



RRB Group D 2024

Level-1 · CEN 08/2024 · Question Paper Compilation

English

All 101 Shifts (Sets) · Official Answer Key

About this Compilation

This booklet compiles all **101 shift papers** of the **RRB Group D (Level-1) 2024** examination (CEN 08/2024) in **English**, with the correct option marked as per the official answer key.

✓ Correct option (highlighted green)

How to use

- Use the **Index** page to jump directly to any set (clickable).
- Questions are grouped by subtopic within each section, so similar questions sit together.
- Diagram and wide-table questions appear at the end of their section at full width.
- The correct answer is highlighted in green with a tick.

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Index — All Sets (click to open)

Set 1 27 Nov 2025 9:00 AM - 10:30 AM	Set 19 05 Dec 2025 9:00 AM - 10:30 AM
Set 2 27 Nov 2025 12:45 PM - 2:15 PM	Set 20 05 Dec 2025 12:45 PM - 2:15 PM
Set 3 27 Nov 2025 4:30 PM - 6:00 PM	Set 21 05 Dec 2025 4:30 PM - 6:00 PM
Set 4 28 Nov 2025 9:00 AM - 10:30 AM	Set 22 08 Dec 2025 9:00 AM - 10:30 AM
Set 5 28 Nov 2025 12:45 PM - 2:15 PM	Set 23 08 Dec 2025 12:45 PM - 2:15 PM
Set 6 28 Nov 2025 4:30 PM - 6:00 PM	Set 24 08 Dec 2025 4:30 PM - 6:00 PM
Set 7 01 Dec 2025 9:00 AM - 10:30 AM	Set 25 09 Dec 2025 9:00 AM - 10:30 AM
Set 8 01 Dec 2025 12:45 PM - 2:15 PM	Set 26 09 Dec 2025 12:45 PM - 2:15 PM
Set 9 01 Dec 2025 4:30 PM - 6:00 PM	Set 27 09 Dec 2025 4:30 PM - 6:00 PM
Set 10 02 Dec 2025 9:00 AM - 10:30 AM	Set 28 10 Dec 2025 9:00 AM - 10:30 AM
Set 11 02 Dec 2025 12:45 PM - 2:15 PM	Set 29 10 Dec 2025 12:45 PM - 2:15 PM
Set 12 02 Dec 2025 4:30 PM - 6:00 PM	Set 30 10 Dec 2025 4:30 PM - 6:00 PM
Set 13 03 Dec 2025 9:00 AM - 10:30 AM	Set 31 11 Dec 2025 9:00 AM - 10:30 AM
Set 14 03 Dec 2025 12:45 PM - 2:15 PM	Set 32 11 Dec 2025 12:45 PM - 2:15 PM
Set 15 03 Dec 2025 4:30 PM - 6:00 PM	Set 33 11 Dec 2025 4:30 PM - 6:00 PM
Set 16 04 Dec 2025 9:00 AM - 10:30 AM	Set 34 12 Dec 2025 9:00 AM - 10:30 AM
Set 17 04 Dec 2025 12:45 PM - 2:15 PM	Set 35 12 Dec 2025 12:45 PM - 2:15 PM
Set 18 04 Dec 2025 4:30 PM - 6:00 PM	Set 36 12 Dec 2025 4:30 PM - 6:00 PM

Set 37	14 Dec 2025 9:00 AM - 10:30 AM	Set 56	22 Dec 2025 12:45 PM - 2:15 PM
Set 38	14 Dec 2025 12:45 PM - 2:15 PM	Set 57	22 Dec 2025 4:30 PM - 6:00 PM
Set 39	14 Dec 2025 4:30 PM - 6:00 PM	Set 58	23 Dec 2025 9:00 AM - 10:30 AM
Set 40	15 Dec 2025 9:00 AM - 10:30 AM	Set 59	23 Dec 2025 12:45 PM - 2:15 PM
Set 41	15 Dec 2025 12:45 PM - 2:15 PM	Set 60	23 Dec 2025 4:30 PM - 6:00 PM
Set 42	15 Dec 2025 4:30 PM - 6:00 PM	Set 61	24 Dec 2025 9:00 AM - 10:30 AM
Set 43	16 Dec 2025 9:00 AM - 10:30 AM	Set 62	24 Dec 2025 12:45 PM - 2:15 PM
Set 44	16 Dec 2025 12:45 PM - 2:15 PM	Set 63	24 Dec 2025 4:30 PM - 6:00 PM
Set 45	16 Dec 2025 4:30 PM - 6:00 PM	Set 64	26 Dec 2025 9:00 AM - 10:30 AM
Set 46	17 Dec 2025 9:00 AM - 10:30 AM	Set 65	26 Dec 2025 12:45 PM - 2:15 PM
Set 47	17 Dec 2025 12:45 PM - 2:15 PM	Set 66	26 Dec 2025 4:30 PM - 6:00 PM
Set 48	17 Dec 2025 4:30 PM - 6:00 PM	Set 67	27 Dec 2025 9:00 AM - 10:30 AM
Set 49	19 Dec 2025 9:00 AM - 10:30 AM	Set 68	27 Dec 2025 12:45 PM - 2:15 PM
Set 50	19 Dec 2025 12:45 PM - 2:15 PM	Set 69	27 Dec 2025 4:30 PM - 6:00 PM
Set 51	19 Dec 2025 4:30 PM - 6:00 PM	Set 70	29 Dec 2025 9:00 AM - 10:30 AM
Set 52	21 Dec 2025 9:00 AM - 10:30 AM	Set 71	29 Dec 2025 12:45 PM - 2:15 PM
Set 53	21 Dec 2025 12:45 PM - 2:15 PM	Set 72	29 Dec 2025 4:30 PM - 6:00 PM
Set 54	21 Dec 2025 4:30 PM - 6:00 PM	Set 73	30 Dec 2025 9:00 AM - 10:30 AM
Set 55	22 Dec 2025 9:00 AM - 10:30 AM	Set 74	30 Dec 2025 12:45 PM - 2:15 PM

Set 75	30 Dec 2025 4:30 PM - 6:00 PM	Set 89	04 Feb 2026 12:45 PM - 2:15 PM
Set 76	08 Jan 2026 9:00 AM - 10:30 AM	Set 90	04 Feb 2026 4:30 PM - 6:00 PM
Set 77	08 Jan 2026 12:45 PM - 2:15 PM	Set 91	05 Feb 2026 9:00 AM - 10:30 AM
Set 78	08 Jan 2026 4:30 PM - 6:00 PM	Set 92	05 Feb 2026 12:45 PM - 2:15 PM
Set 79	09 Jan 2026 9:00 AM - 10:30 AM	Set 93	05 Feb 2026 4:30 PM - 6:00 PM
Set 80	09 Jan 2026 12:45 PM - 2:15 PM	Set 94	06 Feb 2026 9:00 AM - 10:30 AM
Set 81	09 Jan 2026 4:30 PM - 6:00 PM	Set 95	06 Feb 2026 12:45 PM - 2:15 PM
Set 82	02 Feb 2026 9:00 AM - 10:30 AM	Set 96	09 Feb 2026 9:00 AM - 10:30 AM
Set 83	02 Feb 2026 12:45 PM - 2:15 PM	Set 97	09 Feb 2026 12:45 PM - 2:15 PM
Set 84	02 Feb 2026 4:30 PM - 6:00 PM	Set 98	09 Feb 2026 4:30 PM - 6:00 PM
Set 85	03 Feb 2026 9:00 AM - 10:30 AM	Set 99	10 Feb 2026 9:00 AM - 10:30 AM
Set 86	03 Feb 2026 12:45 PM - 2:15 PM	Set 100	10 Feb 2026 12:45 PM - 2:15 PM
Set 87	03 Feb 2026 4:30 PM - 6:00 PM	Set 101	10 Feb 2026 4:30 PM - 6:00 PM
Set 88	04 Feb 2026 9:00 AM - 10:30 AM		

General Science

25 Questions • Answer Key

Q1 General Science

What is the main role of micelles in the cleansing action of soap?

- A. To increase the surface tension of water
- B. To reduce the hardness of water
- C. To produce lather with water
- D. To trap and remove oil and dirt from clothes ✓

Q2 General Science

Which of the following plant tissue performs photosynthesis?

- A. Chlorenchyma ✓
- B. Xylem
- C. Phloem
- D. Sclerenchyma

Q3 General Science

When water and nutrients are available, algae grow and multiply rapidly by the process of _____.

- A. budding
- B. pollination
- C. fragmentation ✓
- D. spore formation

Q4 General Science

Asthma primarily affects which part of the respiratory system?

- A. Diaphragm
- B. Bronchi and bronchioles ✓
- C. Alveoli
- D. Trachea

Q5 General Science

The functional group which does NOT contain oxygen hetero atom is:

- A. ketone
- B. alcohol
- C. halo alkane ✓
- D. carboxylic acid

Q6 General Science

What happens when a zinc rod is placed in aqueous copper sulphate solution?

- A. No chemical change observed.
- B. The temperature of the solution falls.
- C. The blue colour of the copper sulphate solution fades. ✓
- D. Heat is required to start the reaction.

Q7 General Science

Which of the following is NOT used for expressing the concentration of a solution?

- A. Mass by mass percentage of a solution
- B. Volume by Volume percentage of a solution
- C. Volume by Mass percentage of a solution ✓
- D. Mass by volume percentage of a solution

Q8 General Science

Which of the following describes an example of uniform circular motion?

- A. A train moving on its track
- B. A ball thrown vertically upwards
- C. A car accelerating on its way
- D. A fan blade rotating at constant speed ✓

Q9 General Science

Which of the following options best describes the term Culture Fishery?

- A. Farming of the fishes ✓
- B. Catching fishes from marine water
- C. Capturing fishes from artificial resources
- D. Capturing fishes from natural resources

Q10 General Science

Through which method of cell division are the diploid chromosomes divided into haploid gametes?

- A. Binary Fission
- B. Meiosis ✓
- C. Amitosis
- D. Mitosis



Q11 General Science

The motion of a satellite orbiting the Earth in a circular path at constant speed is a classic example of uniform circular motion. What property of this motion prevents its acceleration from being zero?

- A. The total mechanical energy is conserved, necessitating acceleration.
- B. The object's mass continually changes due to orbital dynamics.
- C. The speed is too high for the gravitational force to sustain a constant velocity.
- D. The direction of motion changes continuously at every point, meaning the velocity is changing. ✓

Q12 General Science

Which of the following life processes is important to bring variation in species?

- A. Transportation
- B. Sexual reproduction ✓
- C. Autotrophic nutrition
- D. Heterotrophic nutrition

Q13 General Science

A body is dropped from a height. If it falls for 3.0 s and $g = 10 \text{ m/s}^2$, its final velocity (v) is _____.

- A. 40 m/s
- B. 30 m/s ✓
- C. 20 m/s
- D. 10 m/s

Q14 General Science

The power of a lens is defined as:

- A. The product of its focal length and refractive index
- B. The ratio of image distance to object distance
- C. The square of its focal length
- D. The reciprocal of its focal length in meters ✓

Q15 General Science

What happens when a naphthalene ball is burnt in a metal plate in open space?

- A. It burns with a blue flame with black soot deposited on the metal plate.
- B. It burns with a blue flame.
- C. It burns with yellow flame with no deposit on the metal plate.
- D. It burns with a yellow flame with black soot deposited on the metal plate. ✓

Q16 General Science

Which of the following metals is extracted in the middle of the activity series?

- A. Sodium
- B. Potassium
- C. Gold
- D. Iron ✓

Q17 General Science

When a thick glass slab is placed over printed matter, the letters appear raised. This is due to _____.

- A. Refraction of light ✓
- B. Polarization of light
- C. Total internal reflection
- D. Scattering of light

Q18 General Science

Statement 1: The potential difference is measured in volts.
Statement 2: One volt is equal to one newton per coulomb.
Which of the following is true?

- A. Only Statement 2 is correct.
- B. Only Statement 1 is correct. ✓
- C. Both Statements 1 and 2 are incorrect.
- D. Both Statements 1 and 2 are correct.

Q19 General Science

Which of the following statements is correct?

- A. Work done can be positive or negative depending on the direction of force. ✓
- B. Work done does not depend on force or displacement.
- C. Work done can only be negative.
- D. Work done can only be positive.



Q20 General Science

Which of the following statements best explains the Law of Constant Proportions?

- A. Mass can neither be created nor destroyed in a chemical reaction.
- B. Atoms can be divided into smaller particles during a reaction.
- C. A chemical compound always contains the same elements in the same proportion by mass. ✓
- D. Elements are always found in random ratios in a compound.

Q21 General Science

Which poultry are birds farmed to produce eggs?

- A. Common carp
- B. Layers ✓
- C. Milch
- D. Broilers

Q22 General Science

The frequency of a sound wave is 50 Hz. How much time will it take to complete one wave?

- A. 50 s
- B. 5 s
- C. 0.02 s ✓
- D. 0.2 s

Q23 General Science

During reproduction, why is it important to create DNA copies?

- A. For inheritance of traits ✓
- B. For respiration
- C. For digestion
- D. For blood circulation

Q24 General Science

The fractional atomic mass of chlorine is due to which of the following?

- A. Presence of ions
- B. Presence of isotopes ✓
- C. Its compound nature
- D. Experimental error

Q25 General Science

A coil has a resistance of 44 Ω . If it is connected across a 220 V supply, what is the power consumed by the coil?

- A. 110 W
- B. 0.2 W
- C. 5 W
- D. 1100 W ✓

Mathematics

25 Questions • Answer Key

Q26 Mathematics

The average age of 26 students of a class is 26 years. If the age of the teacher is also included, the average age of the whole group becomes 27 years. The age (in years) of the teacher is:

- A. 57
- B. 50
- C. 53 ✓
- D. 54

Q27 Mathematics

A and B working together can do a piece of work in 6 days. B alone can do the same work in 12 days. How long (in days) will A alone take to do double the work?

- A. 12
- B. 24 ✓
- C. 25
- D. 27

Q28 Mathematics

A fruit vendor bought 150 mangoes. He sold them at such a price that the selling price of 120 mangoes equals the cost price of 150 mangoes. Find his profit percentage.

- A. 20%
- B. 25% ✓
- C. 35%
- D. 30%



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Q29 Mathematics

A metal rod is divided into three parts, A, B and C. The lengths of A and B are in the ratio 9 : 20, and the lengths of C and B are in the ratio 5 : 11. If the difference between the lengths of A and C is 10 cm, find the total length (in cm) of the metal rod.

- A. 4199
- B. 4180
- C. 4202
- D. 4190

**Q30 Mathematics**

A scheme like 'Buy 6, Get 4 Free' on the same kind of articles with the same MRP attracts a ____ % discount.

- A. 41
- B. 67.67
- C. 66.67
- D. 40

**Q31 Mathematics**

The amount on a sum of ₹6,800 at 15% per annum compound interest, compounded annually, in 2 years' time, will be:

- A. ₹7,996
- B. ₹8,993
- C. ₹9,393
- D. ₹8,641

**Q32 Mathematics**

P is any point inside the rectangle ABCD. If PA = 98 cm, PB = 91 cm and PC = 21 cm, then the length of PD (in cm) is equal to:

- A. 46
- B. 38
- C. 42
- D. 41

**Q33 Mathematics**

If $p = 6$, $q = -3$, then the value of $p^3 - 3p^2 + 3p + 3q + 3q^2 + q^3$ is:

- A. 117
- B. -61
- C. -117
- D. 61

**Q34 Mathematics**

Two-fifth of a container is filled with blue liquid, one-third of the remaining container is filled with black liquid, five-sixth of the still remaining container is filled with yellow liquid and the remaining 4.2 litres is of white colour. Find the total capacity of the container.

- A. 60 litres
- B. 72 litres
- C. 63 litres
- D. 78 litres

**Q35 Mathematics**

The cost of a washing machine is 40% less than the cost of a TV. If the cost of the washing machine increases by 52% and that of the TV decreases by 76%, then what is the percentage change in the total cost of 5 washing machines and 2 TVs?

- A. Decrease by 2%
- B. Increase by 0.8%
- C. Increase by 5%
- D. Decrease by 3%

**Q36 Mathematics**

Smriti goes to a shopping mall at a speed of 21 km/hr and returns at a speed of 69 km/hr. Find her average speed (in km/hr) for the entire trip.

- A. 23.4
- B. 32.2
- C. 40.2
- D. 30.3

**Q37 Mathematics**

The total surface area of a solid right circular cylinder is 542 cm^2 . Its curved surface area is two-fifth of its total surface area. Find the curved surface area of the cylinder.

- A. 513.2 cm^2
- B. 315.4 cm^2
- C. 216.8 cm^2
- D. 212.5 cm^2



Q38 Mathematics

Two numbers have an HCF of 18 and an LCM of 1512. If one of the numbers is 126, find the positive difference between these number.

A. 126

B. 90

C. 256

D. 216

Q39 Mathematics

In statistics out of 100, the marks of 21 students in final exams are as 90, 95, 95, 94, 90, 85, 84, 83, 85, 81, 92, 93, 82, 78, 79, 81, 80, 82, 85, 76, 85, then the mode of data is:

A. 84

B. 85

C. 83

D. 87

Q40 Mathematics

A 325 m long train overtakes a man moving at a speed of 5 km/hr (in the same direction) in 45 seconds. How much time (in seconds) will it take this train to completely cross another 440 m long train, moving in the opposite direction at a speed of 20 km/hr?

A. 52

B. 40

C. 51

D. 54

Q41 Mathematics

If 20% of a number is added to 90, then the result is the same number. 80% of the same number is:

A. 120

B. 90

C. 100

D. 110

Q46 Mathematics

$\frac{1}{20}$ is what percentage of $\frac{10}{40}$?

A. 40%

B. 20%

C. 35%

D. 30%

Q42 Mathematics

The vertices of a convex pentagon (in order) are P(0,0), Q(6,0), R(8,3), S(4,7), T(0,4). Find the area of the pentagon.

A. 39 sq. units

B. 45 sq. units

C. 36 sq. units

D. 42 sq. units

Q43 Mathematics

Which of the following ratios is equivalent to 3 : 2?

A. 51 : 37

B. 53 : 38

C. 52 : 34

D. 54 : 36

Q44 Mathematics

An article was bought for ₹8,900. Its price was marked up by 40%. Thereafter, it was sold at a discount of 5% on the marked price. What was the profit percentage on the transaction?

A. 32%

B. 35%

C. 33%

D. 34%

Q45 Mathematics

Soniya got married 15 years ago. Her present age is $\frac{8}{5}$ times her age at the time of her marriage. Her sister was 8 years younger to her at the time of her marriage. Find the present age of her sister.

A. 40 years

B. 28 years

C. 24 years

D. 32 years



Q47 Mathematics

Three pipes, A, B and C, can fill a tank from empty to full in 40 minutes, 20 minutes and 30 minutes, respectively. When the tank is empty, all the three pipes are opened. A, B and C discharge chemical solutions P, Q and R, respectively. What is the proportion of solution Q in the liquid in the tank after 9 minutes?

A. $\frac{7}{13}$

B. $\frac{3}{13}$

C. $\frac{3}{4}$

D. $\frac{6}{13}$ ✓

Q48 Mathematics

If $\tan\theta = \frac{12}{5}$, what is the value of $\sec\theta$?

A. $\frac{12}{5}$

B. $\frac{13}{5}$ ✓

C. $\frac{5}{13}$

D. $\frac{13}{12}$

Q49 Mathematics

Simplify $\frac{[3\frac{1}{4} \div \{1\frac{1}{4} - 0.5(2\frac{1}{2} - \frac{1}{12})\}]}{5 \times \frac{1}{15}}$.

A. 334

B. 134

C. 234 ✓

D. 434

Q50 Mathematics

If $\Delta \times 2.2 + 0.33 \times \frac{3}{4} - \frac{1}{20} \times 0.55 = 0.99$, then the value of Δ is:

A. 0

B. 0.25

C. 1

D. 0.35 ✓



Q51 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

HBE22 ICF29 JDG36 KEH43 ?

A. LFJ50

B. LFJ51

C. LFI50



D. LFI51

Q52 General Intelligence & Reasoning

Alex starts from Point A and drives 8 km towards the east. He then takes a left turn, drives 6 km, turns left and drives 17 km. He then takes a left turn and drives 13 km. He takes a final left turn, drives 9 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only, unless specified.)

A. 7 km to the north



B. 8 km to the north

C. 7 km to the south

D. 8 km to the south

Q53 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series, based on the English alphabetical order?

RJV QIU PHT OGS ?

A. PHT

B. NFR



C. PFR

D. NHT

Q54 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

991 989 985 979 971 ?

A. 961



B. 967

C. 963

D. 969

Q55 General Intelligence & Reasoning

O, P, Q, R, W, X and Y are sitting in a straight line, facing north.

Only two people sit to the left of P. Only three people sit between P and W. Only one person sits between W and X. R sits to the immediate left of O. Y is not an immediate neighbour of W.

How many people sit to the right of Q?

A. Three

B. Four

C. One



D. Two

Q56 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows. (All numbers are single-digit numbers only.) (Counting to be done from left to right only.)

(Left) 2 8 2 3 2 7 9 3 5 4 6 8 9 4 4 7 8 7 5 4 3 5 5 6 2 9 8
(Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

A. 4

B. 6

C. 5

D. 3

**Q57** General Intelligence & Reasoning

Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north. Only five people sit to the right of A. Only five people sit to the left of B. F is the immediate neighbour of G and E. C sits second to the left of E.

How many people sit to the left of G?

A. Three

B. One

C. Two

D. Four



Q58 General Intelligence & Reasoning

Seven people B, C, D, I, J, K and L are sitting in a straight line facing north. Only two people sit to the right of C. Only two people sit between C and B. Only two people sit between D and K. Only three people sit between C and D. J sits to the immediate right of I. How many people sit(s) to the right of L?

A. Four



B. One

C. Two

D. Three

Q59 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

616 610 612 606 608 ?

A. 604

B. 602



C. 603

D. 601

Q60 General Intelligence & Reasoning

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statement(s) is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

Some pizzas are cupcakes.

All buns are cupcakes.

Conclusions:

(I) Some pizzas are buns.

(II) All cupcakes are buns.

A. Only conclusion (I) follows.

B. Neither conclusion (I) nor (II) follows.



C. Only conclusion (II) follows.

D. Both conclusions (I) and (II) follow.

Q61 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting / multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(14 , 42, 3)

(12, 60, 5)

A. (13 , 39 , 3)



B. (15, 45, 4)

C. (16, 42, 2)

D. (11, 55, 6)

Q62 General Intelligence & Reasoning

In a certain code language, 'house sip head' is coded as 'bm ma px' and 'head wood robot' is coded as 'pz bm ey'. How is 'head' coded in the given language?

A. bm



B. px

C. pz

D. ma

Q63 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

61 85 109 133 157 ?

A. 179

B. 183

C. 181



D. 185



Q64 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 6 5 8 8 5 4 7 7 4 2 7 9 2 2 5 7 4 8 8 2 1 8 9 (Right)

How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an odd digit?

A. None



B. Three

C. One

D. Two

Q65 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. NMK

B. UTR

C. ZZW



D. IHF

Q66 General Intelligence & Reasoning

Refer to the given number, symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 8 \$ 3 Ω 9 % 4 6 7 1 * £ 5 # 2 + @ & (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by another symbol?

A. 1

B. 4

C. 2



D. 3

Q67 General Intelligence & Reasoning

If 'A' stands for '÷', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will be come in place of question mark '?' in the following equation?

15 A 3 B 10 C 8 D 12 = ?

A. 44

B. 46



C. 45

D. 47

Q68 General Intelligence & Reasoning

Madhur ranked 58th from the top and 6th from the bottom in his class. How many students are there in his class?

A. 64

B. 61

C. 62

D. 63

**Q69 General Intelligence & Reasoning**

Ajay starts from Point A and drives 16 km towards the west. He then takes a right turn, drives 8 km, then turns left and drives 7 km. He then takes a left turn and drives 8 km. He takes a final right turn, drives 2 km, and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degrees turns only, unless specified.)

A. 16 km towards east

B. 11 km towards west

C. 7 km towards north

D. 25 km towards east

**Q70 General Intelligence & Reasoning**

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. LPJ

B. NRL

C. OSN



D. GKE



Q71 General Intelligence & Reasoning

Radhika ranked 21st from the top and 7th from the bottom in her class. How many students are there in the class?

- A. 19
- B. 28
- C. 20
- D. 27

**Q72 General Intelligence & Reasoning**

In a certain code language,
A + B means 'A is the sister of B',
A @ B means 'A is the brother of B',
A - B means 'A is the wife of B',
and A # B means 'A is the father of B'.

How is O related to V if 'O + P # T @ G - V'?

- A. Wife's mother
- B. Wife's father's sister
- C. Wife's sister
- D. Wife's father's mother

**Q73 General Intelligence & Reasoning**

In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

URIC - CRUI - RIUC
KIDS - SIKD - IDKS

- A. MALE - AMLE - EALM
- B. OPEN - OEPN - NEPO
- C. FADE - EAFD - ADFE
- D. NAVY - YANV - VANY

**Q74 General Intelligence & Reasoning**

Refer to the following number series and answer the question that follows. All numbers are single-digit numbers only. Counting to be done from left to right only.

(Left) 4 6 5 8 2 2 1 8 2 9 8 4 7 4 8 2 4 3 1 4 1 2 7 2 6 (Right)

How many such numbers are there, each of which is immediately preceded by a perfect square and also immediately followed by a perfect square?
(Note: 1 is also a perfect square.)

- A. Two
- B. Four
- C. Three
- D. One

**Q75 General Intelligence & Reasoning**

If + means -, - means ×, × means ÷ and ÷ means +, then what will come in place of the question mark (?) in the following equation?

$$173 - 3 \div 282 + 164 \times 4 = ?$$

- A. 761
- B. 769
- C. 766
- D. 760

**Q76 General Intelligence & Reasoning**

In a certain code language, 'OVAL' is coded as '5294' and 'LOVE' is coded as '8549'. What is the code for 'E' in the given code language?

- A. 9
- B. 5
- C. 8
- D. 4

**Q77 General Intelligence & Reasoning**

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statement(s) is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

Some hats are caps.
No cap is a vest.

Conclusions:

(I) Some hats are vests.
(II) Some caps are hats.

- A. Only conclusion (I) follows.
- B. Only conclusion (II) follows.
- C. Neither conclusion (I) nor (II) follows.
- D. Both conclusions (I) and (II) follow.

**Q78 General Intelligence & Reasoning**

UI 12 is related to YK -2 in a certain way. In the same way, OL 9 is related to SN -5. To which of the following is PQ 15 related, following the same logic?

- A. ST 3
- B. TT 3
- C. SS 1
- D. TS 1



Q79 General Intelligence & Reasoning

If + means $\times$, $\times$ means $\div$ and $\div$ means +, then what will come in place of the question mark (?) in the following equation?

$$84 - 6 \div 371 + 648 \times 8 = ?$$

A. 795

B. 794



C. 797

D. 799

Q80 General Intelligence & Reasoning

RR 4 is related to UQ -14 in a certain way. In the same way, II 8 is related to LH -10. To which of the given options is MO 12 related, following the same logic?

A. GT -2

B. HY -5

C. NH 9

D. PN -6

**General Awareness**

20 Questions • Answer Key

Q81 General Awareness

Which of the following new digital facilities was launched in May 2025 by the Union Ministry of Social Justice and Empowerment during the 'Ageing with Dignity' event?

A. Digital Life Certificate Platform

B. One-Stop Senior Citizens Services Portal

C. Senior Citizens Welfare Portal



D. Employment Exchange Portal for Senior Citizens

Q82 General Awareness

In 2025, which city in Maharashtra has achieved 100% segregation, collection and processing of sanitary and biomedical waste, handling an average of 300 to 350 kg of sanitary waste daily?

A. Pune

B. Karad



C. Nasik

D. Nagpur

Q83 General Awareness

Which sport had the most Arjuna Award recipients in January 2025?

A. Shooting

B. Para-Athletics



C. Athletics

D. Hockey

Q84 General Awareness

Which of the following awards recognises children's book writers from 22 languages?

A. Sahitya Akademi Yuva Puraskar



B. Sahitya Ratna

C. Bal Sahitya Puraskar

D. Padma Shri

Q85 General Awareness

On 16 May 2025, the Supreme Court invalidated the Indian Government's orders passed in which years, allowing ex-post facto environmental clearances?

A. 2009 and 2015

B. 2006 and 2011

C. 2017 and 2021



D. 2012 and 2014

Q86 General Awareness

Who authored the book 'Test Cricket: A History', released in 2025?

A. Michael Atherton

B. Tim Wigmore



C. Gideon Haigh

D. Ramachandra Guha



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Q87 General Awareness

Which Indian Ministry launched the Bharat Forecasting System (BFS) on 26 May 2025 to provide weather predictions with a 6-km resolution?

- A. Ministry of Defence
- B. Ministry of Agriculture and Farmers Welfare
- C. Ministry of Earth Sciences ✓
- D. Ministry of Environment, Forest and Climate Change

Q88 General Awareness

Which chess player, besides Gukesh, received the Arjuna Award in 2025?

- A. Koneru Humpy
- B. Pentala Harikrishna
- C. Vantika Agrawal ✓
- D. Harika Dronavalli

Q89 General Awareness

India set a new Guinness World Record in 2025 for the largest human formation of which of the following symbols?

- A. Ashoka Chakra ✓
- B. Heart shape
- C. Olympic rings
- D. Peace symbol

Q90 General Awareness

Which startup was selected in April 2025 to build India's first sovereign Indic LLM under the IndiaAI Mission?

- A. People+AI
- B. Wadhvani AI
- C. AI4 Bharat
- D. Sarvam AI ✓

Q91 General Awareness

India won the ICC Women's U19 T20 World Cup 2025 by defeating which country in the final?

- A. England
- B. Sri Lanka
- C. South Africa ✓
- D. Australia

Q92 General Awareness

What was the theme of the 78th World Health Assembly, 2025, held in Geneva in May 2025?

- A. Health for All: Building Resilient Systems
- B. One World for Health ✓
- C. Universal Health Coverage: A Global Need
- D. Advancing Equity in Global Health

Q93 General Awareness

Which state became the third Indian state to be recognised as fully functionally literate, under the ULLAS – New India Literacy Programme, in June 2025?

- A. Tripura ✓
- B. Karnataka
- C. Assam
- D. Telangana

Q94 General Awareness

The National Conference on Good Governance, organised by the Department of Administrative Reforms and Public Grievances (DARPG) was held in which of the following places in January 2025?

- A. Bhopal
- B. Gandhinagar ✓
- C. Jaipur
- D. Varanasi

Q95 General Awareness

Where did the chemical factory blast occur on 30 June 2025?

- A. Warangal
- B. Vijayawada
- C. Sangareddy ✓
- D. Nizamabad

Q96 General Awareness

Which of the following documentaries did the Reserve Bank of India (RBI) launch to explain its functions to the public in June 2025?

- A. My RBI Story
- B. Financial Literacy A2Z
- C. RBI: Money Simplified
- D. RBI Unlocked: Beyond the Rupee ✓



Q97 General Awareness

Which of the following shifted its Andhra Pradesh regional office to Vijayawada, inaugurating the new premises on 16 June 2025?

- A. Life Insurance Corporation of India
- B. Bank of Baroda
- C. Securities and Exchange Board of India
- D. Reserve Bank of India

**Q98 General Awareness**

As announced by the Government of India, as on 7 July 2025, how many biotech startups does India have, compared to just 50 a decade ago?

- A. Nearly 11,000
- B. Nearly 9000
- C. 8050
- D. 7000

**Q99 General Awareness**

As reported in May 2025, the study by Climate Trends, a Delhi-based research consultancy, examined NASA satellite data of the Himalayan glaciers from 2000-2023 to evaluate the impact of which of the following on Himalayan snow?

- A. Ozone
- B. Black Carbon
- C. Sulfate Aerosols
- D. Mineral Dust Particles

**Q100 General Awareness**

On 24 May 2025, the order of which High Court was overturned by the Supreme Court and ruled that denying maternity leave for a third child violates a woman's constitutional right, reinforcing her dignity and reproductive freedom?

- A. Hyderabad High Court
- B. Allahabad High Court
- C. Madras High Court
- D. Bombay High Court



General Science

25 Questions • Answer Key

Q1 General Science

Which structure is used by pea plant to climb up other plants?

- A. Sucker
- B. Runner
- C. Shoot
- D. Tendrils



Q2 General Science

A convex lens is also called a converging lens because:

- A. it does not bend light rays at all
- B. it brings parallel rays to a focus at a point
- C. it always forms virtual images
- D. it diverges rays of light away from each other



Q3 General Science

The splitting of a unicellular organism into two equal daughter cells containing identical genetic material is termed as which of the following?

- A. Binary fission
- B. Budding
- C. Spore formation
- D. Conjugation



Q4 General Science

What is the location of the cell wall in an organism?

- A. Just inside the plasma membrane in a plant cell
- B. Just outside the plasma membrane in a plant cell
- C. Just inside the plasma membrane in an animal cell
- D. Just outside the plasma membrane in an animal cell



Q5 General Science

An object is dropped from a height of 78.4 m. What is the time taken to reach the ground? (Use $g = 9.8 \text{ m/s}^2$)

- A. 2 s
- B. 5 s
- C. 4 s
- D. 6 s



Q6 General Science

Which one of the following correctly represents Mendel's conclusion about inheritance?

- A. Each trait is controlled by two factors.
- B. Each traits is controlled by one factor.
- C. Each trait is controlled by one chromosome.
- D. Each trait is controlled by three genes.



Q7 General Science

An uprooted plant was left in the sun. After a few hours, the plant looked wilted and weak. What could be the most likely reason?

- A. Food translocation through phloem began
- B. Water conduction through xylem was started
- C. Food translocation through xylem was blocked
- D. Water conduction through xylem was blocked



Q8 General Science

Which of the following methods is part of the fresh initiatives in irrigation to improve water availability for crops?

- A. Manuring and chemical spraying
- B. Drip irrigation and crop rotation
- C. Sprinkler irrigation and ploughing
- D. Rainwater harvesting and watershed management



Q9 General Science

Which of the following is a result of increasing the pressure on a gas?

- A. Increase in kinetic energy
- B. Increase in inter-particle space
- C. Evaporation of the gas
- D. Decrease in inter-particle space



Q10 General Science

Select the correct feature about sexual reproduction in organisms.

- A. It produces offspring exactly similar to the parent(s).
- B. It passes the DNA of only one parent to the offspring.
- C. It combines the DNA of two parents in the offspring. ✓
- D. It produces a large number of offspring.

Q11 General Science

In the connective tissues of animals, the fat cells are arranged into lobules, which are separated by partitions of:

- A. collagen and elastin fibres ✓
- B. reticular fibres and plasma
- C. skeletal fibres and tendons
- D. yellow fibres and lymph

Q12 General Science

If the length of a wire is doubled and its cross-sectional area is halved, its resistance will become:

- A. Twice the original
- B. Half the original
- C. Four times the original ✓
- D. One-fourth the original

Q13 General Science

Which of the following correctly matches a measurable property of matter with its SI unit?

- A. Density – Kilogram per cubic metre ✓
- B. Volume – Cubic centimetre
- C. Temperature – Calorie
- D. Pressure – Newton

Q14 General Science

A heavy wooden block is pushed across a rough floor. The applied force is gradually increased:

1. At first, the block does not move.
2. Then, at a certain force, the block just begins to slide.
3. Finally, when the block is sliding, it moves with constant velocity.

Which of the following correctly describes the force situation in these three stages?

- A. Stage 1 – Balanced, Stage 2 – Unbalanced, Stage 3 – Balanced ✓
- B. Stage 1 – Unbalanced, Stage 2 – Unbalanced, Stage 3 – Balanced
- C. Stage 1 – Balanced, Stage 2 – Balanced, Stage 3 – Unbalanced
- D. Stage 1 – Unbalanced, Stage 2 – Balanced, Stage 3 – Balanced

Q15 General Science

Which of the following is the best example of conversion of chemical energy into heat energy?

- A. A battery lighting a bulb
- B. Burning of wood ✓
- C. A motor running on electricity
- D. Solar cooker heating food

Q16 General Science

Which of the following is NOT an application of ultrasound?

- A. Cleaning the objects
- B. Regular hearing tests ✓
- C. Medical imaging
- D. Detecting cracks in metal blocks

Q17 General Science

Corrosion of metals is a process in which:

- A. metals gain weight due to reaction with acids
- B. metals change their colour permanently
- C. metals are converted to their oxide, sulphide or carbonate by reaction with environmental agents ✓
- D. metals melt at low temperature



Q18 General Science

Concentrated sulphuric acid can be regarded as a dehydrating agent because it removes water from which of the following?

A. Glucose



B. Sodium hydroxide

C. Ammonia gas

D. Propane

Q19 General Science

The processes used for removing the gangue from the ore are based on the differences between which properties of the gangue and the ore?

A. Refractive index

B. Only physical

C. Chemical or physical



D. Only chemical

Q20 General Science

The characteristic feature(s) of carbon, that lead to the formation of its large number of organic compounds is:

A. both tetravalency and catenation



B. only tetravalency

C. only catenation

D. solubility

Q21 General Science

The increase in which of the following factor(s) will increase the resistance of a conductor?

(i) Temperature of the conductor

(ii) Length of the conductor

(iii) Area of cross-section of the conductor

A. Both (i) and (ii)



B. Only (iii)

C. Only (i)

D. Both (ii) and (iii)

Q22 General Science

Why does a cricket player lower his hands while catching a fast-moving ball?

A. To increase the acceleration of the ball

B. To increase the force acting on the ball

C. To reduce the momentum of the ball

D. To increase the time of impact so that the force on the hands is reduced

**Q23 General Science**

According to the New Cartesian Sign Convention, if a light ray travels from the object to the lens, the object is always placed such that:

A. The object distance (u) is always positive

B. The object is placed to the left of the lens



C. The light falls on the lens from the right-hand side

D. The object is always placed above the principal axis

Q24 General Science

What is common between the reaction of metal sodium carbonate and sodium bicarbonate with hydrochloric acid?

A. Carbon monoxide is released

B. Hydrogen gas is released

C. Hydrogen carbonate is formed

D. Sodium chloride is formed

**Q25 General Science**

${}^{40}_{18}\text{Ar}$ and ${}^{40}_{20}\text{Ca}$ are a pair of:

A. isoelectronic

B. isotopes

C. isobars



D. isotones



Q26 Mathematics

Rajiv and Sachin started a business, investing amounts of ₹160 and ₹1,690, respectively. If Rajiv's share in the profit earned by them is ₹720, what is the total profit (in ₹) earned by them together?

A. 8,454

B. 8,361

C. 8,395

D. 8,325 ✓

Q27 Mathematics

Amit and Deeksha together invested ₹15,700 in a business. At the end of the year, out of a total profit of ₹6,000, Amit's share was ₹2,100. How much was Amit's investment?

A. ₹6,330

B. ₹6,960

C. ₹5,495 ✓

D. ₹6,545

Q28 Mathematics

A brother is 6 years older than his sister. The sum of their present ages is 38 years. What will be the age (in years) of the sister after 15 years from now?

A. 30

B. 31 ✓

C. 32

D. 33

Q29 Mathematics

The market value of Amal's investment rises successively by 5% in 2021, 6% in 2022, and 10% in 2023. If the initial value was ₹5,50,000, what will be its value (in ₹) at the end of 2023?

A. 6,75,900

B. 6,75,800

C. 6,75,365

D. 6,73,365 ✓

Q30 Mathematics

A person saves 60% of his income. If his expenditure is ₹400, then his income (in ₹) is:

A. 240

B. 1,000 ✓

C. 160

D. 1,040

Q31 Mathematics

A bag contains 1-rupee and 2-rupee coins. The total number of coins is 10, and their total value is ₹16. What is the difference between the numbers of two-rupee coins and one-rupee coins?

A. 4

B. 1

C. 3

D. 2 ✓

Q32 Mathematics

Two pipes A and B can fill a tank in 18 hours and 24 hours, respectively. If both the pipes are opened simultaneously, after how much time (in hours) should pipe A be closed so that the tank is full in 16 hours?

A. 7

B. 6 ✓

C. 9

D. 8

Q33 Mathematics

If an item marked at ₹3,650 is sold for ₹730, what is the discount percentage?

A. 80% ✓

B. 79%

C. 78%

D. 82%

Q34 Mathematics

The cost of fencing a square field at ₹15/m is ₹18,000. Find the cost of fencing the same field at ₹11 per 100 m.

A. ₹142

B. ₹132 ✓

C. ₹138

D. ₹146



Q35 Mathematics

A shopkeeper marks the price of an article at ₹5,670. Find the cost price if after allowing a discount of 28% he still gains 26% on the cost price.

A. ₹3,153

B. ₹3,240



C. ₹3,216

D. ₹3,225

Q36 Mathematics

A shopkeeper sold an article for ₹85.50 at a profit of 12.5%. Had he sold it for ₹81.70, then what would be his profit or loss percentage?

A. 8.5% profit

B. 7.25% loss

C. 8.5% loss

D. 7.5% profit

**Q37 Mathematics**

Two trains having lengths of 160 m and 140 m are running at speeds of 100 km/hr and 130 km/hr, respectively, in the same direction. The time taken (in minutes) by the faster train, coming from behind, to completely cross the other train is:

A. 10.4

B. 7.2

C. 0.6



D. 3

Q38 Mathematics

A and B working together can do a piece of work in 6 days. B alone can do the same work in 15 days. How long (in days) will A alone take to do double the work?

A. 21

B. 10

C. 23

D. 20

**Q39 Mathematics**

The ratio of the speeds of two trucks is 7 : 4. The time taken by the faster truck to cover a distance of 196 km is 7 hours less than the other. Find the speed of the slower truck.

A. 12 km/hr



B. 4 km/hr

C. 10 km/hr

D. 21 km/hr

Q40 Mathematics

A toy is in the form of a cone mounted on a hemisphere, both having the same radius of 7 cm. If the volume of the conical part is equal to the volume of the hemispherical part, what is the total height of the toy?

A. 28 cm

B. 21 cm



C. 35 cm

D. 14 cm

Q41 Mathematics

The cost of a washing machine is 10% less than the cost of a TV. If the cost of the washing machine increases by 65% and that of the TV decreases by 34%, then what is the percentage change in the total cost of 5 washing machines and 3 TVs?

A. Increase by 25.4%



B. Decrease by 19%

C. Decrease by 18%

D. Increase by 24%

Q42 Mathematics

The HCF of two numbers is 23 and their sum is 161. The possible pair(s) of these numbers is/are:

A. 4

B. 1

C. 2

D. 3



Q43 Mathematics

Find the simple interest (in ₹) on ₹4,000 at 6% per annum rate of interest for the period from 19 February 2024 to 20 April 2024.

A. 40



B. 38

C. 39

D. 41

Q44 Mathematics

The arithmetic mean of the observations 76, 28, 79, 17, 33, 95, 83, 30 and 27 is:

A. 47

B. 52



C. 61

D. 46

Q45 Mathematics

The number of prime numbers lying between 374 and 384 is:

A. 0

B. 1

C. 3

D. 2

**Q46 Mathematics**

Simplify: $\frac{32672 \times 32672 - 21864 \times 21864}{10808}$

A. 54536



B. 54836

C. 54436

D. 54636

Q47 Mathematics

If $\tan A = 1$, then find the value of $\sin A + \cos A$.

A. 1

B. $\sqrt{2}$



C. 2

D. $\sqrt{3}$

Q48 Mathematics

Find the median of the numbers 3, 5, 2, 5, 5, 8, 4, 2, 7, 9, 8 and 11.

A. 5



B. 8

C. 4

D. 3



Q49 Mathematics

The side of an equilateral triangle is equal to the side of a square. What is the ratio of the circumradius of the equilateral triangle to the inradius of the square?

A. $\sqrt{2} : \sqrt{3}$

B. $\sqrt{3} : 2$

C. $3 : \sqrt{2}$

D. $2 : \sqrt{3}$ ✓

Q50 Mathematics

Simplify the following:

$$4 - [3 - 4 \div 2 + \{4 - (5 - 2)\}] + [4 + 18 \div 2 \times 3(4 - 2)]$$

A. 60 ✓

B. 56

C. 54

D. 58

General Intelligence & Reasoning

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

In a certain code language, 'virus book two' is coded as 'zv jo db' and 'book wet theme' is coded as 'xh im jo'. How is 'book' coded in that language?

A. zv

B. db

C. xh

D. jo ✓

Q52 General Intelligence & Reasoning

Kareena starts from Point A and drives 16 km towards the east. She then takes a right turn, drives 7 km, turns right and drives 7 km. She then takes a left turn and drives 8 km. She takes a final right turn, drives 9 km and stops at Point P. How far (shortest distance) and towards which direction should she drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified.)

A. 15 km towards the north ✓

B. 12 km towards the east

C. 15 km towards the south

D. 9 km towards the west

Q53 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 5 4 2 3 7 8 5 1 6 7 9 4 2 6 7 6 3 9 7 5 4 1 6 9 8 3 4
(Right)

How many such odd digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

A. More than three ✓

B. One

C. Three

D. Two



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Q54 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements: All pan are wok. All cauldron are wok.

Conclusions (I): Some pan are cauldron.

Conclusions (II): Some wok are cauldron.

A. Both conclusions (I) and (II) follow.

B. Neither conclusion (I) nor (II) follows.

C. Only conclusion (I) follows.

D. Only conclusion (II) follows. ✓

Q55 General Intelligence & Reasoning

60 people are standing in a row facing north. Mayank is 13th from the right end while Kishan is 18th from the left end. How many people are there between Mayank and Kishan?

A. 28

B. 30

C. 27

D. 29 ✓

Q56 General Intelligence & Reasoning

If 'E' stands for '+', 'F' stands for '-', 'G' stands for '×' and 'H' stands for '÷', what will come in place of question mark '?' in the following equation?

60 F 12 H 3 E 8 G 2 = ?

A. 72 ✓

B. 71

C. 76

D. 75

Q57 General Intelligence & Reasoning

In a certain code language,
A + B means 'A is the sister of B',
A @ B means 'A is the brother of B',
A - B means 'A is the wife of B',
and A # B means 'A is the father of B'.

How is O related to V if 'O @ P + T # G - V'?

A. Wife's brother

B. Wife's father's father

C. Wife's father

D. Wife's father's brother ✓

Q58 General Intelligence & Reasoning

Seven people B, C, D, I, J, K and L are sitting around a circular table facing the centre of the table. I sits fourth to the right of J. Only two people sit between B and C when counted from the left of B. D sits third to the left of K. L is an immediate neighbour of K and C. How many people between I and L when counted from the left of L?

A. Three

B. Two

C. Four ✓

D. One

Q59 General Intelligence & Reasoning

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statement(s) is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

All cars are buildings.

All buildings are papers.

Conclusion:

(I) Some buildings are cars.

(II) All cars are papers.

A. Only conclusion (I) follows.

B. Only conclusion (II) follows.

C. Both conclusions (I) and (II) follow. ✓

D. Neither conclusion (I) nor (II) follows.

Q60 General Intelligence & Reasoning

Dev ranked 10th from the top and 31st from the bottom in his class. How many students are there in the class?

A. 39

B. 50

C. 40 ✓

D. 41

Q61 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

JSF 10 LUH 11 NWJ 12 PYL 13 ?

A. RBO 14

B. QBP 14

C. QAN 14

D. RAN 14 ✓



Q62 General Intelligence & Reasoning

In a certain code language, 'buyer queen heart' is coded as 'os ld xi' and 'drive heart aunt' is coded as 'kx to os'. How is 'heart' coded in the given language?

A. kx

B. os 

C. xi

D. ld

Q63 General Intelligence & Reasoning

EQ 9 is related to HL -4 in a certain way. In the same way, MR 13 is related to PM 0. To which of the following is MU 19 related, following the same logic?

A. RE 2

B. KP 7

C. YT 5

D. PP 6 **Q64 General Intelligence & Reasoning**

Refer to the number series given below and answer the question that follows. Counting to be done from left to right only.

(NOTE: All numbers are single-digit numbers only.)

(Left) 4 2 7 1 5 8 7 2 6 8 3 6 (Right)

How many such prime numbers are there which are immediately followed by even numbers?

A. Two

B. One

C. More than three 

D. Three

Q65 General Intelligence & Reasoning

Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers only.

(Left) 5 \$ 5 7 \$ \$ @ & * € 3 # 8 # \$ 5 © 7 £ 4 & * (Right)

How many such numbers are there, each of which is immediately preceded by a number and also immediately followed by a symbol?

A. Zero

B. One 

C. Three

D. Two

Q66 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. EBZ

B. DBY 

C. ZWU

D. HEC

Q67 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(45, 114, 8)

(24, 108, 20)

A. (8, 37, 7) 

B. (16, 49, 7)

C. (17, 36, 2)

D. (32, 114, 18)

Q68 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). (Counting to be done from left to right only.)

(Left) 9 1 6 7 7 2 8 3 4 3 3 2 7 9 9 9 5 4 6 7 3 6 3 (Right)

How many such even numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

A. Four

B. Two 

C. One

D. Three



Q69 General Intelligence & Reasoning

If + means $\times$, $\times$ means $\div$, $\div$ means $+$, then what will come in place of the question mark (?) in the following equation?

$$77 - 5 \div 49 + 21 \times 7 = ?$$

A. 431



B. 446

C. 435

D. 442

Q70 General Intelligence & Reasoning

Mr. Zzz starts from Point A and drives 5 km towards the East. He then takes a right turn, drives 14 km, turns right and drives 16 km. He then takes a right turn and drives 16 km. He takes a final right turn, drives 11 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified).

A. 2 km to the South



B. 4 km to the North

C. 1 km to the West

D. 3 km to the East

Q71 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

26 42 58 74 90 ?

A. 106



B. 105

C. 107

D. 104

Q72 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

3, 6, 9, 12, 15, ?, 21

A. 16

B. 18



C. 17

D. 20

Q73 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. NS-OK



B. RW-SP

C. PU-QN

D. LQ-MJ

Q74 General Intelligence & Reasoning

A, B, C, R, S, T and U are sitting around a circular table facing the centre of the table. C sits to the immediate right of R. Only three people sit between C and T when counted from the left of C. Only three people sit between R and B when counted from the left of R. S sits to the immediate right of A. How many people sit between R and A when counted from the right of A?

A. Two

B. One



C. Four

D. Three

Q75 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

SIF QGD OEB MCZ ?

A. KAX



B. NDY

C. KAY

D. NDA

Q76 General Intelligence & Reasoning

Each of the digits in the number 13645928 is arranged in descending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

A. One

B. None

C. Two



D. Three



Q77 General Intelligence & Reasoning

In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

ECHO - CHEO - OHCE

URGE - RGUE - EGRU

A. PAST - PSAT - TSAP

B. NAVY - ANVY - YAVN

C. WAIT - AIWT - TIAW



D. JOYS - OYJS - OYSJ

Q78 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

2, 8, 18, 32, 50, ?

A. 75

B. 60

C. 72



D. 80

Q79 General Intelligence & Reasoning

BFKP is related to XAGK in a certain way based on the English alphabetical order. In the same way, LLUV is related to HGQQ. To which of the given options is ZWIG related, following the same logic?

A. VBER

B. VREB



C. VBRE

D. VERT

Q80 General Intelligence & Reasoning

A, B, C, D, E, F and G are sitting around a circular table facing the centre. E sits third to the right of G. A sits third to the right of E. D is the immediate neighbour of B and A. C sits to the immediate right of F.

How many people sit between F and B when counted from the left of B?

A. Two



B. Four

C. Three

D. One

General Awareness

20 Questions • Answer Key

Q81 General Awareness

The 2025 World Kabaddi Cup was won by which of the following countries?

A. Pakistan

B. India



C. Iran

D. South Korea

Q83 General Awareness

What honour did ISRO chief V. Narayanan receive in Kolkata in 2025?

A. Bharat Ratna

B. National E-Gov Award

C. Padma Shri

D. Rammohan Mission Purashkar

**Q82 General Awareness**

In 2025, which company has partnered with the Archaeological Survey of India (ASI) to restore heritage water bodies?

A. Nestle

B. Bisleri



C. Dabur

D. Pepsi

Q84 General Awareness

Among India's neighbours, which of the following countries have the better ranking than India in the Corruption Perceptions Index (CPI) for 2024, released by Transparency International in February 2025?

A. Bangladesh

B. Sri Lanka

C. China



D. Pakistan



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Q85 General Awareness

In which year was the Manipur Appropriation Bill passed by the Parliament of India?

A. 2025



B. 2024

C. 2023

D. 2022

Q86 General Awareness

The indigenous mRNA vaccine technology developed by CSIR-Centre for Cellular and Molecular Biology (CCMB) in 2025 could have a significant impact on:

A. providing faster, more scalable vaccine development process for future outbreaks



B. reducing the number of vector control programmes required

C. improving dengue vector control strategies

D. limiting the spread of chikungunya through antibiotics

Q87 General Awareness

In July 2025, which institution announced India's first AI Plus Campus in Amaravati, Andhra Pradesh?

A. BITS Pilani



B. IIIT Hyderabad

C. IIT Madras

D. NIT Warangal

Q88 General Awareness

At the 2025 World Bank Land Conference, which country was honoured as a Country Champion in recognition of its transformative work in rural land governance?

A. India



B. Japan

C. Burma

D. China

Q89 General Awareness

According to the Internal Displacement Monitoring Centre report, between 2015 and 2024, how many internal displacements due to disasters were recorded in India?

A. 32.3 million



B. 10 million

C. 50 million

D. 25.4 million

Q90 General Awareness

What was the theme of the RBI's Financial Literacy Week (FLW) 2025?

A. Digital Finance for All

B. Financial Inclusion: India's Growth

C. Financial Literacy: Women's Prosperity



D. Women and Financial Technology

Q91 General Awareness

Which of the following countries hosted the first assembly of International Big Cat Alliance in June 2025?

A. Italy

B. India



C. Germany

D. Indonesia

Q92 General Awareness

Which group owns and supports Vantara, a unique wildlife conservation, rescue and rehabilitation initiative in Jamnagar, Gujarat, inaugurated by the Prime Minister of India in March 2025?

A. Dalmia Group

B. Wadia Group

C. Tata Group

D. Reliance Group

**Q93 General Awareness**

As per the Economic Survey, 2024-25, what is the global movement led by India to promote sustainable lifestyles called?

A. Earth First

B. LiFE



C. Swachh Life

D. Go Green

Q94 General Awareness

In which of the following months did the institutes of Department of Science and Technology (DST) and the Defence Research and Development Organisation (DRDO) join hands to strengthen ground-based Space Situational Awareness?

A. February 2025

B. May 2025



C. June 2025

D. March 2025



Q95 General Awareness

Who was the first Paralympic gold medalist to receive the Arjuna Award 2025 (Lifetime)?

- A. Varun Bhati
- B. Deepa Malik
- C. Devendra Jhajharia
- D. Murlikant Petkar

**Q96 General Awareness**

In May 2025, six African nations signed a Memorandum of Understanding (MoU) with the World Health Organization (WHO) to combat Kala Azar. What does Kala Azar refer to?

- A. A type of viral fever transmitted by mosquitoes
- B. A parasitic disease caused by sandfly bites
- C. A genetic disorder affecting red blood cells
- D. A bacterial infection spread through contaminated water

**Q97 General Awareness**

Who became the first Indian woman to win gold in javelin at the Asian Games 2025?

- A. Shalini Sharma
- B. Kamalpreet Kaur
- C. Seema Antil
- D. Annu Rani

**Q98 General Awareness**

Which of the following banks of India reported a 33 per cent rise in standalone net profit at ₹5,004 crore for the fourth quarter (Q4) of the financial year 2024-25 (FY25)?

- A. Punjab National Bank
- B. Canara Bank
- C. State bank of India
- D. Bank of Baroda

**Q99 General Awareness**

On 20 June 2025, Prime Minister Narendra Modi officially flagged off India's first indigenously manufactured locomotive export to which country?

- A. Republic of China
- B. Mongolia
- C. Republic of Guinea
- D. Spain

**Q100 General Awareness**

How many athletes received the Arjuna Award, 2024, during the January 2025 ceremony?

- A. 32
- B. 40
- C. 28
- D. 34



General Science

25 Questions · Answer Key

Q1 General Science

When we hit a table lightly, the sound produced is soft because the:

- A. speed of sound decreases
- B. wavelength becomes shorter
- C. amplitude of vibration is small ✓
- D. frequency of vibration is low

Q2 General Science

Which of the following cell organelles have enough surface area for ATP-generating chemical reactions?

- A. Vacuoles
- B. Mitochondria ✓
- C. Lysosomes
- D. Cell wall

Q3 General Science

Which of the following human diseases can be transmitted during sexual act?

- A. Cancer
- B. Diabetes
- C. Protein Energy Malnutrition
- D. Acquired Immuno Deficiency Syndrome ✓

Q4 General Science

Which of the following is a characteristic of gases?

- A. No fixed shape but fixed volume
- B. No fixed shape and no fixed volume ✓
- C. Fixed shape and volume
- D. Compressible but not fluid

Q5 General Science

A body of mass 'm' kg is kept at a height of 'h' m from the surface of the Earth. What will be the potential energy possessed by this body?

- A. mgh ✓
- B. mh/g
- C. m2gh
- D. hg/m

Q6 General Science

The weight of a body on the moon is less than on Earth because:

- A. Gravitational acceleration on the moon is smaller ✓
- B. Mass of the body decreases on the moon
- C. Mass of the moon is equal to Earth's mass
- D. The moon has no atmosphere

Q7 General Science

How is intercropping beneficial over single crop farming?

- A. Utilises nutrients efficiently and prevents spread of diseases ✓
- B. Reduces labour cost
- C. Increases irrigation needs
- D. Requires less land

Q8 General Science

When a gun is fired, the bullet moves forward because:

- A. gravity pushes it forward
- B. the recoil of the gun acts backward as reaction ✓
- C. the barrel exerts no force
- D. air resistance acts forward

Q9 General Science

A car starts from rest and accelerates uniformly at 2 m/s^2 for 5 seconds. What is the final velocity of the car?

- A. 20 m/s
- B. 5 m/s
- C. 15 m/s
- D. 10 m/s ✓

Q10 General Science

Generally which of the following trophic levels have the least number of organisms?

- A. Secondary consumers
- B. Producers
- C. Primary consumers
- D. Tertiary consumers ✓



Q11 General Science

Which of the following will show diffusion fastest?

- A. Solid in liquid
- B. Liquid in gas
- C. Solid in solid
- D. Gas in gas

**Q12 General Science**

Which of the following statements is true about HIV transmission?

- A. HIV can be transmitted through mosquito bites.
- B. HIV can be transmitted through aerosols.
- C. HIV can be transmitted through casual contact.
- D. HIV can be transmitted through sexual acts.

**Q13 General Science**

Which of the following plants reproduces asexually by budding along the margins of a leaf?

- A. Hydra
- B. Bryophyllum
- C. Mango
- D. Spirogyra

**Q14 General Science**

Which of the following has the highest acidity?

- A. Water
- B. Milk
- C. Lemon juice
- D. Vinegar

**Q15 General Science**

The distance between the pole and the centre of curvature of a convex mirror is + 40 cm. What will be the distance between the pole and the focus of this mirror?

- A. -40 cm
- B. -20 cm
- C. + 40 cm
- D. + 20 cm

**Q16 General Science**

Which of the following observations best supports that liquids have a definite volume but no fixed shape?

- A. Air expands to fill the entire container
- B. A solid iron block retains its shape in any container
- C. Water takes the shape of its container but retains its volume
- D. A sponge changes its shape when squeezed

**Q17 General Science**

Magnification produced by a lens is related to object distance (u) and image distance (v) by the formula:

- A. $m = v - u$
- B. $m = u + v$
- C. $m = u / v$
- D. $m = v / u$

**Q18 General Science**

Which of the following methods involves coating steel and iron with a layer of zinc to prevent rusting?

- A. Passivation
- B. Galvanisation
- C. Electroplating
- D. Cathodic protection

**Q19 General Science**

Which among the following organic compounds is saturated?

- A. 2-Bromopropene
- B. Propene
- C. Bromopropane
- D. Propyne

**Q20 General Science**

Mitochondria are special because they have their own DNA and ribosomes. What can they do on this basis?

- A. Digest materials like lysosomes do
- B. Make some of their own proteins
- C. Make food using sunlight like plants do
- D. Move around the cell on their own



Q21 General Science

_____ is precipitated, when carbon dioxide is passed through lime water.

- A. CaSO_4
- B. Ca(OH)_2
- C. CaCO_3 ✓
- D. $\text{Ca(HCO}_3)_2$

Q22 General Science

Which of the following has straight-chain hydrocarbons?

- A. 3-Methylpentane
- B. 2-Methylpropane
- C. Isobutane
- D. Butane ✓

Q23 General Science

The relation between electric energy, power and time is:

- A. Energy = Power / Time
- B. Energy = Power + Time
- C. Energy = Time – Power
- D. Energy = Power $\times$ Time ✓

Q24 General Science

Why can tiny molecules like oxygen easily pass through the cell membrane, but not the big ones like starch or proteins?

- A. The cell membrane is completely solid.
- B. Small molecules have special energy to push through.
- C. Big molecules have to break down for entry.
- D. The cell membrane is permeable to selective substances. ✓

Q25 General Science

How much work (W) is done in moving a charge (Q) of 5 C across two points that have a potential difference of 15 V?

- A. 15 J
- B. 3 J
- C. $\frac{1}{3}$ J
- D. 75 J ✓

Mathematics

25 Questions • Answer Key

Q26 Mathematics

Anmol and Ayushi together invested ₹46,600 in a business. At the end of the year, out of a total profit of ₹7,500, Anmol's share was ₹2,700. What was Anmol's investment?

- A. ₹16,080
- B. ₹18,740
- C. ₹16,776 ✓
- D. ₹17,240

Q27 Mathematics

A, B and C can do a piece of work in 3, 8 and 24 days, respectively. How long (in days) will they take to do thrice the same work, working together?

- A. 6 ✓
- B. 12
- C. 18
- D. 7

Q28 Mathematics

A person saves 60% of his income. If his expenditure is ₹440, then his income (in ₹) is:

- A. 176
- B. 264
- C. 1,100 ✓
- D. 1,140

Q29 Mathematics

The average age of four children I, J, K and L is 9 years and the average age of I, J, L, M is 12 years. K is 5 years old. The age of M (in years) is:

- A. 18
- B. 19
- C. 17 ✓
- D. 20



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Q30 Mathematics

The amount on a sum of ₹6,500 at 20% per annum compound interest, compounded annually, in 2 years will be:

A. ₹9,360



B. ₹9,431

C. ₹10,274

D. ₹8,411

Q31 Mathematics

In a $\triangle PMN$, $\angle P = 76^\circ$. The bisectors of the exterior angles at M and N intersect each other at point O. The degree measure of $\angle MON$ is:

A. 128°

B. 38°

C. 104°

D. 52°

**Q32 Mathematics**

After selling an article at a discount of 29%, the profit percentage obtained is 4%. What is the mark-up percentage (rounded off to two decimal places)?

A. 48.51%

B. 46.48%



C. 45.31%

D. 47.05%

Q33 Mathematics

What is the average of the first 50 even natural numbers?

A. 52

B. 51



C. 54

D. 50

Q34 Mathematics

The average age of 51 students in a class is 24 years. If the age of the teacher is also included, the average age of the whole group becomes 25 years. The age (in years) of the teacher is:

A. 75

B. 76



C. 77

D. 71

Q35 Mathematics

The cost of a washing machine is 40% less than the cost of a TV. If the cost of the washing machine increases by 80% and that of the TV decreases by 22%, then what is the percentage change in the total cost of 7 washing machines and 6 TVs?

A. Increase by 20%



B. Decrease by 15%

C. Decrease by 18%

D. Increase by 21%

Q36 Mathematics

A train P going at the speed of 84 km/hr completely passes train Q of length 447 m, going in the same direction on parallel tracks, at 54 km/hr, in 4.5 minutes. How much time (in seconds) will P take to completely cross train R of length 287 m, going at 87 km/hr in the opposite direction?

A. 34

B. 36

C. 44



D. 39

Q37 Mathematics

A purse contains only ₹5 and ₹10 coins. The total number of coins is 118 and their total value is ₹855. How many coins of ₹5 are there?

A. 65



B. 56

C. 53

D. 55

Q38 Mathematics

Mohan buys a watch for ₹460 and sells it for ₹483. Find his percentage of profit.

A. 4.7%

B. 5.5%

C. 4%

D. 5%



Q39 Mathematics

Two trains, measuring 267 metres and 153 metres in length, are moving in the same direction at speeds of 162 km/hr and 36 km/hr, respectively. How long will it take for the faster train to completely overtake the slower one?

A. 22 seconds

B. 18 seconds

C. 17 seconds

D. 12 seconds

**Q40 Mathematics**

11 men can dig a well 59 feet deep in 19 days. How many men can dig a well 118 feet deep in 2 days?

A. 209



B. 211

C. 206

D. 208

Q41 Mathematics

A triangular field has sides measuring 42 cm, 34 cm and 20 cm. What is the length of the altitude corresponding to the longest side?

A. 18 cm

B. 16 cm



C. 20 cm

D. 15 cm

Q42 Mathematics

If the third proportional of 32 and 24 is x, then what is the value of x?

A. 20

B. 18



C. 16

D. 17

Q43 Mathematics

If an item marked at ₹485 is sold for ₹293, then what is the discount percentage? (Round off your answer to two decimal places).

A. 39.59%



B. 42.85%

C. 38.99%

D. 36.76%

Q44 Mathematics

3 men can do a piece of work in 20 days. How many men will do it in 2 days?

A. 31

B. 33

C. 32

D. 30

**Q45 Mathematics**

The ratio of the volume of a sphere to the total surface area of a hemisphere is 28 : 3. If the radii of the sphere and the hemisphere are equal, find the volume of the sphere (in cubic centimetres).

$$\left(\text{Use } \pi = \frac{22}{7} \right)$$

A. 38,542

B. 38,808



C. 38,208

D. 38,460



Q46 Mathematics

If $\cos \theta = \frac{5}{13}$, then find the value of $\sqrt{\frac{1 - \sin \theta}{1 + \sin \theta}}$.

A. $\frac{1}{25}$

B. $\frac{1}{3}$

C. $\frac{1}{5}$ ✓

D. $\frac{12}{13}$

Q47 Mathematics

Simplify: $\frac{[72 \div \{6 \times (3 + 2)\} + 5^2 - 8] \times 5}{97}$

A. 1 ✓

B. 7

C. 5

D. 3

Q48 Mathematics

If $x^2 + 1 = 2x$, then $(x^4 - 1)$ is equal to:

A. x

B. 0 ✓

C. 1

D. 2x

Q49 Mathematics

Simplify: $4 \div 24 + 3.6 \times \frac{1}{9} - \left\{ \frac{1}{15} + (1 - 1.5) \right\}$

A. 1 ✓

B. 2

C. 0

D. 3



Q50 Mathematics

$\frac{1}{20}$ is what percentage of $\frac{2}{60}$?

A. 150%



B. 160%

C. 165%

D. 300%

General Intelligence & Reasoning

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(3, -2, 11)

(46, 2107, 9)

A. (33, 1081, 7)

B. (25, 607, 17)

C. (38, 1433, 10)

D. (34, 1135, 21)

**Q52** General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

GMP IOR KQT MSV ?

A. PVX

B. OUX



C. QVX

D. OUY

Q53 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 5 7 1 8 4 2 3 9 5 7 6 1 (Right)

How many even numbers are there which are immediately followed by odd numbers?

A. Two



B. One

C. More than three

D. Three

Q54 General Intelligence & Reasoning

Refer to the number series given below and answer the question that follows. Counting to be done from left to right only.

(NOTE: All numbers are single-digit numbers only.)

(Left) 3 1 3 9 6 3 4 1 1 5 6 9 9 6 8 9 7 5 6 6 2 (Right)

How many such even digits are there each of which is immediately preceded by a perfect square and also immediately followed by an even digit?

A. 2

B. 4

C. 3

D. 1



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Q55 General Intelligence & Reasoning

In a certain code language,
A + B means 'A is the sister of B',
A @ B means 'A is the brother of B',
A - B means 'A is the wife of B' and
A # B means 'A is the father of B'.

Based on the above, how is O related to V if 'O + P @ T - G # V'?

A. Mother

B. Sister

C. Mother's sister



D. Mother's mother

Q56 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. PVS

B. GMJ

C. IOL

D. CIE

**Q57 General Intelligence & Reasoning**

SDFH is related to VYIC in a certain way based on the English alphabetical order. In the same way, EJRN is related to HEUI. To which of the following options is NUAY related, following the same logic?

A. QPYU

B. QSER

C. QWET

D. QPDT

**Q58 General Intelligence & Reasoning**

This question is based on the five, three-digit numbers given below.

(Left) 593 784 358 631 296 (Right)

(Example- 697 - First digit = 6, second digit = 9 and third digit = 7)

NOTE - All operations to be done from left to right.

What will be the resultant, if the third digit of the highest number is added to the second digit of the lowest number?

A. 14

B. 10

C. 13



D. 17

Q59 General Intelligence & Reasoning

Hemant starts from Point A and drives 3 km towards the east. He then takes a right turn, drives 5 km, turns right and drives 6 km. He then takes a right turn and drives 5 km. He takes a final left turn, drives 8 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified).

A. 7 km towards the north

B. 11 km towards the east



C. 5 km towards the south

D. 11 km towards the west

Q60 General Intelligence & Reasoning

In a certain code language, 'nail post fish' is coded as 'pl mg qn' and 'fish urn knife' is coded as 'ix pl ko'. How is 'fish' coded in the given language?

A. pl



B. qn

C. mg

D. ix

Q61 General Intelligence & Reasoning

If + means -, - means $\times$, $\times$ means $\div$ and $\div$ means +, then what will come in place of the question mark (?) in the following equation?

$$43 - 17 \div 147 + 362 \times 2 = ?$$

A. 695

B. 699

C. 697



D. 691



Q62 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:

Some oranges are peaches.
No peach is a carrot.

Conclusions:

- (I) Some oranges are carrots.
(II) All carrots are peaches.

- A. Only conclusion (I) follows.
B. Only conclusion (II) follows.
C. Both conclusions (I) and (II) follow.
D. Neither conclusion (I) nor (II) follows. ✓

Q63 General Intelligence & Reasoning

A, B, C, D, E, F and G are sitting around a circular table facing the centre. C sits third to the right of D. E sits second to the right of C. F is the immediate neighbour of B and C. G is not an immediate neighbour of D. How many people sit between A and G when counted from the left of G?

- A. Three
B. One
C. Two
D. Four ✓

Q64 General Intelligence & Reasoning

A, B, C, R, S, T and U are sitting around a circular table facing the centre of the table. Only two people sit between C and U when counted from the left of U. B sits third to the left of A. T sits to the immediate right of A. T sits second to the left of C. R is not an immediate neighbour of B. Who sits third to the right of S?

- A. A
B. C
C. T ✓
D. U

Q65 General Intelligence & Reasoning

If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', then what will come in place of the question mark (?) in the following equation?

$$11\ B\ 22\ C\ 288\ A\ 18\ D\ 50 = ?$$

- A. 208 ✓
B. 212
C. 220
D. 202

Q66 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some paddy are rice.
Some rice are wheat.

Conclusions:

- (I) Some paddy are wheat.
(II) All wheat are rice.

- A. Only conclusion (II) follows
B. Both conclusions (I) and (II) follow
C. Only conclusion (I) follows
D. Neither conclusion (I) nor (II) follows ✓

Q67 General Intelligence & Reasoning

In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

MIST - TIMS - ISMT
HOPE - EOHP - OPHE

- A. WIDE - EIWD - DIWE
B. BUSY - YUBS - USBY ✓
C. PUTS - UPTS - SUTP
D. NUMB - NMUB - BMUN

Q68 General Intelligence & Reasoning

Raman ranked 31st from the top and 12th from the bottom in his class. How many students are there in his class?

- A. 43
B. 41
C. 40
D. 42 ✓



Q69 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

2 4 12 24 72 ?

A. 144



B. 124

C. 136

D. 92

Q70 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. MP - IL

B. PS - LO

C. IL - EL



D. OR - KN

Q71 General Intelligence & Reasoning

This question is based on the five, three-digit numbers given below.

(Left) 742 912 853 657 154 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

If all the numbers are arranged in descending order, the position of how many numbers will remain unchanged?

A. Three

B. Two



C. Four

D. One

Q72 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

834 840 848 ? 870 884

A. 858



B. 856

C. 854

D. 855

Q73 General Intelligence & Reasoning

If 'A' stands for ' $\div$ ', 'B' stands for ' $\times$ ', 'C' stands for '+' and 'D' stands for ' $-$ ', what will come in place of the question mark (?) in the following equation?

21 B 16 C 20 D 26 A 2 = ?

A. 343



B. 340

C. 342

D. 341

Q74 General Intelligence & Reasoning

In a certain code language, 'ROME' is coded as '1398' and 'DEMO' is coded as '4138'. What is the code for 'D' in the given code language?

A. 8

B. 3

C. 1

D. 4

**Q75 General Intelligence & Reasoning**

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

GKN19 HLO26 IMP33 JNQ40 ?

A. KOS48

B. KOR48

C. KOS47

D. KOR47

**Q76 General Intelligence & Reasoning**

Seven boxes B, C, D, I, J, K and L are kept one over the other but not necessarily in the same order. Only I is kept above C. Only L is kept between C and J. Only K is kept below D. How many boxes are kept between B and I?

A. Four

B. Two

C. One

D. Three



Q77 General Intelligence & Reasoning

Mukesh starts from Point A and drives 14 km towards the North. He then takes a left turn, drives 9 km, then turns left and drives 17 km. He then takes a left turn and drives 13 km. He takes a final left turn, drives 3 km, and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only, unless specified.)

- A. 4 km to the east
- B. 5 km to the west
- C. 5 km to the east
- D. 4 km to the west

**Q78 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

267 237 209 183 159 ?

- A. 133
- B. 145
- C. 128
- D. 137

**Q79 General Intelligence & Reasoning**

EFJL is related to HKMQ in a certain way based on the English alphabetical order. In the same way, QZVF is related to TEYK. To which of the following options is ZOEU related, following the same logic?

- A. CTZS
- B. CGFR
- C. CTHZ
- D. CTYU

**Q80 General Intelligence & Reasoning**

Seven people, B, C, D, I, J, K and L, are sitting around a circular table, facing the centre of the table. I sits to the immediate left of D. J is the immediate neighbour of both B and K. K sits third to the left of D. L is not an immediate neighbour of K. Who sits second to the right of C?

- A. K
- B. D
- C. J
- D. I

**General Awareness**

20 Questions • Answer Key

Q81 General Awareness

Indicating a strong push toward sustainable energy development, the installed renewable energy generating capacity in India increased from 64.04 watts per capita in 2014-15 to what level per capita in 2024-25?

- A. 98.63 watts
- B. 110.36 watts
- C. 156.31 watts
- D. 85.21 watts

**Q83 General Awareness**

The 'GenomeIndia' project that has completed whole genome sequencing (WGS) on a database of thousands of individuals in April 2025 was launched in ____.

- A. 2019
- B. 2020
- C. 2023
- D. 2014

**Q82 General Awareness**

Which international day was observed for the first time on 12 April 2025, as declared by the United Nations?

- A. International Day for Dialogue Between Civilizations
- B. International Day of Human Space Flight
- C. International Day of Plant Health
- D. International Day of Clean Energy

**Q84 General Awareness**

According to ICRA, India's general insurance sector is expected to see a growth of how much percentage in FY26?

- A. 8.7%
- B. 6.7%
- C. 7.7%
- D. 5.7%



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Q85 General Awareness

Which state High Court in January 2025 has mandated that individuals in live-in relationships must sign a legal contract outlining financial responsibilities and childcare provisions?

- A. Goa
- B. Gujarat
- C. Maharashtra
- D. Rajasthan ✓

Q86 General Awareness

Which of the following organisations received the 2025 Zayed Sustainability Prize in the Health category in January 2025?

- A. Periwinkle Technologies ✓
- B. Last Mile Health
- C. Doctors Without Borders
- D. PATH

Q87 General Awareness

Which app was announced in June 2025 to identify sporting talent via videos?

- A. SAI Connect App
- B. Khelo India App
- C. TOPS Talent App ✓
- D. Sports Talent Search App

Q88 General Awareness

Which state emerged as India's first fully literate state, following a major literacy drive under the ULLAS scheme, in May 2025?

- A. Kerala
- B. Gujarat
- C. Goa
- D. Mizoram ✓

Q89 General Awareness

Which two national parks achieved the highest scores of 92.97% in the Management Effectiveness Evaluation (MEE) 2020–2025 of National Parks and Protected Areas?

- A. Eravikulam and Dachigam ✓
- B. Periyar and Sundarbans
- C. Gir and Kaziranga
- D. Bandipur and Kanha

Q90 General Awareness

In June 2025, the Reserve Bank of India introduced relaxed norms for project finance provisioning bringing significant relief to lenders, with effect from _____.

- A. 1 October 2025 ✓
- B. 1 November 2025
- C. 1 September 2025
- D. 1 August 2025

Q91 General Awareness

Which Indian bowler took 25 wickets to win IPL 2025 Purple Cap?

- A. Arshdeep Singh
- B. Prasidh Krishna ✓
- C. Jasprit Bumrah
- D. Yuzvendra Chahal

Q92 General Awareness

With which country did India secure a \$131 million deal in May 2025 to acquire 'HawkEye 360's cutting-edge surveillance technology to advance its maritime defense infrastructure?

- A. New Zealand
- B. Germany
- C. South Africa
- D. United States of America ✓

Q93 General Awareness

The Prime Minister laid the foundation stone for the National Referral Centre for Wildlife in which city in 2025?

- A. Junagadh ✓
- B. Pune
- C. Vadodara
- D. Ahmedabad

Q94 General Awareness

Who received the Padma Shri in 2025 for their work in social service (North East India)?

- A. Kiran Mazumdar-Shaw
- B. Anand Kumar
- C. Jumde Yomgam ✓
- D. Binalakshmi Nepram



Q95 General Awareness

The theme of National Nurses Day 2025 was 'Our Nurses. Our Future. Caring for nurses strengthens economies'. When was this day celebrated in India?

- A. 6 July
- B. 7 June
- C. 7 August
- D. 12 May

**Q96 General Awareness**

With which of the following institutes did the Data Informatics and Innovation Division of the Ministry of Statistics and Programme Implementation (MoSPI), sign a Memorandum of Understanding under the Data Innovation lab initiative in January 2025?

- A. International Institute of Information Technology – Hyderabad (IIIT-Hyderabad)
- B. National Institute of Technology Durgapur
- C. Indraprastha Institute of Information Technology (IIIT-Delhi)
- D. National Institute of Technology Warangal

**Q97 General Awareness**

Which rugby league legend became the first player in the sport's 130-year history to receive a knighthood, awarded by King Charles at Buckingham Palace in 2025?

- A. Billy Boston
- B. Ellery Hanley
- C. Kevin Sinfield
- D. Martin Offiah

**Q98 General Awareness**

Which Indian personality headed the expert committee on digital competition law in 2025?

- A. Manoj Govil
- B. Nandan Nilekani
- C. Ashwini Vaishnaw
- D. Manoj Joshi

**Q99 General Awareness**

The National Florence Nightingale Awards, conferred by the President of India in May 2025, are given to which of the following?

- A. Doctors
- B. Teaching professionals
- C. Educational institutions
- D. Nursing professionals

**Q100 General Awareness**

Which team won the Laureus World Team of the Year in 2025?

- A. Real Madrid
- B. Los Angeles Lakers
- C. Spain Olympic Football Team
- D. Barcelona



General Science

25 Questions • Answer Key

Q1 General Science

What is the defining characteristic of an unsaturated carbon compound?

- A. All carbon atoms are linked by only single bonds.
- B. It forms only cyclic structures.
- C. It always contains a functional group with oxygen.
- D. It contains at least one double or triple bond between carbon atoms. ✓

Q2 General Science

A housing society has started segregating waste into two bins – green for kitchen waste and blue for plastic, metal and glass. What is the main benefit of this practice?

- A. It makes waste collection faster.
- B. It helps separate non-biodegradable from biodegradable waste. ✓
- C. It increases the quantity of waste produced.
- D. It reduces the smell of garbage.

Q3 General Science

The process of swelling or shrinking in plant cells, leading to changes in shape and movement, is directly caused by which factor?

- A. The stiffening of their cell walls.
- B. The alteration of their internal water content. ✓
- C. The formation of new protein structures.
- D. The rapid breakdown of cellulose.

Q4 General Science

Which of the following statements is correct?

Statement 1: The magnetic field lines produced around a straight current-carrying conductor form concentric circles centred along the wire.
Statement 2: The direction of these magnetic field lines can be determined using the right-hand thumb rule.

- A. Both statements 1 and 2 are incorrect.
- B. Statement 1 is correct, but 2 is incorrect.
- C. Statement 1 is incorrect, but 2 is correct.
- D. Both statements 1 and 2 are correct. ✓

Q5 General Science

A student cuts the style of a flower before pollination. What will be the most likely outcome?

- A. Pollination will be faster.
- B. The ovule will turn into a seed.
- C. Fertilisation will not occur. ✓
- D. The pollen tube will grow more quickly.

Q6 General Science

Metals found at the bottom of the activity series (e.g., gold, silver, platinum) are typically found in nature in which state?

- A. As sulphides that require calcination
- B. As highly reactive oxides
- C. As carbonates that require roasting
- D. In their free state ✓

Q7 General Science

Which of the following increases when the amplitude of a wave increases?

- A. Wavelength
- B. Speed
- C. Frequency
- D. Energy of the wave ✓

Q8 General Science

How many daughter cells are formed during binary fission?

- A. Zero
- B. One
- C. Four
- D. Two ✓



Q9 General Science

To demonstrate the relationship between inertia and mass, a student compares the difficulty of kicking a football versus kicking a stone of equal size. What fundamental principle justifies the greater difficulty and potential injury associated with kicking the stone?

- A.** The stone possesses greater mass, which results in greater inertia, meaning it offers larger resistance to changing its state of rest. ✓
- B. The stone has lower surface friction, causing all force to be transmitted.
- C. The stone is subject to the First Law of Motion, while the football is governed by the Second Law.
- D. The force applied to the stone is insufficient to overcome the centripetal force holding its atoms together.

Q10 General Science

Which of the following statements is true about gravitational force of the Earth?

- A. It is a non-central force.
- B. It is independent of distance from Earth's centre.
- C.** It depends on the mass of the object. ✓
- D. It acts away from the centre of Earth.

Q11 General Science

Newton's First Law of Motion is also called the law of:

- A. force
- B. acceleration
- C.** inertia ✓
- D. action and reaction

Q12 General Science

The resistance of a metallic conductor increases with:

- A. Decrease in temperature
- B.** Increase in temperature ✓
- C. Increase in cross-sectional area
- D. Decrease in length

Q13 General Science

What is the approximate pH of a salt solution formed from a strong acid and a strong base?

- A.** Equal to 7 ✓
- B. Greater than 7
- C. Less than 7
- D. Can be less than or greater than 7 depending on temperature

Q14 General Science

Which of the following examples best illustrates the real-life role of lysosomes in action?

- A. A nerve cell passing signals to help you feel pain
- B.** A white blood cell swallowing and breaking down harmful bacteria ✓
- C. A red blood cell delivering oxygen to muscles
- D. A green leaf making food by photosynthesis

Q15 General Science

What is the main function of the nucleus in an eukaryotic cell?

- A. Digesting waste
- B.** Directing life processes of the cell ✓
- C. Acting as a storage unit for food
- D. Producing energy

Q16 General Science

Rutherford's α -particle scattering experiment led to the discovery of which of the following?

- A. Electrons
- B. Protons
- C. Neutrons
- D.** Nucleus ✓

Q17 General Science

When white light falls on a glass prism, out of all its constituent colours, violet colour undergoes maximum bending. Why?

- A.** Violet has minimum wavelength and hence maximum refractive index ✓
- B. Violet has maximum wavelength and hence minimum refractive index
- C. Violet has minimum wavelength and hence minimum refractive index
- D. Violet has maximum wavelength and hence maximum refractive index



Q18 General Science

Which of the following organs releases growth hormone releasing factor, which stimulates the pituitary gland to release growth hormone?

- A. Thymus
- B. Pancreas
- C. Adrenal glands
- D. Hypothalamus

**Q19 General Science**

Which of the following is an example of potential energy?

- A. A rolling ball
- B. A book kept on a table
- C. A flowing river
- D. A moving train

**Q20 General Science**

The state of a substance whether it will be solid, liquid or gas is determined by:

- a. Temperature
- b. Pressure
- c. Volume

- A. b and c only
- B. a and b only
- C. a, b and c
- D. a and c only

**Q21 General Science**

Which of the following is NOT true regarding the image formed by a concave lens?

- (i) The image formed by a concave lens cannot be obtained on a screen.
- (ii) The image formed by a concave lens can be obtained on a screen.
- (iii) The image formed is always smaller in size in comparison to the size of the object.
- (iv) The image formed is always bigger in size in comparison to the size of the object.

- A. Both (i) and (iii)
- B. Both (i) and (iv)
- C. Both (ii) and (iii)
- D. Both (ii) and (iv)

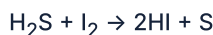
**Q22 General Science**

What type of reaction occurs when barium chloride reacts with sodium sulfate?

- A. Double displacement
- B. Oxidation
- C. Decomposition
- D. Combination

**Q23 General Science**

Observe the following chemical reaction:



Which of the following statements correctly describes this redox reaction?

Statements:

- I: Hydrogen sulphide undergoes oxidation to form sulphur.
- II: Iodine is reduced, producing hydrogen iodide.

- A. Both Statement I and II are correct
- B. Only Statement I is correct
- C. Both Statement I and II are incorrect
- D. Only Statement II is correct

**Q24 General Science**

What is the sequence of stages involved in the budding process of hydra?

- A. Bud initiation → Bud detachment → Bud maturation → New individual
- B. Bud initiation → Bud maturation → Bud detachment → New individual
- C. Bud maturation → Bud initiation → Bud detachment → New individual
- D. New individual → Bud maturation → Bud detachment → Bud initiation

**Q25 General Science**

Which of the following activities demonstrates the presence of spaces between particles of matter?

- A. Freezing a liquid
- B. Dissolving sugar in water
- C. Compressing a gas
- D. Heating a solid



Q26 Mathematics

A sum of money is to be distributed among A, B, C and D in the ratio of 10 : 7 : 9 : 5. If C gets ₹334 more than B, then how much did A receive?

- A. ₹1,671
- B. ₹1,669
- C. ₹1,673
- D. ₹1,670

**Q27 Mathematics**

Find the mode of the data 1, 11, 11, 8, 18, 8, 7, 7, x, y, and 8, given that $3x + 7y = 42$ and $7x + 3y = 58$.

- A. 7
- B. 11
- C. 8
- D. 18

**Q28 Mathematics**

If $A : B = 1 : 3$, $B : C = 4 : 3$ and $C : D = 6 : 7$, then $A : B : C : D$ is:

- A. 8 : 22 : 18 : 21
- B. 6 : 24 : 18 : 21
- C. 8 : 24 : 16 : 21
- D. 8 : 24 : 18 : 21

**Q29 Mathematics**

The present age of a father is twice the sum of the present ages of his two sons. After 20 years, the father's age will be equal to the sum of his sons' ages. Find the present age of the father.

- A. 48 years
- B. 42 years
- C. 45 years
- D. 40 years

**Q30 Mathematics**

P is any point inside the rectangle ABCD. If $PA = 85$ cm, $PB = 65$ cm and $PC = 5$ cm, then the length of PD (in cm) is equal to:

- A. 58
- B. 53
- C. 55
- D. 51

**Q31 Mathematics**

The area of a triangle is 61.5 m^2 . If one of its sides is 12.3 m, find the length of the perpendicular dropped on that side from the opposite vertex.

- A. 11 m
- B. 11.5 m
- C. 10 m
- D. 10.5 m

**Q32 Mathematics**

The cost of a washing machine is 50% less than the cost of a TV. If the cost of the washing machine increases by 33% and that of the TV decreases by 13%, then what is the percentage change in the total cost of 4 washing machines and 2 TVs?

- A. Increase by 10%
- B. Decrease by 10%
- C. Decrease by 7%
- D. Increase by 9.5%

**Q33 Mathematics**

The amount on a sum of ₹2,800 at 10% per annum compound interest, compounded annually, in 2 years will be:

- A. ₹2,647
- B. ₹3,604
- C. ₹3,388
- D. ₹3,274

**Q34 Mathematics**

The average of 6.5, 10.6, 19.7 and a is 12. The value of a is:

- A. 10.2
- B. 11.2
- C. 13.2
- D. 12.2



Q35 Mathematics

The monthly incomes of two friends, Kiran and Mahesh, are in the ratio 5 : 8 respectively, and each of them saves ₹72,000 every month. If the ratio of their monthly expenditure is 2 : 4, find the monthly income of Kiran (in ₹).

A. 1,80,000



B. 1,79,000

C. 2,52,000

D. 1,81,000

Q36 Mathematics

Sushma purchased a used car for ₹1,20,000 and spent ₹28,500 on its repairs. She then sold it to her friend Sam for ₹1,38,600. What percentage did she gain or lose? (Round off your answer to two decimal places.)

A. 8.67% loss

B. 6.67% gain

C. 5.38% gain

D. 6.67% loss

**Q37 Mathematics**

A train, 1312 m long, is running at a speed of 54 m/s. If it takes 106 seconds to cross a tunnel, then find the length of the tunnel.

A. 4408 m

B. 4413 m

C. 4412 m



D. 4402 m

Q38 Mathematics

The price of oil is increased successively by 50% and then by 40%. What is the equivalent single percentage increase?

A. 110%



B. 75%

C. 100%

D. 90%

Q39 Mathematics

The marked price of a wardrobe is ₹8,640, which is 35% above the cost price. It is sold at a discount of 20% on the marked price. Find the profit percentage.

A. 9%

B. 8%



C. 6%

D. 10%

Q40 Mathematics

A father is 5 times as old as his son. If the sum of their ages is 54 years, how old is the son?

A. 12 years

B. 9 years



C. 10 years

D. 11 years

Q41 Mathematics

Which of the following numbers is divisible by 7?

A. 6825907

B. 7357306

C. 7660778

D. 7132951

**Q42 Mathematics**

Navya and Bhavya can paint a house in 40 days and 60 days, respectively. If they work on alternate days, starting with Bhavya, in how many days can the duo complete painting that house?

A. 48 days



B. 45 days

C. 49 days

D. 50 days

Q43 Mathematics

A and B working together can do a piece of work in 6 days. B alone can do the same work in 9 days. How long (in days) will A alone take to do double the work?

A. 18

B. 39

C. 36



D. 37

Q44 Mathematics

After selling an article at a discount of 25%, the profit percentage obtained is 2%. What is the mark-up percentage?

A. 36%



B. 34%

C. 38%

D. 40%



Q45 Mathematics

If $5\cos A = 4$, find the value of $\frac{3\sqrt{\operatorname{cosec}^2 A - 1}}{4\sqrt{\sec^2 A - 1}}$.

A. $\frac{16}{9}$

B. 1

C. $\frac{3}{4}$

D. $\frac{4}{3}$ ✓

Q46 Mathematics

Chetan travels from City A to City B. If Chetan drives his car at $\frac{3}{5}$ th of his normal speed, then he reaches City B 52 minutes late. Find the time (in minutes) that Chetan would have taken to travel from City A to City B if he drove at his normal speed.

A. 78 ✓

B. 82

C. 83

D. 69

Q47 Mathematics

What is the value of $\frac{5.4(0.1 \times 0.1 \times 0.1 + 0.03 \times 0.03 \times 0.03)}{(0.3 \times 0.3 \times 0.3 + 0.09 \times 0.09 \times 0.09)}$?

A. 0.6

B. 0.5

C. 0.4

D. 0.2 ✓

Q48 Mathematics

If $7^5 \times 7\sqrt{7} \div 7^{\frac{-5}{2}} = 7^{2x+3}$, then the value of x is:

A. 2

B. 0

C. 3 ✓

D. 0.5



Q49 Mathematics

Simplify $\frac{1.25^2 - 0.75^2}{2.25^2 - 1.25^2} \times \frac{7}{2}$.

A. 0.5

B. 2

C. 0.25

D. 1

**Q50 Mathematics**

A triangle has sides of lengths 7 cm, 9 cm and 12 cm. Find its area.

A. $19\sqrt{7} \text{ cm}^2$ B. $14\sqrt{5} \text{ cm}^2$ C. $18\sqrt{13} \text{ cm}^2$ D. $16\sqrt{3} \text{ cm}^2$ **General Intelligence & Reasoning**

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

Karan starts from Point A and drives 12 km towards the North. He then takes a right turn, drives 6 km, then turns right and drives 16 km. He then takes a right turn and drives 8 km. He takes a final right turn, drives 4 km, and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only, unless specified.)

A. 2 km to the east



B. 3 km to the east

C. 2 km to the west

D. 3 km to the west

Q52 General Intelligence & Reasoning

If 'A' stands for ' $\div$ ', 'B' stands for ' $\times$ ', 'C' stands for '+' and 'D' stands for '-', what will come in place of question mark '?' in the following equation?

29 B 6 C 243 A 9 D 33 = ?

A. 171

B. 166

C. 173

D. 168

**Q53 General Intelligence & Reasoning**

In a row of 47 students facing north, Neha is 21st from the right end. If Kinjal is 8th to the left of Neha, what is Kinjal's position from the left end of the line?

A. 18th

B. 17th

C. 20th

D. 19th

**Q54 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

5 15 26 38 51 ?

A. 63

B. 62

C. 65



D. 64



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Q55 General Intelligence & Reasoning

DGRZ is related to HNVG in a certain way based on the English alphabetical order. In the same way, TIHB is related to XPLI. To which of the given options is FDTW related, following the same logic?

A. JKOP

B. JXDE

C. JKXD



D. JKXS

Q56 General Intelligence & Reasoning

Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

RK-NH-LO
TM-PJ-NQ

A. VO-RL-PT

B. WO-RL-PT

C. WO-SL-PT

D. VO-RL-PS

**Q57 General Intelligence & Reasoning**

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(59, 71, 55)
(85, 97, 81)

A. (117, 129, 114)

B. (121, 133, 116)

C. (78, 90, 76)

D. (99, 111, 95)

**Q58 General Intelligence & Reasoning**

Mr. Z starts from Point A and drives 18 km towards the North. He then takes a left turn, drives 14 km, then turns left and drives 14 km. He then takes a right turn, drives 13 km, then turns left and drives 25 km. He then takes a left turn and drives 34 km. He takes a final left turn, drives 21 km, and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only, unless specified.)

A. 7 km to the west



B. 10 km to the north

C. 8 km to the east

D. 9 km to the south

Q59 General Intelligence & Reasoning

D, E, F, G, L, M and N are sitting in a straight line, facing north.

Only two people sit to the right of D. Only two people sit between D and G. Only two people sit between E and F. F sits to the immediate left of D. N sits to the immediate right of M.

Who sits at the third position from the left end of the line?

A. M

B. L



C. D

D. G

Q60 General Intelligence & Reasoning

In a row of 50 students facing North, Shruti is 23rd from the left end. If Daksh is 17th to the right of Shruti, what is Daksh's position from the right end of the line?

A. 12th

B. 11th



C. 10th

D. 9th

Q61 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

29 49 69 89 109 ?

A. 129



B. 119

C. 131

D. 121



Q62 General Intelligence & Reasoning

A, B, C, D, E and F are sitting around a circular table facing the centre. D sits second to the left of B. E sits second to the right of F. C is on the immediate right of D. Who is sitting on the immediate left of A?

A. C

B. E

C. B

D. F

**Q63 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

747 740 732 723 713 ?

A. 703

B. 701

C. 704

D. 702

**Q64 General Intelligence & Reasoning**

Refer to the following series and answer the question (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 8 7 1 7 8 2 9 6 7 4 7 8 8 9 3 3 2 8 7 9 8 (Right)

How many such odd digits are there each of which is immediately preceded by an odd digit and also immediately followed by an even digit?

A. 3



B. 4

C. 1

D. 2

Q65 General Intelligence & Reasoning

In a certain code language, 'pig issue nod' is coded as 'cd hx gj' and 'love nod news' is coded as 'vn va hx'. How is 'nod' coded in the given language?

A. hx



B. cd

C. gi

D. vn

Q66 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single digit numbers only).

(Left) 6 1 5 6 8 5 5 7 7 9 9 5 7 4 9 7 6 1 9 2 6 7 6 3 7 4 9
(Right)

How many such odd numbers are there (from left to right) each of which is immediately preceded by an even number and also immediately followed by an even number?

A. 3

B. 1



C. 2

D. 0

Q67 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 6 6 8 6 7 4 5 9 9 1 7 6 8 1 4 5 4 7 1 4 1 1 4 3 5 4 3
(Right)

How many such even numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

A. 1



B. 3

C. 2

D. 0

Q68 General Intelligence & Reasoning

If 'E' stands for '+', 'F' stands for '-', 'G' stands for 'x' and 'H' stands for '÷', what will come in place of question mark '?' in the following equation?

45 G 3 E 28 H 7 F 8 = ?

A. 135

B. 133

C. 131



D. 129



Q69 General Intelligence & Reasoning

In a certain code language,
 A + B means 'A is the sister of B',
 A @ B means 'A is the brother of B',
 A - B means 'A is the wife of B',
 and A # B means 'A is the father of B'.

How is O related to V if 'O + P - T # G @ V'?

- A. Mother's mother
- B. Mother
- C. Sister
- D. Mother's sister** ✓

Q70 General Intelligence & Reasoning

Read the given statements and conclusions carefully.
 Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some Pomegranates are Peaches.
 Some Peaches are Lemons.
 All Lemons are Figs.

Conclusions:

- (I) Some Peaches are Figs.
- (II) Some Pomegranates are Figs.

- A. Neither conclusion (I) nor (II) follows
- B. Only conclusion (I) follows** ✓
- C. Both conclusions (I) and (II) follow
- D. Only conclusion (II) follows

Q71 General Intelligence & Reasoning

Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) % € € % 6 £ 3 & 1 £ 4 5 7 2 2 & 9 & 8 8 * (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a number?

- A. 6
- B. 4** ✓
- C. 5
- D. 3

Q72 General Intelligence & Reasoning

Read the given statements and conclusions carefully.
 Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some pipe are hose.
 All hose are tunnel.

Conclusions:

- (I) Some pipe are tunnel.
- (II) All tunnel are hose.

- A. Neither conclusion (I) nor (II) follows
- B. Only conclusion (II) follows
- C. Both conclusions (I) and (II) follow
- D. Only conclusion (I) follows** ✓

Q73 General Intelligence & Reasoning

If + means $\div$, - means $\times$, $\times$ means -, and $\div$ means +, then what will come in place of the question mark (?) in the following equation?

$$639 + 9 \times 6 - 44 \div 279 = ?$$

- A. 89
- B. 86** ✓
- C. 80
- D. 81

Q74 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

BLS DNU FPW HRY ?

- A. JSZ
- B. ISZ
- C. JTA** ✓
- D. ITB



Q75 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. EG – AB



B. RT – NM

C. DF – ZY

D. JL – FE

Q76 General Intelligence & Reasoning

P, Q, R, S, T and U are sitting around a circular table facing the centre. U sits second to the right of R. Q sits second to the left of S. P is on the immediate left of Q. Who is sitting on the immediate left of T?

A. R

B. U



C. Q

D. S

Q77 General Intelligence & Reasoning

In a certain code language, 'LOVE' is coded as '2436' and 'VALE' is coded as '3245'. What is the code for 'A' in the given code language?

A. 5



B. 4

C. 2

D. 3

Q78 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the letter-cluster that does NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their positions in the letter-cluster.)

A. PNQ

B. TRU

C. ECF

D. GFH

**Q79 General Intelligence & Reasoning**

NJOM is related to TPUS in a certain way based on the English alphabetical order. In the same way, PLQO is related to VRWU. To which of the following is RNSQ related, following the same logic?

A. XTYW



B. TXYW

C. TXWY

D. XTWY

Q80 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

BTM 25 DVO 27 FXQ 29 HZS 31 ?

A. LBU 33

B. JBU 33



C. KCV 33

D. KDV 33

General Awareness

20 Questions • Answer Key

Q81 General Awareness

On 16 July 2025, India achieved a major milestone by successfully destroying two aerial high-speed unmanned targets at high altitude in Ladakh using the upgraded variant of the Akash Weapon System for the Indian Army called _____.

A. Pinaka

B. Akash Prime



C. BrahMos

D. Akash Advanced

Q82 General Awareness

As per the June 2025 India Child Protection report, what percentage of 44,902 rescued children were found in the worst forms of child labour?

A. 50%

B. 75%

C. 60%

D. 90%



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Q83 General Awareness

Which cricketer was honoured with Padma Shri in 2025?

A. Ravichandran Ashwin



B. Virat Kohli

C. Rohit Sharma

D. Jasprit Bumrah

Q84 General Awareness

Which student activist became the first SFI member to be elected sarpanch in Gujarat in June 2025?

A. Satyasha Leuva



B. Monika Gusain

C. Ashish Rabari

D. Aayush Khatkar

Q85 General Awareness

Which of the following insurance companies announced the adoption of the revised GST structure on all insurance products from 22 September 2025?

A. Kotak Life Insurance Co. Ltd.

B. Sahara India Life Insurance Co. Ltd.

C. ICICI Prudential Life Insurance Co. Ltd.

D. HDFC Life Insurance Co. Ltd.

**Q86 General Awareness**

Who earned the 'Game Changer' award at the Women's Football Awards, 2025?

A. Bethany England

B. Anita Asante



C. Keira Walsh

D. Viviane Msson

Q87 General Awareness

What is the full form of RIMES, an intergovernmental body in news in 2025?

A. Research Initiative for Mitigating Environmental Shocks

B. Risk Information and Monitoring of Emergency Situations

C. Regional Integrated Multi-Hazard Early Warning System



D. Regional Institute for Meteorological and Environmental Studies

Q88 General Awareness

The 51st G7 summit was held in which of the following countries in June 2025?

A. India

B. Germany

C. Canada



D. Abu Dhabi

Q89 General Awareness

Who authored the book 'To the Seventh Generation: The Journey of Christian Medical College Vellore', released in January 2025?

A. Dr. Atul Gawande

B. Dr. Devi Shetty

C. Prof. Romila Thapar

D. Dr. V I Mathan

**Q90 General Awareness**

As per the Sustainable Development Goals – National Indicator Framework Progress Report, 2025, published in June 2025, India's installed renewable energy capacity rose from 64.04 watts per capita in 2014–15 to 156.31 watts per capita in 2024–25. This growth primarily supports which Sustainable Development Goal (SDG)?

A. SDG 7



B. SDG 13

C. SDG 9

D. SDG 12

Q91 General Awareness

From 1 May 2025, which of the following portals did the Reserve Bank of India (RBI) mandate stakeholders to use?

A. SAKSHAM Portal

B. SEVA Portal

C. VITARAN Portal

D. PRAVAAH Portal

**Q92 General Awareness**

In May 2025, which state/union territory government approved five cloud-seeding trials at an outlay of ₹3.21 crore to combat air pollution?

A. Punjab

B. Karnataka

C. West Bengal

D. Delhi



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Q93 General Awareness

What was India's overall score in the Corruption Perceptions Index (CPI) for the year 2024 released in February 2025?

A. 43

B. 36

C. 38



D. 41

Q94 General Awareness

Where was the first-ever International Big Cat Alliance (IBCA) Assembly held in India in June 2025?

A. Bhopal

B. New Delhi



C. Panaji

D. Pune

Q95 General Awareness

Where was the first-ever national conference of Urban Local Body Chairpersons across Indian States and UTs inaugurated by the Lok Sabha Speaker Shri Om Birla in July 2025?

A. Ahmedabad

B. Chandigarh

C. Gurugram



D. Noida

Q96 General Awareness

Which of the following coaches received the Dronacharya Award for para-shooting in 2025?

A. Deepali Deshpande

B. Subhash Rana



C. Sandeep Sangwan

D. S Muralidharan

Q97 General Awareness

When was the first Surya VHF radar reportedly handed over to the Indian Air Force?

A. February 2025

B. March 2025



C. January 2025

D. April 2025

Q98 General Awareness

Who among the following did Madison Keys defeat in the Australian Open 2025 final?

A. Aryna Sabalenka



B. Ons Jabeur

C. Naomi Osaka

D. Elena Rybakina

Q99 General Awareness

Which of the following airlines hosted the Power Creator Awards 2025?

A. Air India



B. SpiceJet

C. IndiGo

D. Vistara

Q100 General Awareness

Which scheme's Deep Tech vertical had launched nine projects by mid-2025, with industries collaborating through DRDO's Industry-Academia Centres of Excellence?

A. ADITI Scheme

B. Defence Testing Infrastructure Scheme (DTIS)

C. iDEX (Innovations for Defence Excellence)

D. Technology Development Fund (TDF)



General Science

25 Questions • Answer Key

Q1 General Science

Which of the following equations of motion is independent of the final velocity of a particle?

- A. $v = ut + a$
- B. $v^2 - u^2 = 2as$
- C. $v = u + at$
- D. $s = ut + \frac{1}{2}at^2$ ✓

Q2 General Science

Which of the following correctly explains why gases can be compressed easily compared to solids and liquids?

- A. Gases have high mass and density
- B. Gases do not occupy space
- C. Gases have low kinetic energy
- D. Gases have loosely packed particles with large intermolecular spaces ✓

Q3 General Science

A poultry farmer wants birds that consume less feed, tolerate high heat, and produce quality chicks. Which strategy should he follow?

- A. Use only indigenous birds
- B. Cross-breed exotic and local poultry ✓
- C. Shift to fish farming
- D. Feed birds twice a day

Q4 General Science

Which of the following sexually transmitted diseases is caused by a bacterium?

- A. Warts
- B. Typhoid
- C. HIV-AIDS
- D. Gonorrhoea ✓

Q5 General Science

Consider a ray of light travelling obliquely from air into a glass slab. Which of the following statement(s) is/are true?

- (i) The angle of incidence is smaller than the angle of refraction.
- (ii) The angle of incidence is greater than the angle of emergence.
- (iii) The speed of light decreases as the light ray enters from air to glass.
- (iv) The incident ray and the emergent ray are parallel to each other.

- A. Both (ii) and (iii)
- B. Both (iii) and (iv) ✓
- C. Both (i) and (ii)
- D. Both (i) and (iv)

Q6 General Science

In the context of carbon compounds, what characterises a 'branched chain' structure?

- A. Carbon atoms are bonded to four different atoms.
- B. Carbon atoms are arranged in a continuous, straight line.
- C. Carbon atoms form a closed ring structure.
- D. Carbon atoms are attached to the main carbon chain, forming side groups. ✓

Q7 General Science

What happens when a pendulum bob swings from its mean position to extreme position?

- A. Total energy decreases
- B. Potential energy increases, kinetic energy decreases ✓
- C. Both kinetic and potential energies increase
- D. Potential energy decreases, kinetic energy increases



Q8 General Science

Select the correct option regarding the following two statements labelled Assertion and Reason.

Assertion: Sound waves are non-mechanical waves.

Reason: Sound waves require a material medium for their propagation.

- A. Assertion is true but reason is false.
- B. Assertion is false but reason is true. ✓
- C. Both assertion and reason are true and reason is the correct explanation of assertion.
- D. Both assertion and reason are false.

Q9 General Science

In reproductive health, the aim of contraception is _____.

- A. to make twin babies
- B. to have more babies
- C. to prevent unplanned pregnancies ✓
- D. to make babies healthy

Q10 General Science

Which of the following metals is purified by distillation?

- A. Silver
- B. Copper
- C. Zinc ✓
- D. Iron

Q11 General Science

Which of the following correctly identifies an element that DOES NOT exist as a molecule in nature?

- A. Helium ✓
- B. Chlorine
- C. Hydrogen
- D. Iodine

Q12 General Science

The plant cell wall is primarily composed of:

- A. cellulose ✓
- B. chitin
- C. suberin
- D. N-Acetyl glucosamine

Q13 General Science

Which of the following statements is/are correct?

- a. Olfactory indicators are used to check the acidic or basic nature of a compound.
- b. Clove oil is an olfactory indicator.
- c. Clove oil is used to check the purity of any compound.

- A. a only
- B. a and b only ✓
- C. a, b and c
- D. a and c only

Q14 General Science

A bullet of small mass and high velocity can penetrate a target deeper than a heavy stone thrown at the same speed because:

- A. it is sharper
- B. it has less inertia ✓
- C. it has greater mass
- D. it is smaller in size

Q15 General Science

What is the product formed when ethene reacts with bromine?

- A. Ethane
- B. Bromoethane
- C. 1,2-dibromoethane ✓
- D. Ethanol

Q16 General Science

Two resistors of $15\ \Omega$ and $5\ \Omega$ are connected in series with a $12\ \text{V}$ battery. How much current will flow in the circuit?

- A. $0.5\ \text{A}$
- B. $0.65\ \text{A}$
- C. $0.6\ \text{A}$ ✓
- D. $0.45\ \text{A}$

Q17 General Science

Ethanol on heating at $443\ \text{K}$ in excess concentrated sulphuric acid gives ethene. The chemical change taking place is:

- A. reduction
- B. dehydration ✓
- C. oxidation
- D. halogenation



Q18 General Science

Which of the following is a process in which absorbed substances from alimentary canal is transported to different organs where they are used to build complex substances?

A. Transpiration

B. Assimilation



C. Photosynthesis

D. Digestion

Q19 General Science

Which of the following statements is true according to Thomson's Model of Atom?

A. Electrons are spread randomly in a positively charged sphere.



B. Electrons are attached to neutrons.

C. Electrons are concentrated in the nucleus.

D. Electrons are fixed in the orbits.

Q20 General Science

What is the effective diameter of the circular outline of a spherical lens called?

A. Aperture



B. Optical centre

C. Focal length

D. Radius of curvature

Q21 General Science

Which of the following statements best explains why hormonal contraceptive pills can have side effects?

A. They destroy the egg inside the ovary.

B. They prevent the sperm from reaching the egg mechanically.

C. They interfere with the body's immune system.

D. They disrupt the natural hormonal balance, affecting other physiological functions.

**Q22 General Science**

Why does growth in plants occur only in specific regions?

A. Gravity prevents growth in certain regions.

B. Only some parts of the plant receive sunlight.

C. Water reaches only the upper parts of the plant.

D. Meristematic tissue is located only in specific regions.

**Q23 General Science**

Which of the following is/are NOT consequence(s) of large dams?

A. Economic problems

B. Deforestation

C. Afforestation



D. Social problems

Q24 General Science

Archimedes' principle states that when a body is immersed in a fluid, it experiences _____.

A. An upward force equal to the weight of the body

B. An upward force equal to the weight of fluid displaced by the body



C. No change in its weight

D. A downward force equal to the weight of fluid displaced by the body

Q25 General Science

Which of the following is a characteristic property of a material?

A. Voltage

B. Current

C. Resistivity



D. Resistance



Q26 Mathematics

In a bag containing red, green and pink tokens, the ratio of red to green tokens was 9 : 6, while the ratio of pink to red tokens was 18 : 16. What was the ratio of green to pink tokens?

A. 17 : 28

B. 15 : 23

C. 16 : 27

D. 14 : 31

Q27 Mathematics

What would be the annual interest accrued on a deposit of ₹95,950 in a bank that pays a 9% per annum rate of simple interest?

A. ₹8,455.50

B. ₹8,035.50

C. ₹8,635.50

D. ₹8,855.50

Q28 Mathematics

Two trains are moving in opposite directions at speeds of 100 km/hr and 140 km/hr. The length of one train is 490 m. The time taken by them to cross each other is 22 seconds. The length (in m) of the other train, rounded off to 2 decimal places, is:

A. 974.27

B. 982.47

C. 976.67

D. 972.33

Q29 Mathematics

If an item marked at ₹594 is sold for ₹155, then what is the discount percentage? (Round off your answer to two decimal places).

A. 72.91%

B. 74.35%

C. 77.24%

D. 73.91%

Q30 Mathematics

The marked price of a bench is ₹374, which is 22% above the cost price. If the profit percentage is 13%, find the discount percentage (rounded off to two decimal places).

A. 7.38%

B. 8.91%

C. 6.66%

D. 6.94%

Q31 Mathematics

A and B working together can do a piece of work in 4 days. B alone can do the same work in 8 days. How long (in days) will A alone take to do double the work?

A. 19

B. 8

C. 16

D. 17

Q32 Mathematics

The ratio of the speeds of two trucks is 7 : 3. The time taken by the faster truck to cover a distance of 147 km is 7 hours less than the other. Find the speed of the slower truck.

A. 4 km/hr

B. 22 km/hr

C. 9 km/hr

D. 12 km/hr

Q33 Mathematics

A field in the shape of a trapezium has parallel sides of 60 m and 77 m. The non-parallel sides are 25 m and 26 m. What is the area of the field?

A. 1,720 m²B. 1,524 m²C. 1,644 m²D. 1,812 m²

Q34 Mathematics

A metal rod is divided into three parts, A, B and C. The lengths of A and B are in the ratio 4 : 8, and the lengths of C and B are in the ratio 10 : 18. If the difference between the lengths of A and C is 48 cm, determine the total length (in cm) of the metal rod.

A. 1764

B. 1176

C. 1798

D. 1782

Q35 Mathematics

The ratio of two numbers is 2 : 3 and their HCF is 6. Find their LCM.

A. 12

B. 18

C. 36

D. 32

Q36 Mathematics

A camp has provisions for 48 persons for 12 days. In how many days will the same provisions finish off if the strength of the camp is increased to 72 persons?

A. 6

B. 8

C. 11

D. 7

Q37 Mathematics

The price of a shirt is first increased by 18% and then decreased by 18%. What is the overall percentage decrease in its price?

A. 2.89%

B. 3.45%

C. 3.24%

D. 2.98%

Q38 Mathematics

A can complete a piece of work in 77 days. B is 75% less efficient than A. C is 40% more efficient than B. If B and C work together for 30 days, A alone will complete the remaining work in:

A. 57 days

B. 59 days

C. 54 days

D. 60 days

Q39 Mathematics

P is any point inside the rectangle ABCD. If PA = 79 cm, PB = 61 cm and PC = 17 cm, then the length of PD (in cm) is equal to:

A. 53

B. 54

C. 48

D. 57

Q40 Mathematics

Simplify: $(2x + 3)(x - 5) - (x - 2)(3x + 4)$

A. $-x^2 - 5x - 7$

B. $x^2 - 5x - 7$

C. $-x^2 - 5x + 7$

D. $-x^2 + 5x - 7$

Q41 Mathematics

If the total surface area of a cylinder is 4 times the area of two circular faces, and the volume of the cylinder is $192\pi\text{ cm}^3$, then the height of the cylinder is:

A. 9 cm

B. 8 cm

C. 12 cm

D. 16 cm

Q42 Mathematics

A class of 100 students took a Physics test. 37 students had an average score of 84. The other students had an average score of 96. What is the average score (rounded off to one decimal place) of the whole class?

A. 89.7

B. 97.5

C. 85.5

D. 91.6

Q43 Mathematics

If 20% of a number is added to 96, then the result is the same number. 75% of the same number is:

A. 110

B. 120

C. 100

D. 90



Q44 Mathematics

The price of fuel decreases by 20%, 30% and 20% in three successive months but increases by 40% in the fourth month. What is the percentage increase/decrease in the price of fuel in the fourth month as compared to its original price?

- A. Increases by 41.98%
- B. Increases by 36.01%
- C. Decreases by 37.28% ✓
- D. Decreases by 33.02%

Q45 Mathematics

A trader buys 80 pens at ₹8 each. He sells 60 of them at ₹12 each and the remaining at a 25% loss. What is the overall profit or loss?

- A. ₹200 Profit ✓
- B. ₹200 Loss
- C. ₹210 Profit
- D. ₹240 Loss

Q46 Mathematics

If the ratio of the present ages of Parul and her mother is 5 : 13 and the product of their ages is 585, find the ratio of their ages after 9 years.

- A. 1 : 2 ✓
- B. 4 : 7
- C. 3 : 5
- D. 2 : 5

Q47 Mathematics

The average age of 35 students of a class is 46 years. If the age of the teacher is also included, the average age of the whole group becomes 47 years. The age (in years) of the teacher is:

- A. 85
- B. 82 ✓
- C. 83
- D. 84

Q48 Mathematics

A point on the ground is at a distance equal to $\sqrt{3}$ times the height of a building from its base. What is the angle (in degrees) formed between the line joining the point to the top of the building and the ground?

- A. 60°
- B. 30° ✓
- C. 90°
- D. 45°

Q49 Mathematics

Simplify: $((342 \div 19 \times 306 \div 17) \div 36 \times 6) + (60 \div 5 \times 2 - 12)$

- A. 66 ✓
- B. 56
- C. 46
- D. 76

Q50 Mathematics

A water tank is $\frac{5}{8}$ full. If 12 buckets of water are taken out and 9 buckets of water are poured into it, the water tank would be $\frac{7}{12}$ full.

Find the number of buckets the water tank can contain.

- A. 96
- B. 48
- C. 72 ✓
- D. 60



Q51 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

36 41 51 66 86 ?

A. 107

B. 117

C. 100

D. 111

**Q52** General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

12 ? 29 39 50 62

A. 20



B. 22

C. 18

D. 16

Q53 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. WC-OL

B. SY-KH

C. HM-ZW



D. BH-TQ

Q54 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

DWV LED TML BUT ?

A. JCB



B. JBC

C. JIO

D. IBH

Q55 General Intelligence & Reasoning

A, B, C, D, E, F and G are sitting around a circular table, facing the centre. F sits second to the right of B. A sits third to the left of F. C is the immediate neighbour of E and A. G is not an immediate neighbour of B. How many people sit between D and E when counted from the left of D?

A. Three



B. Four

C. One

D. Two

Q56 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:

All flowers are plants.

Some plants are trees.

Conclusions:

(I) Some trees are flowers.

(II) All flowers are trees.

A. Both conclusions (I) and (II) follow.

B. Neither conclusion (I) nor (II) follows.



C. Only conclusion (I) follows.

D. Only conclusion (II) follows.

Q57 General Intelligence & Reasoning

Refer to the following series and answer the question (all numbers are single-digit numbers only).

(Left) 9 1 6 3 7 4 1 8 5 9 2 (Right)

How many such even numbers are there (from left to right), which are immediately followed by an even number?

A. Two

B. One

C. None



D. Three



Q58 General Intelligence & Reasoning

Refer to the following series and answer the question (all numbers are single-digit numbers only).

(Left) 2 8 1 5 7 9 4 2 3 8 6 1 (Right)

How many such odd numbers are there (from left to right) which are immediately followed by an even number?

A. Two



B. One

C. Three

D. More than three

Q59 General Intelligence & Reasoning

HN 9 is related to LK -3 in a certain way. In the same way, NY 4 is related to RV -8. To which of the given options is OU 13 related, following the same logic?

A. HU 5

B. SR 1



C. HY 3

D. TY 2

Q60 General Intelligence & Reasoning

Leander starts from Point A and drives 6 km towards east. He then takes a left turn, drives 4 km, turns left and drives 3 km. He then takes a right turn and drives 3 km. He takes a final left turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified)

A. 7 km towards south



B. 3 km towards south

C. 6 km towards west

D. 6 km towards north

Q61 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

510 511 500 501 491 492 ?

A. 481

B. 490

C. 483



D. 482

Q62 General Intelligence & Reasoning

Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north. Only six people sit to the right of C. Only four people sit to the left of B. D sits to the left of A but right of B. F sits second to the right of G. How many people sit to the right of E?

A. One

B. Four



C. Three

D. Two

Q63 General Intelligence & Reasoning

Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

PI-MF-KN

SL-PI-NQ

A. WO-SL-QU

B. VO-SL-QU

C. VO-SL-QT



D. WO-SK-QU

Q64 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

VDE97, BJK74, HPQ51, NVW28, ?

A. IBC5

B. TBC5



C. TBG5

D. TUC5

Q65 General Intelligence & Reasoning

Piya starts from point A and drives 33 km towards south. She then takes a right turn, drives 45 km, turns right and drives 41 km. She then takes a right turn and drives 56 km. She takes a final right turn, drives 8 km and stops at point P. How far (shortest distance) and towards which direction should she drive in order to reach point A again?

(Note: All turns are 90° turns only unless specified.)

A. 11 km to the west



B. 10 km to the west

C. 12 km to the east

D. 13 km to the east



Q66 General Intelligence & Reasoning

60 people are standing in a row facing north. Shivani is 40th from the right end while Sneha is 26th from the left end. How many people are there between Shivani and Sneha?

A. 1

B. 3

C. 2

D. 4

**Q67 General Intelligence & Reasoning**

If 'A' stands for '÷', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark '?' in the following equation?

25 C 15 A 3 D 9 B 3 = ?

A. 3



B. 4

C. 2

D. 1

Q68 General Intelligence & Reasoning

Refer to the following number, symbol series and answer the question. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) © @ 7 € \$ 5 \$ & * & 7 5 2 \$ 8 \$ © 7 © 4 6 £ (Right)

How many such symbols are there each of which is immediately preceded by a number and also immediately followed by a symbol?

A. Two

B. Five

C. Three



D. Four

Q69 General Intelligence & Reasoning

Yogesh ranked 34th from the top and 38th from the bottom in his class. How many students are there in his class?

A. 73

B. 70

C. 71



D. 72

Q70 General Intelligence & Reasoning

In a certain code language, 'steak equal thing' is coded as 'wb vl yn' and 'thing yard house' is coded as 'vl za ha'. How is 'thing' coded in the given language?

A. za

B. wb

C. vl



D. yn

Q71 General Intelligence & Reasoning

Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) ? * + ? \ & 3 # 9 % 4 1 6 * @ 5 4 8 8 \$ \ (Right)

How many such numbers are there, each of which is immediately preceded by another number and also immediately followed by a symbol?

A. Two



B. Three

C. One

D. Four

Q72 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the letter-cluster that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. UWR



B. WXT

C. STP

D. QRN



Q73 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements: All Tractors are Motorcycles. Some Motorcycles are Minivans. No Minivans are Hovercrafts.
Conclusion (I): Some Hovercrafts are Motorcycles
Conclusion (II): Some Minivans are Tractors

- A. Only conclusion (I) follows
- B. Only conclusion (II) follows
- C. Neither conclusion (I) nor (II) follows ✓
- D. Both conclusions (I) and (II) follow

Q74 General Intelligence & Reasoning

Seven people B, C, D, I, J, K and L are sitting in a straight line facing north. No one sits to the left of K. Only four people sit between K and J. L sits second to the left of J. D sits to the immediate left of B. C is not an immediate neighbour of L. How many people sit between L and C?

- A. Three
- B. Four
- C. Two ✓
- D. One

Q75 General Intelligence & Reasoning

In a code language,
A + B means 'A is the sister of B'
A - B means 'A is the father of B'
A * B means 'A is the brother of B'
A ÷ B means 'A is the mother of B'
Based on the above, how is P related to E if 'P - T * C + D ÷ E'?

- A. Mother's father ✓
- B. Brother
- C. Mother's brother
- D. Father's father

Q76 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(22, 66, 61)
(35, 105, 100)

- A. (74, 222, 216)
- B. (14, 42, 37) ✓
- C. (85, 255, 249)
- D. (41, 123, 117)

Q77 General Intelligence & Reasoning

Each of the digits in the number 1732596 is arranged in ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

- A. Three
- B. None
- C. One
- D. Two ✓

Q78 General Intelligence & Reasoning

In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.
WASH - HSWA - WSAH
CORE - ERCO - CROE

- A. INKS - SKIN - IKNS ✓
- B. LEAP - LAEP - PAEL
- C. FINE - ENFI - INFE
- D. DARE - ARDE - ARED

Q79 General Intelligence & Reasoning

In a certain code language, 'OVAL' is coded as '6729' and 'LEVO' is coded as '7946'. What is the code for 'E' in the given code language?

- A. 7
- B. 4 ✓
- C. 9
- D. 6



Q80 General Intelligence & Reasoning

What will come in place of the question mark (?) in the following equation, if '+' and '÷' are interchanged and '-' and 'x' are interchanged?

$$850 + 34 \times 15 - 12 \div 400 = ?$$

A. 240

B. 233

C. 245



D. 239

General Awareness

20 Questions • Answer Key

Q81 General Awareness

In 2025, the World Hindi Day was celebrated in India on which date?

A. 9 May

B. 17 February

C. 21 February

D. 10 January

**Q82 General Awareness**

What is the name of the initiative launched by Union Ministry of Tribal Affairs in June 2025, which is aimed at strengthening the delivery of tribal welfare schemes by training and inspiring a new generation of dedicated implementers?

A. Adi Varnada

B. Adi Vamsha

C. Adi Gotra

D. Adi Karmyogi

**Q83 General Awareness**

What is the new domain to which all banks must migrate by October 31, 2025, as per the directive of the Reserve Bank of India?

A. .bank.in



B. .gov.in

C. .fin.in

D. .rbi.in

Q84 General Awareness

Who became the 52nd Chief Justice of India on 14 May 2025?

A. Bhushan Ramkrishna Gavai



B. Sanjiv Khanna

C. Bidyut Ranjan Sarangi

D. Madan Lokur

Q85 General Awareness

Who received the UNESCO/Guillermo Cano World Press Freedom Prize in May 2025?

A. Maria Ressa

B. Mazen Darwish

C. Narges Mohammadi

D. La Prensa

**Q86 General Awareness**

What is the name of the Mega Disaster Management Drill conducted in the Delhi-NCR (National Capital Region) from 29 July to 1 August 2025?

A. Exercise Surakshit Bharat

B. Exercise Disaster Mitra

C. Exercise Suraksha Chakra



D. Exercise Raksha Kavach



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Q87 General Awareness

Who announced the ₹50,000 mass marriage incentive scheme for minorities in the Karnataka 2025–26 state budget?

- A. BS Yediyurappa
- B. Basavaraj Bommai
- C. Siddaramaiah ✓
- D. DK Shivakumar

Q88 General Awareness

When was the Retired Sportsperson Empowerment Training (RESET) Programme officially launched by the Ministry of Youth Affairs and Sports?

- A. 2023
- B. 2022
- C. 2025
- D. 2024 ✓

Q89 General Awareness

According to the StartupBlink Global Startup Ecosystem Index, 2025, which Indian city is top ranked among the world's top startup cities in 2025?

- A. Delhi
- B. Bengaluru ✓
- C. Pune
- D. Hyderabad

Q90 General Awareness

Which team was the runner-up in the 2025 Kalinga Super Cup?

- A. Bengaluru FC
- B. Jamshedpur FC ✓
- C. Kerala Blasters FC
- D. Hyderabad FC

Q91 General Awareness

As informed by Union Minister Dr. Jitendra Singh on 1 January 2025, India's biotechnology sector has experienced extraordinary growth, skyrocketing from a \$10 billion industry in 2014 to over ____ in 2024.

- A. \$80 billion
- B. \$140 billion
- C. \$130 billion ✓
- D. \$100 billion

Q92 General Awareness

In March 2025, under which of the following schemes did the government identify 100 coastal fishermen villages to be developed into Climate-Resilient Coastal Fishermen Villages?

- A. Blue Revolution Yojana
- B. Pradhan Mantri Matsya Sampada Yojana (PMMSY) ✓
- C. Kisan Samman Nidhi Yojana (KSNY)
- D. National Coastal Mission

Q93 General Awareness

Who set the world record for the farthest distance swum in 48 hours (female) in a 25 m pool, covering an astonishing 149.02 km (92.59 miles) in just 2 days?

- A. Sarah Thomas
- B. Katie Ledecky
- C. Karolina Szczepaniak ✓
- D. Diana Nyad

Q94 General Awareness

Which team was honoured as "Team of the Year" at the Laureus World Sports Awards in April 2025?

- A. Bayern Munich
- B. Real Madrid ✓
- C. Manchester City
- D. Flamengo

Q95 General Awareness

Which border check-post of India and Pakistan was closed by the Government of India, following the Pahalgam terror attack in April 2025?

- A. Khokhrapar-Munabao border
- B. Attari-Wagah border ✓
- C. Radcliffe Line
- D. Ganda Singh Wala-Hussainiwala border

Q96 General Awareness

As notified in June 2025, which among the following launched India's first-of-its-kind premium financing solution tailored for corporate insurance?

- A. Credit Access Life Insurance
- B. BimaPay Finsure ✓
- C. JM Financial Mutual Fund
- D. Reliance Nippon Life Insurance



Q97 General Awareness

According to the World Happiness Report, 2025, released in March 2025, which of the following countries ranked as the happiest country in the world?

- A. New Zealand
- B. Canada
- C. Switzerland
- D. Finland



Q98 General Awareness

In July 2025, which investigative authority unearthed over ₹24 crore in unaccounted assets in Karnataka?

- A. Income Tax Department
- B. Central Bureau of Investigation
- C. Enforcement Directorate
- D. Karnataka Lokayukta



Q99 General Awareness

In 2025, a state-of-the-art automated healthcare machine, a self-service digital health kiosk for basic testing and diagnostics, was installed at Lucknow. What is it called?

- A. Med Kiosk
- B. Health Pod
- C. Health ATM
- D. e-Clinic Booth



Q100 General Awareness

In 2025, where has India's first zoo-based wildlife bio bank been established?

- A. Padmaja Naidu Himalayan Zoological Park
- B. Nandankanan Zoological Park
- C. Nehru Zoological Park
- D. Mahendra Chaudhury Zoological Park



General Science

25 Questions · Answer Key

Q1 General Science

Colloidal particles are separated by:

- A. recrystallisation
- B. centrifugation ✓
- C. filtration
- D. boiling

Q2 General Science

What is the relationship between the incident ray and the emergent ray after light passes through the two parallel opposite faces of a rectangular glass slab?

- A. The emergent ray is parallel to the direction of the incident ray, but shifted sideward slightly ✓
- B. The emergent ray is perpendicular to the incident ray
- C. The emergent ray is reflected back along the path of the incident ray
- D. The emergent ray converges to a point on the principal axis

Q3 General Science

Which of the following statements are NOT true regarding the principal axis of a spherical mirror?

(i) It is an imaginary straight line passing through the pole and the centre of curvature of a spherical mirror.
(ii) Principal axis is normal to the mirror at its pole.
(iii) A ray parallel to the principal axis after reflection from the mirror passes through the centre of curvature of the mirror.
(iv) The focus of a spherical mirror does not lie on its principal axis.

- A. Both (i) and (ii)
- B. Both (i) and (iv)
- C. Both (ii) and (iii)
- D. Both (iii) and (iv) ✓

Q4 General Science

How is molecular mass calculated?

- A. Adding all atomic masses of the atoms in molecule ✓
- B. Adding all atomic volumes of the atoms present
- C. By squaring atomic numbers of all elements
- D. Multiplying atomic radii of constituent elements

Q5 General Science

Which of the following metallic oxides can be reduced to metals by heating alone?

- A. Manganese oxide
- B. Iron (III) oxide
- C. Mercuric oxide ✓
- D. Zinc oxide

Q6 General Science

Which of the following meristems is responsible for the lengthwise growth at the ends of shoots and roots?

- A. Permanent meristem
- B. Intercalary meristem
- C. Apical meristem ✓
- D. Lateral meristem

Q7 General Science

Which of the following metals reacts most vigorously with water?

- A. Iron
- B. Lead
- C. Zinc
- D. Sodium ✓

Q8 General Science

A fluid filled in a container exerts pressure _____ at the same height.

- A. only downward
- B. only upward
- C. equally in all directions of the container ✓
- D. only on the sides

Q9 General Science

What is the purpose of a plug key in an electrical circuit?

- A. It measures the current flowing through a circuit.
- B. It provides potential difference in a circuit.
- C. It helps in connecting and disconnecting a circuit. ✓
- D. It measures the potential difference in a circuit.



Q10 General Science

Which of the following is NOT a contraceptive method?

- A. Preventing sperm from reaching the egg by using condoms
- B. Aborting the foetus** ✓
- C. Inserting Copper-T into the uterus
- D. Altering hormonal balance to prevent release of eggs from the ovary

Q11 General Science

A person pushes a massive, stationary object (like a parked truck) with force F . The object pushes back with force $-F$. Why does the object NOT accelerate if the reaction force is equal and opposite, as suggested by the Third Law?

- A. The magnitude of the force F is insufficient to overcome the object's inherent potential energy.
- B. The forces act instantaneously, preventing momentum change.
- C. The net force on the object is zero because the action and reaction forces cancel out.
- D. The action and reaction forces act on different objects, but the static friction on the stationary object balances the applied push force F .** ✓

Q12 General Science

Which of the following correctly describes how potential difference between two points is calculated?

- A. Potential difference = Charge $\times$ Work done
- B. Potential difference = Charge $\div$ Work done
- C. Potential difference = Work done $\div$ Charge** ✓
- D. Potential difference = Work done $\times$ Potential energy

Q13 General Science

Which of the following methods is commonly used to prevent the corrosion of iron?

- A. Heating the metal repeatedly
- B. Cooling the metal with water regularly
- C. Dissolving the metal in acid
- D. Coating the metal with paint or oil** ✓

Q14 General Science

When solid lead(II) nitrate is heated, a yellow residue (PbO) is left behind and two gases are evolved — one is reddish-brown and the other supports combustion. Which gases are evolved?

- A. Nitrogen gas and carbon dioxide
- B. Nitrogen dioxide and oxygen** ✓
- C. Nitrogen dioxide and hydrogen
- D. Nitric oxide and oxygen

Q15 General Science

At higher levels of the atmosphere, which of the following shields the surface of the earth from ultraviolet radiation?

- A. Hydrogen
- B. Carbon
- C. Ozone** ✓
- D. Nitrogen

Q16 General Science

Match the common name of the bee with its scientific name.

Column I (Common Name).	Column II (Scientific Name)
1. Indian bee	A. <i>Apis mellifera</i>
2. Rock bee	B. <i>Apis cerana indica</i>
3. Little bee	C. <i>Apis dorsata</i>
4. Italian bee	D. <i>Apis florea</i>

- A. 1-B, 2-C, 3-D, 4-A** ✓
- B. 1-C, 2-D, 3-B, 4-A
- C. 1-A, 2-B, 3-C, 4-D
- D. 1-D, 2-A, 3-C, 4-B

Q17 General Science

As Newton is to weight, _____ is to pressure.

- A. Kelvin
- B. Kilogram per cubic metre
- C. Kilogram
- D. Pascal** ✓



Q18 General Science

Which one of the following is an advantage of vegetative propagation in flowering plants?

- A. They can flower and fruit later than those produced by seeds.
- B. They can show completely new characters than those produced by seeds.
- C. They are completely different from their parent plants.
- B. They can flower and fruit earlier than those produced by seeds. ✓

Q19 General Science

The shortest distance between the initial and final positions of an object is called _____.

- A. acceleration
- B. distance
- C. displacement ✓
- D. speed

Q20 General Science

How does the sound of a patient's heartbeat travel from the chest piece to the doctor's ear through a stethoscope?

- A. By multiple reflection of sound ✓
- B. By conversion to electrical signals
- C. By direct transmission without reflection
- D. By refraction of sound waves

Q21 General Science

Work done by a force is said to be positive when:

- A. the angle between force and displacement is 90°
- B. the displacement of the body is zero
- C. the force has a component in the direction of displacement ✓
- D. the force opposes the motion of the body

Q22 General Science

Which organelle is called the 'suicidal bag' of the cell?

- A. Golgi body
- B. Lysosome ✓
- C. Ribosome
- D. Mitochondria

Q23 General Science

Which of the following statements about cell size is correct?

- A. Cell size is related to its function, not the size of the organism. ✓
- B. Cell size depends on the number of nuclei.
- C. Cell size is always large in multicellular organisms.
- D. All cells are of the same size in all organisms.

Q24 General Science

In Mendel's experiment, what did he observe in the F1 generation when he crossed a tall (TT) and a short pea (tt) plant?

- A. All were medium height
- B. Half were tall, half was short
- C. All were short
- D. All were tall ✓

Q25 General Science

Which process is used to prepare sodium hydroxide from brine?

- A. Solvay process
- B. Electrolysis of brine ✓
- C. Thermal decomposition of NaCl
- D. Haber process

Mathematics

25 Questions • Answer Key

Q26 Mathematics

A sum of money is to be distributed among A, B, C and D in the ratio of $17 : 3 : 9 : 6$. If C gets ₹294 more than B, then how much did A receive?

- A. ₹833 ✓
- B. ₹836
- C. ₹834
- D. ₹835

Q27 Mathematics

The sum of two numbers is 26. The bigger number is greater than the smaller number by 4. Find the bigger number.

- A. 15 ✓
- B. 13
- C. 21
- D. 18



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Q28 Mathematics

Ranjeet sold an article for ₹582, earning a profit of 20%. What was the cost price (in ₹) of the article?

A. 480

B. 485



C. 495

D. 490

Q29 Mathematics

A sum of money was invested at simple interest at a certain rate for 3 years. Had it been invested at a 4% per annum higher rate, it would have fetched ₹360 more. Find the principal.

A. ₹3,500

B. ₹3,200

C. ₹3,000



D. ₹2,800

Q30 Mathematics

The arithmetic mean of the observations 29, 48, 65, 32, 72, 63, 64, 18 and 14 is:

A. 45



B. 38

C. 40

D. 43

Q31 Mathematics

P is any point inside the rectangle ABCD. If $PA = 73$ cm, $PB = 57$ cm and $PC = 99$ cm, then the length of PD (in cm) is equal to:

A. 112

B. 103

C. 105

D. 109

**Q32 Mathematics**

For a trip of 600 km, a truck travels the first 300 km at a speed of 40 km/hr. At what speed (in km/hr) should it cover the remaining distance, so that the average speed is 70 km/hr?

A. 260

B. 295

C. 255

D. 280

**Q33 Mathematics**

Paul, Ryan and Max can finish a certain piece of work in 15, 14 and 21 days, respectively. All three of them started the work together. Paul left the work after 5 days and Ryan left just 3 days before the work was completed. Find the total number of days taken for the work to be completed.

A. 7.4



B. 11.2

C. 3.7

D. 10.1

Q34 Mathematics

The cost of a washing machine is 50% less than the cost of a TV. If the cost of the washing machine increases by 60% and that of the TV decreases by 11%, what is the percentage change in the total cost of 6 washing machines and 2 TVs?

A. Decrease by 29%

B. Increase by 31.6%



C. Decrease by 33%

D. Increase by 26%

Q35 Mathematics

The ratio of the present ages of Anu and Bina is 4 : 5. After 6 years from now, the ratio becomes 5 : 6. Find Bina's present age (in years).

A. 32

B. 20

C. 25

D. 30

**Q36 Mathematics**

The marked price of a bookshelf is ₹572, which is 40% above the cost price. If the profit percentage is 2%, find the discount percentage (rounded off to two decimal places).

A. 25.22%

B. 29.72%

C. 27.14%



D. 28.83%



Q37 Mathematics

Find the value of $x^2 + 3x + 5$ when $x = 2$.

- A. 13
- B. 17
- C. 19
- D. 15

**Q38 Mathematics**

The average of first 9 multiples of 4 is:

- A. 9
- B. 20
- C. 18
- D. 4

**Q39 Mathematics**

The diagonals of a rhombus are in the ratio 3 : 4, and the perimeter is 100 cm. Find the area (in cm^2) of the rhombus.

- A. 625
- B. 600
- C. 550
- D. 650

**Q40 Mathematics**

Nishi travels to a shopping mall at a speed of 21 km/hr and returns at a speed of 77 km/hr. What is her average speed (in km/hr) for the entire journey?

- A. 33
- B. 39
- C. 23
- D. 34

**Q41 Mathematics**

Smart Bazaar is offering Buy 16, get 9 free on household items. What is the net percentage discount being offered by the Smart Bazaar?

- A. 33%
- B. 36%
- C. 34%
- D. 39%

**Q42 Mathematics**

A, B and C can complete a piece of work in 3, 5 and 15 days, respectively. How long (in days) will they take to complete thrice the same work, working together?

- A. 6
- B. 15
- C. 10
- D. 5

**Q43 Mathematics**

If a seven-digit number 78p3945 is divisible by 11, then the value of 'p' is:

- A. 3
- B. 4
- C. 6
- D. 5

**Q44 Mathematics**

2 men can do a piece of work in 2 days. How many men will do it in 4 days?

- A. 3
- B. 4
- C. 1
- D. 2

**Q45 Mathematics**

Simplify the given expression.

$$18 + 3 \text{ of } (24 \div 8 \times 2) - 6$$

- A. 16.5
- B. 36
- C. 30
- D. 24

**Q46 Mathematics**

A metal rod is divided into three parts, A, B and C. The lengths of A and B are in the ratio 9 : 14, while the lengths of C and B are in the ratio 10 : 13. If the difference between the lengths of A and C is 23 cm, find the total length (in cm) of the metal rod.

- A. 429
- B. 455
- C. 439
- D. 424



Q47 Mathematics

Find the value of $\sin 45^\circ \times \operatorname{cosec} 45^\circ$.

A. $\sqrt{2}$

B. 1

C. 0

D. $\frac{1}{\sqrt{2}}$

**Q48** Mathematics

If 50% of 20% of $\frac{2}{3}$ of a number is 686, find the number.

A. 11840

B. 14190

C. 10150

D. 10290

**Q49** Mathematics

A cubical block of wood of side 14 cm is surmounted by a hemisphere of the largest possible diameter. What is the total surface area (in cm^2) of the solid thus formed? (Use $\pi = \frac{22}{7}$)

A. 1484

B. 1296

C. 1176

D. 1330

**Q50** Mathematics

$\frac{1}{20}$ is what percentage of $\frac{2}{80}$?

A. 210%

B. 215%

C. 400%

D. 200%



Q51 General Intelligence & Reasoning

Seven boxes A, B, C, D, I, J and K are kept one over the other but not necessarily in the same order. Only A is kept above I. Only two boxes are kept between I and C. Only K is kept below J. D is not kept immediately above C. How many boxes are kept between B and K?

A. Two



B. One

C. Three

D. Four

Q52 General Intelligence & Reasoning

Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north.

Only 2 people sit to the right of F. Only 3 people sit between F and A. Both E and C are immediate neighbours of G. D sits immediately to the left of B. C is not an immediate neighbour of A.

How many people sit between D and E?

A. 1

B. 2

C. 4

D. 3

**Q53** General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 6 1 7 6 8 5 2 7 6 9 2 3 4 8 3 6 2 5 9 4 1 7 6 8 3 1 9
(Right)

How many such even digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

A. Three

B. Two

C. More than three



D. One

Q54 General Intelligence & Reasoning

Find the missing number in the series 4, 16, 36, 64, 100, ?

A. 144



B. 150

C. 100

D. 120

Q55 General Intelligence & Reasoning

Vinay ranked 48th from the top and 15th from the bottom in his class. How many students are there in his class?

A. 61

B. 63

C. 62



D. 60

Q56 General Intelligence & Reasoning

Mr. Zzz starts from Point A and drives 21 km towards the West. He then takes a left turn, drives 5 km, turns right and drives 7 km. He then takes a right turn and drives 11 km. He takes a final right turn, drives 28 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified).

A. 5 km to the North

B. 8 km to the East

C. 6 km to the South



D. 7 km to the West

Q57 General Intelligence & Reasoning

What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$151 \div 5 + 72 \times 3 - 17 = ?$$

A. 747

B. 748



C. 745

D. 746

Q58 General Intelligence & Reasoning

If + means -, - means x, x means ÷, ÷ means +, then what will come in place of the question mark (?) in the following equation?

$$45 - 4 \div 4 + 32 \times 8 = ?$$

A. 184

B. 182

C. 178

D. 180



Q59 General Intelligence & Reasoning

HJEI is related to OQLP in a certain way based on the English alphabetical order. In the same way, JLGK is related to QSNR. To which of the following is LNIM related, following the same logic?

A. SUPT



B. USPT

C. SUTP

D. USTP

Q60 General Intelligence & Reasoning

ABCD is related to DDJJ in a certain way based on the English alphabetical order. In the same way, MJEB is related to PLLH. To which of the given options is VPZT related, following the same logic?

A. YGHJ

B. YRGZ



C. YRTJ

D. YREW

Q61 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). (Counting to be done from left to right only.)

(Left) 4 8 2 8 2 3 8 3 1 3 9 1 7 3 9 7 6 2 6 6 6 8 2 (Right)

How many such even numbers are there, each of which is immediately preceded by an even number and also immediately followed by an odd number?

A. Three

B. One



C. Four

D. Two

Q62 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(13, 14, 6)

(39, 28, 25)

A. (23, 16, 16)

B. (48, 82, 7)



C. (11, 16, 4)

D. (42, 40, 23)

Q63 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. FM - IP

B. JQ - LI



C. MT - PW

D. LS - OV

Q64 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

68 64 56 44 28 ?

A. 18

B. 21

C. 12

D. 8

**Q65 General Intelligence & Reasoning**

A, B, C, D, E, F and G are sitting around a circular table facing the centre. D sits second to the left of G. B sits second to the left of D. C sits to the immediate right of A. E sits third to the left of C. How many people sit between E and F when counted from the left of E?

A. Three

B. One



C. Four

D. Two



Q66 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows. (All numbers are single digit numbers only.) (Counting to be done from left to right only.)

(Left) 5 3 2 9 7 2 4 5 4 3 6 4 3 9 8 3 3 3 2 8 8 9 3 4 5 7 6
(Right)

How many such odd numbers are there each of which is immediately preceded by an odd number and also immediately followed by an even number?

A. 9

B. 8

C. 7

D. 6

**Q67 General Intelligence & Reasoning**

Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north.

Only five people sit between D and F. G sits to the immediate left of F. Only one person sits between G and A. B sits at some place to the left of C but at some place to the right of E.

How many people sit to the right of A?

A. 4

B. 3



C. 1

D. 2

Q68 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

PPR MQT JRV GSX ?

A. DTT

B. KJY

C. DTZ



D. ZDR

Q69 General Intelligence & Reasoning

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

Some cats are pets.

All pets are animals.

Conclusions:

(I) Some cats are animals.

(II) No animals are pets.

A. Only conclusion (I) follows



B. Only conclusion (II) follows

C. Both conclusions (I) and (II) follow

D. Neither conclusion (I) nor (II) follows

Q70 General Intelligence & Reasoning

Mr. Akai starts from Point A and drives 9 km towards east. He then takes a left turn, drives 7 km, turns left and drives 32 km. He then takes a left turn and drives 18 km. He then takes a left turn, drives 21 km, turns left and drives 5 km. He takes a final right turn, drives 2 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified)

A. 4 km to the north

B. 6 km to the south

C. 8 km to the east

D. 6 km to the north

**Q71 General Intelligence & Reasoning**

In a certain code language,

A + B means 'A is the son of B',

A - B means 'A is the brother of B',

A x B means 'A is the wife of B', and

A ÷ B means 'A is the father of B'.

Based on the above, how is D related to J if 'D x F - G ÷ H + J'?

A. Brother's daughter

B. Brother's wife

C. Husband's brother's wife



D. Husband's brother's daughter



Q72 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. HL – DE



B. UY – QS

C. CG – YA

D. DH – ZB

Q73 General Intelligence & Reasoning

GL 9 is related to IH -8 in a certain way. In the same way, MR 4 is related to ON -13. To which of the given options is NS 13 related, following the same logic?

A. PO -4



B. LP -5

C. BH -1

D. UH -3

Q74 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

300 285 270 255 240 ?

A. 221

B. 224

C. 225



D. 223

Q75 General Intelligence & Reasoning

What will come in the place of '?' in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$114 \div 7 - 42 \times 2 + 43 = ?$

A. 776



B. 778

C. 774

D. 772

Q76 General Intelligence & Reasoning

In a certain code language, 'way hen wet' is coded as 'ir wj ry' and 'seed desk way' is coded as 'wj kk bm'. How is 'way' coded in that language?

A. ry

B. ir

C. wj



D. kk

Q77 General Intelligence & Reasoning

Refer to the given number series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 3 5 4 9 7 1 1 6 4 2 3 2 3 3 4 2 7 8 6 8 8 5 6 1 2 9 2

(Right)

How many such odd numbers are there each of which is immediately preceded by an odd number and also immediately followed by an even number?

A. 2

B. 3



C. 5

D. 4

Q78 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some plants are vegetables.

All buds are vegetables.

Conclusions:

(I): Some plants are buds.

(II): All vegetables are buds.

A. Only conclusion (I) follows

B. Both conclusions (I) and (II) follow

C. Neither conclusion (I) nor (II) follows



D. Only conclusion (II) follows

Q79 General Intelligence & Reasoning

In a certain code language, 'stop disturbing people' is coded as 'ls ck rp' and 'people need peace' is coded as 'cd ok rp'. How is 'people' coded in that language?

A. ck

B. rp



C. cd

D. ok



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Q80 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

DER109, PQD91, BCP73, NOB55, ?

A. SAN37

B. ZAM37

C. ZAN37



D. ZEN37

General Awareness

20 Questions • Answer Key

Q81 General Awareness

In July 2025, which of the following states of India launched the Smart Mosquito Surveillance System ("SMoSS"), to track and control mosquito populations more efficiently and safely?

A. Punjab

B. Gujarat

C. Andhra Pradesh



D. Jharkhand

Q82 General Awareness

As announced on June 17, 2025, which of the following institutes have developed a novel one-step colloidal synthesis method for fabricating PEGylated semi-shells (SS) with nano-cup morphology at room temperature to treat cancer?

A. Institute of Nano Science and Technology (INST), Raebareli

B. Institute of Nano Science and Technology (INST), Dehradun

C. Institute of Nano Science and Technology (INST), Chandigarh

D. Institute of Nano Science and Technology (INST), Mohali

**Q83 General Awareness**

Which Indian city was the first to issue a Certified Green Municipal Bond?

A. Ghaziabad



B. Kochi

C. Chennai

D. Indore

Q84 General Awareness

According to the 'Ramsar Information Sheet' published in February 2025, which bird sanctuary in Tamil Nadu has been designated as a Ramsar site?

A. Sakkarakottai Bird Sanctuary



B. Okhla Bird Sanctuary

C. Kolleru Bird Sanctuary

D. Manjira Bird Sanctuary

Q85 General Awareness

As per Ministry of Earth Sciences, the number of seismic observatories in India increased from 80 in 2014 to how many in February 2025?

A. 118

B. 142

C. 98

D. 168

**Q86 General Awareness**

The 32nd Elets World Education Summit was hosted by which country in April 2025?

A. South Africa

B. India

C. United Kingdom

D. United Arab Emirates



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Q87 General Awareness

Which book, launched at the Raisina Dialogue 2025, focuses on water credits as a market-based mechanism for sustainable water management?

A. Trading Blue Gold: A Blueprint for Water Credit Valuation in India ✓

B. Guardian of Heritage

C. Sashakt Bharat

D. Memories and Milestones

Q88 General Awareness

In June 2025, a stampede occurred near which stadium in Bengaluru?

A. Barabati Stadium

B. MA Chidambaram Stadium

C. Rajiv Gandhi International Stadium

D. M Chinnaswamy Stadium ✓

Q89 General Awareness

In September 2025, which region planned to establish a dedicated women police station in each district for enhanced safety?

A. Mumbai Suburban District

B. Each District in Uttar Pradesh

C. All Districts of West Bengal

D. Each of Delhi's 15 Districts ✓

Q90 General Awareness

Who won the Women's Singles title at the Australian Open 2025?

A. Madison Keys ✓

B. Aryna Sabalenka

C. Coco Gauff

D. Iga Swiatek

Q91 General Awareness

Who is the director of the movie Chhaava, which was released in February 2025?

A. Fahadh Faasil

B. Prithviraj Sukumaran

C. Laxman Utekar ✓

D. Anurag Kashyap

Q92 General Awareness

What is the revised policy repo rate announced by the Reserve Bank of India in April 2025?

A. 6.25%

B. 5.75%

C. 6.50%

D. 6.00% ✓

Q93 General Awareness

Who threw 90.23 m in javelin at the Doha Diamond League, 2025, setting a record?

A. Neeraj Chopra ✓

B. Annu Rani

C. Shivpal Singh

D. Sachin Yadav

Q94 General Awareness

According to Union Budget 2025–26, which mission was launched to document and conserve India's manuscript heritage?

A. Gyan Bharatam Mission ✓

B. Granth Sanrakshan Abhiyan

C. Saraswati Archive Project

D. Kala Sampada Mission

Q95 General Awareness

According to a news update on 9 June 2025, the High Seas Treaty will enter into force 120 days after it is ratified by how many countries?

A. 75

B. 60 ✓

C. 30

D. 45

Q96 General Awareness

In 2025, which male field athlete joined Usain Bolt as the only track-and-field winners of Laureus Sportsman of the Year?

A. Max Verstappen

B. Novák Djokovic

C. Carlos Alcaraz

D. Mondo Duplantis ✓



Q97 General Awareness

Who presided over the 10th Governing Council Meeting of NITI Aayog in New Delhi on 24 May 2025?

- A. Smt. Nirmala Sitharaman
- B. Shri. Rajnath Singh
- C. Shri. Amit Shah
- D. Shri. Narendra Modi



Q98 General Awareness

During WAVES 2025, Odisha CM mentioned India's indigenous sports gaining global recognition. Which summit was this statement made at?

- A. Global Sports Expo India
- B. World Audio Visual and Entertainment Summit
- C. Bharat Sports Conclave
- D. Khelo India Youth Games



Q99 General Awareness

The Karnataka Amendment Bill, 2025 proposes punishment for what practice, even before an actual child marriage takes place?

- A. Minor engagement
- B. Minor adoption
- C. Minor migration
- D. Minor labour



Q100 General Awareness

What is the name of the weapon system engineered to neutralise threats posed by coordinated drone swarms, which was successfully developed and tested by Solar Defense and Aerospace Limited (SDAL) in May 2025?

- A. Bhargavastra
- B. Brahmastra
- C. Shivastra
- D. Bheemastra



General Science

25 Questions • Answer Key

Q1 General Science

An object is thrown straight up and reaches a maximum height of 20 m. If we take $g = 10 \text{ m/sec}^2$, what was the initial speed of the object when it was thrown?

- A. 40 m/sec
- B. 10 m/sec
- C. 30 m/sec
- D. 20 m/sec



Q2 General Science

What is the main function of the vas deferens in the male reproductive system?

- A. Transporting sperm from the epididymis to the urethra
- B. Regulating body temperature
- C. Sperm production
- D. Seminal fluid secretion



Q3 General Science

Which plastids contain pigments that give plants their yellow, orange or red colours?

- A. Leucoplasts
- B. Chloroplasts
- C. Chromoplasts
- D. Amyloplasts



Q4 General Science

Which of the following correctly defines the amplitude of a wave?

- A. The number of vibrations per second
- B. The speed with which the wave travels
- C. The distance between two consecutive crests
- D. The maximum displacement of the particle from its mean position



Q5 General Science

An atom has 11 protons, 11 electrons and 12 neutrons. What is the mass number of that atom?

- A. 24
- B. 12
- C. 11
- D. 23



Q6 General Science

An object is placed 30 cm in front of a concave mirror of focal length 15 cm. What will be the image distance v ?

- A. -30 cm
- B. +30 cm
- C. -15 cm
- D. +15 cm



Q7 General Science

A machine does 'W' joule work in time 't' seconds. The power 'P' watt of the machine is given correctly by which of the following relations?

- A. $P = W \times t$
- B. $P = W2t$
- C. $P = W/t$
- D. $P = W2/t$



Q8 General Science

Which of the following observations confirms that a solution is acidic?

- A. Methyl orange: yellow, Phenolphthalein: pink, Litmus: blue
- B. Methyl orange: red, Phenolphthalein: pink, Litmus: red
- C. Methyl orange: yellow, Phenolphthalein: colourless, Litmus: blue
- D. Methyl orange: red, Phenolphthalein: colourless, Litmus: red



Q9 General Science

Which gas is mainly responsible for the greenhouse effect and is released when fossil fuels are burned?

A. Carbon dioxide



B. Oxygen

C. Nitrogen

D. Hydrogen

Q10 General Science

If tall (T) is dominant over short (t), and round seeds (R) are dominant over wrinkled (r), identify the genotype of a plant that shows short height and round seeds.

A. ttRR



B. TtRr

C. TtRR

D. Ttrr

Q11 General Science

What is the role of lysosomes in a cell?

A. To transport products

B. To digest foreign material



C. To produce ATP

D. To store proteins

Q12 General Science

Which of the following is NOT considered an organic compound?

A. Sodium carbonate (Na_2CO_3)



B. Ethanol ($\text{C}_2\text{H}_5\text{OH}$)

C. Methane (CH_4)

D. Acetic acid (CH_3COOH)

Q13 General Science

A net horizontal force of 20 N acts on a 4 kg block initially at rest for 5 s. What is the block's final speed?

A. 25 m/s



B. 30 m/s

C. 20 m/s

D. 50 m/s

Q14 General Science

Which of the following ensures genetic variation in sexually reproducing animals?

A. Gametes are formed by mitosis

B. Only one parent is involved

C. Offspring receive genes from both parents



D. Fertilisation occurs inside the body

Q15 General Science

Based on function, which of the following combinations represent all types of animal tissues found in humans?

A. Epithelial tissue, Connective tissue, Muscular tissue and Nervous tissue



B. Epithelial tissue, Connective tissue and Reproductive tissue

C. Epithelial tissue, Connective tissue and Skeletal tissue

D. Epithelial tissue, Muscular tissue and Glandular tissue

Q16 General Science

Which property of isobars is always different?

A. Atomic number



B. Total number of electrons

C. Total number of nucleons

D. Mass number

Q17 General Science

According to Bohr's Model of atom, electrons revolve around the nucleus in _____.

A. straight lines

B. elliptical path

C. random path

D. discrete orbits

**Q18 General Science**

Two wires of the same material have equal lengths but their cross-sectional areas are in the ratio 1 : 4. The ratio of their resistances will be:

A. 4 : 1



B. 1 : 4

C. 1 : 1

D. 1 : 2



Q19 General Science

Which of the following is a key goal of conserving forests and biodiversity?

- A. To promote tourism
- B. To expand national parks
- C. To preserve inherited biodiversity ✓
- D. To allow more industrial use of forests

Q20 General Science

Which of the following statements is INCORRECT about uniform motion?

- A. The velocity remains unchanged
- B. The speed varies continuously with time ✓
- C. The body covers equal distances in equal intervals of time
- D. The acceleration is zero

Q21 General Science

During the process of electrolytic refining of metals, on passing the current through the electrolyte, the impure metal from the _____ dissolves into the electrolyte.

- A. both anode and cathode
- B. cathode
- C. salt bridge
- D. anode ✓

Q22 General Science

Which of the following statements is true about magnetic field lines?

- A. Field lines intersect at poles.
- B. Field lines inside a magnet move from north to south.
- C. Magnetic field is weaker where lines are close.
- D. Field lines outside a magnet move from north to south. ✓

Q23 General Science

What is the formula of formic acid?

- A. $C_2H_4O_2$
- B. $HCOOH$ ✓
- C. C_2H_6O
- D. C_2H_5OH

Q24 General Science

Which of the following statements is NOT correct?

- A. In a prism, the emergent ray bends towards the base of the prism when the incident ray is coming from the base side.
- B. In a prism, dispersion can occur if white light is used.
- C. In a prism, the incident ray and emergent ray are always parallel. ✓
- D. The angle of deviation is the angle between the incident ray and emergent ray.

Q25 General Science

Which of the following carbon compounds burns with a blue, non-sooty flame under normal conditions?

- A. Ethanol ✓
- B. Diesel
- C. Kerosene
- D. Charcoal

Mathematics

25 Questions • Answer Key

Q26 Mathematics

A ladder is leaning against a wall, making an angle of 60° with the ground. If the foot of the ladder is 5 m away from the wall, find the length of the ladder.

- A. 12 m
- B. 15 m
- C. 20 m
- D. 10 m ✓

Q27 Mathematics

Pushpraj and Himani together invested ₹34,100 in a business. At the end of the year, out of a total profit of ₹5,400, Pushpraj's share was ₹2,700. What was the investment of Pushpraj?

- A. ₹18,870
- B. ₹15,505
- C. ₹17,260
- D. ₹17,050 ✓



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Q28 Mathematics

The arithmetic mean of the observations 42, 97, 57, 62, 52, 13, 44, 23 and 69 is:

- A. 44
- B. 45
- C. 51
- D. 48

**Q29 Mathematics**

Three numbers are in the ratio 17 : 12 : 6 and the sum of these numbers is 1820. Find the middle number.

- A. 621
- B. 622
- C. 623
- D. 624

**Q30 Mathematics**

A and B working together can do a piece of work in 4 days. B alone can do the same work in 20 days. How long (in days) will A alone take to do double the work?

- A. 11
- B. 10
- C. 5
- D. 13

**Q31 Mathematics**

The marked price of a chair is ₹7,600, which is 25% above the cost price. It is sold at a discount of 4% on the marked price. Find the profit percentage.

- A. 19%
- B. 21%
- C. 20%
- D. 22%

**Q32 Mathematics**

The cost of a washing machine is 50% less than the cost of a TV. If the cost of the washing machine increases by 83% and that of the TV decreases by 38%, then what is the percentage change in the total cost of 8 washing machines and 4 TVs?

- A. Increase by 22.5%
- B. Increase by 26%
- C. Decrease by 27%
- D. Decrease by 19%

**Q33 Mathematics**

The perimeter (in cm) of a right-angled triangle whose sides that make the right angle are 18 cm and 24 cm, is:

- A. 79
- B. 60
- C. 72
- D. 68

**Q34 Mathematics**

Raju walks to his office 3.5 km away from home. In the morning, he covers the distance in 1.5 hours, whereas, while returning home in the evening, he takes 30 more minutes to cover the same distance. Find his average speed (in km/hr) during the two-way journey.

- A. 2.5
- B. 2
- C. 3
- D. 3.5

**Q35 Mathematics**

If 20% of a number is added to 78, then the result is the same number. 80% of the same number is:

- A. 78
- B. 108
- C. 88
- D. 98

**Q36 Mathematics**

The ratio of the present ages of two cousins is 3 : 2. After 6 years, the ratio will become 5 : 4. What was the sum of their ages (in years) 4 years ago?

- A. 5
- B. 7
- C. 11
- D. 9

**Q37 Mathematics**

In quadrilateral PQRS, the bisectors of $\angle R$ and $\angle S$ meet at the point T (inside the quadrilateral) and $\angle STR = 13.5^\circ$. If the ratio of $\angle P$ to $\angle Q$ is 4 : 5, then what is the difference between the measures of $\angle Q$ and $\angle P$?

- A. 8°
- B. 4°
- C. 3°
- D. 5°



Q38 Mathematics

If the ratio of two numbers is 7 : 8, and their HCF is 32, then their LCM is:

A. 1792



B. 1809

C. 1833

D. 1783

Q39 Mathematics

A five digit number 761xy is divisible by 90. Find (x + y).

A. 5

B. 9

C. 4



D. 10

Q40 Mathematics

The salary of a person was decreased by 30% and subsequently increased by 30% for 2 years. What is the percentage change in the salary?

A. Decrease of 34.5%

B. Decrease of 28.9%

C. Increase of 18.3%



D. Increase of 21.7%

Q41 Mathematics

What would the annual interest accrued on a deposit of ₹3,500 in a bank that pays a 17% per annum rate of simple interest be?

A. ₹595



B. ₹545

C. ₹615

D. ₹495

Q42 Mathematics

A fruit seller purchases lemons at 2 for a rupee and sells them at 5 for three rupees. Find his profit percentage.

A. 20



B. 24

C. 18

D. 22

Q43 Mathematics

The product of two consecutive odd numbers is 16383. Which is the smaller one?

A. 129

B. 125

C. 127



D. 123

Q44 Mathematics

A train 1439 m long is running at 36 km/hr. How long will it take to clear a 1331 m long platform completely?

A. 282 seconds

B. 272 seconds

C. 277 seconds



D. 281 seconds

Q45 Mathematics

A dealer allowed a 73% discount on an article and was still able to manage a 56% profit. Find the ratio of the cost price to listed price.

A. 6 : 57

B. 12 : 54

C. 12 : 59

D. 9 : 52

**Q46 Mathematics**

6 men can complete a piece of work in 5 days while 2 women can do it in 15 days. In how many days can 3 women and 3 men complete it?

A. 15 days

B. 4 days

C. 5 days



D. 14 days



Q47 Mathematics

Simplify the following:

$$\frac{5^{3x+4} + 125^{x+1}}{125^{x+1} - 5^{3x+2}}$$

A. 8

B. 5

C. 7.5



D. 10

Q48 MathematicsSimplify: $x^2 - (3x - 2)(x + 5)$ A. $-x^2 - 13x + 10$ B. $2x^2 - 13x + 10$ C. $-2x^2 - 11x + 10$ D. $-2x^2 - 13x + 10$ **Q49** Mathematics

Find the area of a triangle whose sides are in the ratio 28 : 23 : 35 and its perimeter is 516 cm.

A. $720\sqrt{258} \text{ cm}^2$ B. $650\sqrt{367} \text{ cm}^2$ C. $540\sqrt{319} \text{ cm}^2$ D. $420\sqrt{217} \text{ cm}^2$ **Q50** MathematicsIf the mean and mode are equal for the given data. Find x ($x < 6$).

Class Interval	15-25	25-35	35-45
Quantity	6	10	x

A. 3

B. 2

C. 4



D. 1



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Q51 General Intelligence & Reasoning

If each of the digits in the number 243178569 is arranged in descending order from left to right, then what will be the sum of the digits which are second from the right and third from the left in the new number thus formed?

A. 16

B. 10

C. 9



D. 14

Q52 General Intelligence & Reasoning

Mayank starts from Point A and drives 9 km towards the East. He then takes a left turn, drives 6 km, turns left and drives 17 km. He then takes a left turn and drives 15 km. He takes a final left turn, drives 8 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified).

A. 8 km to the South

B. 9 km to the North



C. 9 km to the South

D. 8 km to the North

Q53 General Intelligence & Reasoning

In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

GIFT - IFGT - TFIG

LAND - ANLD - DNAL

A. WEPT - EPWT - EPTW

B. SOLD - SLOD - DLOS

C. FLAG - LAFG - GALF



D. FISH - IFSH - HISF

Q54 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

99 87 75 63 51 ?

A. 36

B. 37

C. 38

D. 39

**Q55** General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

621 623 627 633 641 ?

A. 645

B. 649

C. 647

D. 651

**Q56** General Intelligence & Reasoning

A, B, C, R, S, T and U are sitting around a circular table, facing the centre of the table. R sits to the immediate left of U. B sits to the immediate left of C. C sits second to the left of T. A sits third to the left of U. Who sits third to the right of S?

A. C

B. A



C. U

D. T

Q57 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 1 3 5 2 7 1 9 5 1 7 8 4 2 5 7 6 6 5 3 4 7 2 1 7 7 4 9

(Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

A. Six

B. Five



C. Seven

D. Four



Q58 General Intelligence & Reasoning

Seven boxes M, N, O, P, Q, R and S are kept one over the other but not necessarily in the same order. Only two boxes are kept below S. Only one box is kept above Q. Only one box is kept between Q and P. R is kept immediately above N. O is kept at some place below M. How many boxes are kept between M and R?

A. Two

B. Three

C. One

D. Four

**Q59 General Intelligence & Reasoning**

In a row of people all facing north, Aftab is 18th from the right end. Apoorva is 28th from the right end. Apoorva is exactly between Aftab and Piyali. If Piyali is 12th from the left end of the line, how many people are there in the row?

A. 49



B. 47

C. 46

D. 48

Q60 General Intelligence & Reasoning

In a certain code language, 'VAIL' is coded as '6598' and 'OVAL' is coded as '8619'. What is the code for 'O' in the given code language?

A. 1



B. 6

C. 8

D. 9

Q61 General Intelligence & Reasoning

Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) # € % # 6 & 4 * 9 6 @ 5 % @ # © 8 # % * £ 2 (Right)

How many such numbers are there each of which is immediately preceded by a symbol and also immediately followed by a symbol?

A. 5

B. 6

C. 8

D. 4

**Q62 General Intelligence & Reasoning**

If + means - , - means x , x means ÷ , ÷ means + , then what will come in place of the question mark (?) in the following equation?

$$15 - 10 \div 4 + 20 \times 5 = ?$$

A. 146

B. 152

C. 150



D. 148

Q63 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(18, 15.7, 19.2)

(24, 21.7, 25.2)

A. (9, 6.7, 11.2)

B. (28, 25.7, 28.2)

C. (31, 28.7, 32.2)



D. (37, 34.7, 39.2)

Q64 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some cars are vehicles.

All vehicles are machines.

Conclusions

(I): Some machines are cars.

(II): No cars are machines.

A. Neither conclusion (I) nor (II) follows

B. Only conclusion (I) follows



C. Both conclusions (I) and (II) follow

D. Only conclusion (II) follows



Q65 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All pathways are roads.
No pathway is a garden.

Conclusions:

(I): Some gardens are roads.
(II): All roads are gardens.

A. Both conclusions (I) and (II) follow

B. Neither conclusion (I) nor (II) follows

C. Only conclusion (II) follows

D. Only conclusion (I) follows

Q66 General Intelligence & Reasoning

Seven people, B, C, D, I, J, K and L, are sitting around a circular table facing the centre of the table. L sits third to the left of I. Only one person sits between K and B when counted from the left of B. C sits third to the right of D. C sits to the immediate right of L. J is not an immediate neighbour of L. How many people sit between J and B when counted from the right of J?

A. Three

B. Two

C. Four

D. One

Q67 General Intelligence & Reasoning

A, B, C, D, W, X and Y are sitting around a circular table facing the centre of the table.

A sits fourth to the left of Y. W sits fourth to the right of C. Only two people sit between Y and C when counted from the left of Y. X is not an immediate neighbour of W or Y. D is not an immediate neighbour of X. Who sits third to the right of B?

A. A

B. Y

C. C

D. D

Q68 General Intelligence & Reasoning

Mr. Zzz starts from Point A and drives 8 km towards east. He then takes a right turn, drives 11 km, turns right and drives 17 km. He then takes a right turn and drives 21 km. He takes a final right turn, drives 9 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only, unless specified.)

A. 13 km to the east

B. 12 km to the west

C. 11 km to the north

D. 10 km to the south

Q69 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. GK-EI

B. CG-AD

C. KO-IL

D. EI-CF

Q70 General Intelligence & Reasoning

In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

BLUE - LBUE - ELBU

TWIN - WTIN - NWTI

A. URGE - RUGE - RGEU

B. FOUR - OFUR - ROFU

C. READ - ERAD - DEAR

D. POST - PSOT - TSOP

Q71 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

8 18 30 44 ? 78

A. 60

B. 70

C. 65

D. 50



Q72 General Intelligence & Reasoning

If + means $\times$, $\times$ means $\div$ and $\div$ means +, then what will come in place of the question mark (?) in the following equation?

$$113 - 9 \div 17 + 519 \times 3 = ?$$

A. 869

B. 861



C. 852

D. 858

Q73 General Intelligence & Reasoning

Refer to the following number, symbol series and answer the question. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) % € € % 6 £ 3 & 1 £ 4 5 7 2 2 & & 9 & 8 8 * (Right)

How many such symbols are there each of which is immediately preceded by a number and also immediately followed by a number?

A. 5

B. 3

C. 6

D. 4

**Q74 General Intelligence & Reasoning**

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

QIS38, SLQ42, UOO46, ?

A. WRM50



B. XRN50

C. WSM49

D. XSN49

Q75 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

MEW154, SKC131, YQI108, EWO85, ?

A. KDU62

B. KCU62



C. KCV62

D. LCU62

Q76 General Intelligence & Reasoning

In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

FOUR - ORUF - RUOF

TENS - ESNT - SNET

A. YEAR - EYAR - REAY

B. RUST - RSUT - TSUR

C. PLUG - LGUP - GULP



D. CUPS - UCPS - SUPC

Q77 General Intelligence & Reasoning

In a certain code language,

P @ Q means 'P is the husband of Q',

P # Q means 'P is the brother of Q',

P & Q means 'P is the mother of Q', and

P % Q means 'P is the sister of Q'.

Based on the above, how is D related to E if 'D # S @ Z & M % E'?

A. Father's brother



B. Wife's father

C. Father's sister

D. Mother's father

Q78 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. PS-MQ

B. NQ-KO

C. JM-GL



D. LO-IM



Q79 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). (Counting to be done from left to right only.)

(Left) 1 9 6 4 8 8 9 8 7 7 6 5 8 3 4 3 7 5 9 15 2 7 11 5 9
(Right)

How many such even numbers are there each of which is immediately preceded by an odd number and also immediately followed by an odd number?

A. 5



B. 7

C. 4

D. 6

Q80 General Intelligence & Reasoning

A group of numbers/symbols is coded using letter codes as per the codes given below and the conditions that follow. The correct combination of codes following the conditions is your answer.

Note: If none of the conditions apply, then the codes for the respective number/symbol are to be followed directly as given in the table.

Numbers/symbols	%	8	2	\$	6	3	+	7	@	9	*	5	#	4
Codes	S	D	R	P	K	H	L	G	B	U	C	N	W	Q

Conditions:

(i) If both the second and third elements are perfect squares, the codes for these two (the second and third elements) are to be interchanged.

(ii) If the first element and the third element are even numbers, these two (the first and third elements) are to be coded as &.

(iii) If both the second and third elements are multiples of 3, the third element is to be coded as the code for the second element.

What will be the code for the following group?

\$ 9 6 @ 7

A. P U U B G



B. & U & B G

C. P K K B G

D. G U K B P

General Awareness

20 Questions • Answer Key

Q81 General Awareness

Which of the following organised the Summer Book Writing Festival in 2025?

A. Penguin India

B. HarperCollins

C. Random House

D. BriBooks

**Q82 General Awareness**

Who is the Chairperson of the 16th Finance Commission of India?

A. Arvind Panagariya



B. N. K. Singh

C. Suman Bery

D. Raghuram Rajan



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Q83 General Awareness

Which of the following novels won the 2025 Pulitzer Prize for Fiction?

- A. Feeding Ghosts
- B. James
- C. Native Nations
- D. Every Living Thing

**Q84 General Awareness**

Which athlete won the Arjuna Award for boxing in January 2025?

- A. Nikhat Zareen
- B. Parveen Hooda
- C. Saweety Boora
- D. Lovlina Borgohain

**Q85 General Awareness**

Who among the following was appointed as Executive Director of the Reserve Bank of India in March 2025 to look after Department of Statistics and Information Management and Financial Stability Department?

- A. Dr. V Anantha Nageswaran
- B. Dr. Urjit Patel
- C. Dr. Swaminathan J
- D. Dr. Ajit Ratnakar Joshi

**Q86 General Awareness**

World Environment Day was observed on 5 June 2025 with a special focus to end which of the following?

- A. Mercury Pollution
- B. E waste Pollution
- C. Plastic Pollution
- D. Sewage Pollution

**Q87 General Awareness**

On 20th May, 2025, the Supreme Court (SC) reinstated the requirement of how many years of legal practice for law graduates to apply for civil judge (junior division) posts, reversing its 2002 decision?

- A. 3 years
- B. 4 years
- C. 5 years
- D. 2 years

**Q88 General Awareness**

What was the name of the bilateral naval exercise between the Indian Navy and the French Navy held in March 2025?

- A. MITRA
- B. DOSTANA
- C. EKUVERIN
- D. VARUNA

**Q89 General Awareness**

Who scored the highest individual score in a single innings during IPL 2025?

- A. Mitchell Marsh
- B. Rishabh Pant
- C. KL Rahul
- D. Abhishek Sharma

**Q90 General Awareness**

India is drafting its first comprehensive framework, National Adaptation Plan (NAP), to be submitted to the United Nations Framework Convention on Climate Change (UNFCCC) by September 2025 in compliance with the _____.

- A. Montreal Convention
- B. Cartagena Protocol
- C. Paris Agreement
- D. Kyoto Protocol

**Q91 General Awareness**

How many prototypes of the Advanced Medium Combat Aircraft (AMCA) does India plan to develop before starting series production?

- A. Five
- B. Six
- C. Four
- D. Three

**Q92 General Awareness**

Which party won the by-election to the Visavadar Assembly Constituency (Gujarat) in June 2025?

- A. Bhartiya Janata Party
- B. Aam Aadmi Party
- C. Indian National Congress
- D. Bahujan Samaj Party



Q93 General Awareness

Which of the following countries hosted the largest yoga session with over 1.5 million participants in 2025?

- A. USA
- B. Nepal
- C. India
- D. UAE

**Q94 General Awareness**

In June 2025, the Department of Financial Services (DFS), Ministry of Finance, convened a high-level meeting co-chaired by M Nagaraju, Secretary, Department of Financial Services and T Rabi Sankar, Deputy Governor, RBI at New Delhi, on scaling up ULI. What is the full form of ULI?

- A. Unique Lending Index
- B. Universal Loan Identifier
- C. Urban Lending Interface
- D. Unified Lending Interface

**Q95 General Awareness**

Which country was ranked highest for gender equality in the Global Gender Gap Report, 2025, released by the World Economic Forum in May 2025?

- A. Sweden
- B. Germany
- C. Iceland
- D. Norway

**Q96 General Awareness**

In which of the following cities was the inauguration of the Recognition of Prior Learning – Certification in Indian Sign Language Interpretation (RPL–CISLI) programme held in August 2025?

- A. Lucknow
- B. New Delhi
- C. Chennai
- D. Ahmedabad

**Q97 General Awareness**

Which Indian state topped the 'Environment' theme in the State of States rankings of the State of India's Environment 2025 report released by the Centre for Science and Environment (CSE)?

- A. Uttar Pradesh
- B. Andhra Pradesh
- C. Madhya Pradesh
- D. Himachal Pradesh

**Q98 General Awareness**

Who set the men's 10,000 m record of 27:00.22 at TEN 2025 meet?

- A. Shivnath Singh
- B. Gulveer Singh
- C. Avinash Sable
- D. Jinson Johnson

**Q99 General Awareness**

According to the India BioEconomy Report 2025, how much is India's BioEconomy valued at in 2024?

- A. \$250.2 billion
- B. \$300.6 billion
- C. \$100.4 billion
- D. \$165.7 billion

**Q100 General Awareness**

Which among the following civic suggestions did Karnataka's Deputy Chief Minister give in September 2025 to improve governance quality in Bengaluru?

- A. Pay taxes, declare assets, hide nothing
- B. Volunteer audit committees
- C. Monthly public grievance meets
- D. Citizen rating system for officials



General Science

25 Questions • Answer Key

Q1 General Science

Which of the following is in accordance with Law of constant proportions?

- a. In water, the ratio of the mass of hydrogen to the mass of oxygen is always 1 : 8.
- b. The ratio of carbon and oxygen in carbon dioxide is always 3 : 8 by mass.
- c. In ammonia, nitrogen and hydrogen are always present in the ratio 14 : 1 by mass.

- A. a, b and c
- B. Only a
- C. Only b and c
- D. Only a and b



Q2 General Science

An electric heater of resistance $20\ \Omega$ operates for 10 minutes when connected to a 220 V supply. The heat produced is:

- A. $1.45 \times 10^6\ \text{J}$
- B. $1.45 \times 10^5\ \text{J}$
- C. $2.9 \times 10^5\ \text{J}$
- D. $2.9 \times 10^4\ \text{J}$



Q3 General Science

What is the exact location of the kidneys in human beings?

- A. In the chest region, just below the heart
- B. In the chest region, on either side of the lungs
- C. In the abdomen, on either side of the back bone
- D. In the abdomen, on either side of the intestine



Q4 General Science

Which of the following statements is correct for the mass and weight of an object?

- A. Mass is variable and Weight is constant
- B. Mass is constant and Weight is variable
- C. Both Mass and Weight are constant
- D. Both Mass and Weight are variable



Q5 General Science

Fleming's Left-Hand Rule is used to determine the direction of motion in an electric motor. Which finger represents the direction of the force or motion?

- A. Index finger
- B. Middle finger
- C. Thumb
- D. Little finger



Q6 General Science

The removal of which of the following weeds from agricultural land will be beneficial for farmers?

- A. Wheat
- B. Parthenium
- C. Soybean
- D. Sunflower



Q7 General Science

Which of the following is a part of the human male reproductive system?

- A. Uterus
- B. Prostate gland
- C. Vagina
- D. Fallopian tube



Q8 General Science

Which of the following is an example of growing two or more crops simultaneously on the same land field in a definite pattern?

- A. Hydroponics
- B. Monocropping
- C. Inter-cropping
- D. Aeroponics



Q9 General Science

A solution is said to be stable when:

- A. the solute particles float on the surface of solution when left undisturbed
- B. the solute particles do not settle down when left undisturbed ✓
- C. the solute particles settle down when left undisturbed
- D. the solute particle forms a separate layer with solvent particles

Q10 General Science

A swimmer pushes water backwards. The reaction force that propels the swimmer forward is:

- A. Water pushes the swimmer backward
- B. Gravity pushes the swimmer forward
- C. Air pushes the swimmer
- D. Water pushes the swimmer forward ✓

Q11 General Science

A person is standing in a bus that suddenly stops. The person tends to fall forward. Which of the following laws of motion is directly responsible for this phenomenon?

- A. Newton's First Law of Motion. ✓
- B. Newton's Third Law of Motion.
- C. The Law of Conservation of Momentum.
- D. Newton's Second Law of Motion.

Q12 General Science

Which of the following is NOT a part of the structural organisation of a cell?

- A. Heart ✓
- B. Cell wall
- C. Cytoplasm
- D. Mitochondria

Q13 General Science

When a hydrocarbon is burnt in excess of air, the final product is always:

- A. carbon monoxide and hydrogen
- B. carbon dioxide and hydrogen
- C. carbon monoxide and water
- D. carbon dioxide and water ✓

Q14 General Science

Why is variation primarily important in a population of organisms?

- A. It always gives instant result within the same generation.
- B. It increases the chance of survival under changing environmental conditions ✓
- C. It ensures that all individuals are identical
- D. It helps organisms reproduce faster

Q15 General Science

Consider the unbalanced reaction:



Which of the following is the correct set of coefficients to balance this equation?

- A. 1, 5, 3, 4
- B. 2, 5, 4, 6
- C. 1, 3, 2, 3
- D. 2, 7, 4, 6 ✓

Q16 General Science

Which of the following statements defines Formula Unit?

- A. Mass of one molecule
- B. Sum of atomic masses of all atoms in the formula unit of an ionic compound ✓
- C. Mass of one mole of a compound
- D. Mass of an atom

Q17 General Science

Nucleons are subatomic particles found inside the atom. They consist of:

- A. only neutrons
- B. protons and neutrons ✓
- C. only protons
- D. electrons

Q18 General Science

Roots of which of the following plants can give rise to new plants?

- A. Maize
- B. Potato
- C. Gram
- D. Sweet potato ✓



Q19 General Science

Neutralisation reaction is best described as _____.

- A. Acid + Metal $\rightarrow$ Salt + Hydrogen
- B. Acid + Salt $\rightarrow$ Water
- C. Base + Oxide $\rightarrow$ Salt + Water
- D. Acid + Base $\rightarrow$ Salt + Water ✓

Q20 General Science

Due to presence of which particle, does Rough Endoplasmic Reticulum (RER) look rough under a microscope?

- A. Centrosome
- B. Lysosome
- C. Ribosome ✓
- D. Peroxisome

Q21 General Science

When the velocity of a body is increased to twice its original value, its kinetic energy becomes _____.

- A. twice the original value
- B. the same as before
- C. four times the original value ✓
- D. half the original value

Q22 General Science

What is used as the anode during electrolytic refining?

- A. An inert electrode
- B. A rod of graphite
- C. A strip of impure metal to be refined ✓
- D. A strip of pure metal to be refined

Q23 General Science

Which of the following is responsible for the dispersion of white light through a glass prism?

- A. Different colours of light travel at the same speed in glass.
- B. The prism absorbs some colours.
- C. White light contains only one colour.
- D. Different colours of light travel at different speeds in glass. ✓

Q24 General Science

Compared to a soft sound, a louder sound wave of the same frequency is characterised by _____.

- A. Higher pitch
- B. Larger amplitude ✓
- C. Smaller speed
- D. Smaller wavelength

Q25 General Science

The band of seven colours obtained on a screen due to dispersion is called _____.

- A. Spectrum ✓
- B. Shadow
- C. Image
- D. Reflection pattern

Mathematics

25 Questions • Answer Key

Q26 Mathematics

If a 1533 m long train crosses a pole in 73 seconds, then find the time (in seconds) taken by the train to cross a 420 m long platform.

- A. 86
- B. 84
- C. 96
- D. 93 ✓

Q27 Mathematics

The sides of a triangle are 75 cm, 34 cm and 61 cm. What is the length of its altitude corresponding to the side with the length of 34 cm?

- A. 68 cm
- B. 20 cm
- C. 60 cm ✓
- D. 63 cm



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Q28 Mathematics

Pushpraj and Himani together invested ₹17,800 in a business. At the end of the year, out of a total profit of ₹5,600, Pushpraj's share was ₹2,100. What was the investment of Pushpraj?

A. ₹4,720

B. ₹7,690

C. ₹6,090

D. ₹6,675

**Q29 Mathematics**

A credit card payment that will settle a bill for 250 mixers at ₹1,014 per mixer with successive discounts of 30% and 15%, with a further discount of 20% on card payment, is:

A. ₹1,20,678

B. ₹1,20,664

C. ₹1,20,696

D. ₹1,20,666

**Q30 Mathematics**

The cost price of an article is ₹10,720. It was sold for ₹9,862.40. Find the loss percentage.

A. 5%

B. 10%

C. 6%

D. 8%

**Q31 Mathematics**

In a family consisting of a father, mother, son, and daughter, the age difference between the son and the daughter is 3 years, which is the same as the age difference between the father and the mother. The total age of the family is 144 years. The father is the eldest and the son is the youngest. The son's age is half the age of the mother. What is the age (in years) of the daughter?

A. 26



B. 23

C. 20

D. 22

Q32 Mathematics

A 24-metre-long wire is broken into three pieces. The largest piece has length thrice the length of the smallest piece. The difference between lengths of two larger pieces is equal to the difference between the lengths of two smaller pieces. The length of the largest piece is ____ metres.

A. 18

B. 15

C. 12



D. 10

Q33 Mathematics

Find the total prime numbers between 146 and 196.

A. 13

B. 11

C. 10



D. 12

Q34 Mathematics

In a bag containing red, green and pink tokens, the ratio of red to green tokens was 14 : 8 while the ratio of pink to red tokens was 2 : 6. What was the ratio of green to pink tokens?

A. 12 : 7



B. 9 : 11

C. 7 : 12

D. 11 : 14

Q35 Mathematics

A solid metallic sphere of radius 10.5 cm is melted and recast into smaller spherical balls, each of radius 3.5 cm. Find the ratio of the total surface area of all the smaller spheres to the surface area of the original sphere.

A. 12 : 1

B. 9 : 1

C. 3 : 1



D. 6 : 1



Q36 Mathematics

The average age of 35 students of a class is 13 years. If the age of the teacher is also included, the average age of the whole group becomes 14 years. The age (in years) of the teacher is:

A. 53

B. 51

C. 47

D. 49

**Q37 Mathematics**

If 20% of a number is added to 72, then the result is the same number. 80% of the same number is:

A. 82

B. 102

C. 92

D. 72

**Q38 Mathematics**

If an item marked at ₹4,000 is sold for ₹280, then what is the discount percentage?

A. 93%



B. 91%

C. 94%

D. 95%

Q39 Mathematics

The income of Raman is ₹12,000. He saves 27% of his income. If his income increases by 20% and expenditure increases by 15%, then his savings will:

A. decrease by ₹1,089

B. increase by ₹1,088

C. decrease by ₹1,085

D. increase by ₹1,086

**Q44 Mathematics**

If $(a-1)^3 + (a-4)^3 + (a-7)^3 = 3(a-1)(a-4)(a-7)$, find the value of a .

A. -4

B. 1

C. 4

D. -1

**Q40 Mathematics**

The amount on a sum of ₹7,700 at 10% per annum compound interest, compounded annually, in 2 years will be:

A. ₹10,109

B. ₹9,317



C. ₹8,936

D. ₹9,494

Q41 Mathematics

A woman travelled at a speed of 20 m/min for 80 min, and at a speed of 55 m/min for 60 min. Her average speed (in m/min) is:

A. 28

B. 41

C. 39

D. 35

**Q42 Mathematics**

If mode of data 8, 7, 8, 7, 9, 10, 2, 8, 9, 7, 5, 10 and x is 7, then the value of x is:

A. 7



B. 9

C. 5

D. 8

Q43 Mathematics

A, B and C can do a piece of work in 3, 2 and 6 days, respectively. How long (in days) will they take to do thrice the same work, working together?

A. 6

B. 4

C. 3



D. 9



Q45 Mathematics

If the area of a rectangle is 195 cm^2 and length is 15 cm , then find the perimeter of rectangle.

A. 56 cm



B. 58 cm

C. 52 cm

D. 54 cm

Q46 Mathematics

$\frac{1}{20}$ is what percentage of $\frac{10}{70}$?

A. 50%

B. 35%



C. 45%

D. 70%

Q47 Mathematics

There are two wooden sticks of length 57 m and 399 m , respectively. The sticks are to be cut into pieces of equal length. What is the greatest possible length of each stick?

A. 57 m



B. 59 m

C. 56 m

D. 58 m

Q48 Mathematics

Aman can do $\frac{1}{6}$ th of a piece of work in 13 days and Chaman can do $\frac{1}{7}$ th of the same work in 19 days. Find the number of days taken to complete the work if both work together. (Rounded off to one decimal place)

A. 49.2



B. 54.5

C. 51.6

D. 46.3

Q49 Mathematics

Find the value of $\frac{\sin 80^\circ}{\cos 10^\circ} - \sin 57^\circ \sec 33^\circ + 2$.

A. 2



B. 0

C. 1

D. 3



Q50 Mathematics

A teacher is preparing 15 identical exam folders. Each folder contains: 8 question sheets, 6 answer sheets, and a booklet that includes $\left[\frac{27-3}{6} + 4\right]$ additional pages. How many total sheets and pages does the teacher prepare for all 15 folders?

A. 360

B. 330

C. 134

D. 270

**General Intelligence & Reasoning**

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers only.)

(Left) 2 3 8 17 9 17 7 5 3 7 8 6 9 6 9 2 5 1 9 1 (Right)

How many such even digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

A. One

B. Two

C. Three

D. Four

**Q52 General Intelligence & Reasoning**

Tanay ranked 24th from the top and 56th from the bottom in his class. How many students are there in his class?

A. 78

B. 80

C. 77

D. 79

**Q53 General Intelligence & Reasoning**

What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$104 - 176 \times 16 \div 9 + 192 = ?$$

A. 11

B. 14

C. 12

D. 18

**Q54 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

15 17 21 23 27 ?

A. 31

B. 29

C. 33

D. 30

**Q55 General Intelligence & Reasoning**

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some shade are roof.

All ceiling are roof.

Conclusions:

(I): Some shade are ceiling.

(II): All roof are ceiling.

A. Only conclusion (I) follows.

B. Only conclusion (II) follows.

C. Both conclusions (I) and (II) follow.

D. Neither conclusion (I) nor (II) follows.



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Q56 General Intelligence & Reasoning

ZWRM is related to WRUR in a certain way based on the English alphabetical order. In the same way, NCDG is related to KXGL. To which of the following options is ENMV related, following the same logic?

- A. BPLO
- B. BAPL
- C. BIPA
- D. BIAP

**Q57 General Intelligence & Reasoning**

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- A. YE – DT
- B. IO – ND
- C. KQ – QE
- D. RX – WM

**Q58 General Intelligence & Reasoning**

Sumedha ranked 9th from the top and 23rd from the bottom in his class. How many students are there in the class?

- A. 31
- B. 27
- C. 35
- D. 37

**Q59 General Intelligence & Reasoning**

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(39, 117, 13)
(48, 99, 1)

- A. (35, 138, 24)
- B. (19, 106, 24)
- C. (8, 42, 10)
- D. (27, 117, 21)

**Q60 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

1211 1212 1215 1210 1219 1208 ? 1206 1227

- A. 1225
- B. 1220
- C. 1223
- D. 1227

**Q61 General Intelligence & Reasoning**

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- A. MNP
- B. FHI
- C. XYA
- D. EFH

**Q62 General Intelligence & Reasoning**

Refer to the following number, symbol series and answer the question. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 5 \$ 5 7 \$ \$ @ & * € 3 # 8 # \$ 5 © 7 £ 4 & * (Right)

How many such numbers are there each of which is immediately preceded by a number and also immediately followed by a symbol?

- A. Three
- B. One
- C. Two
- D. Zero

**Q63 General Intelligence & Reasoning**

What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$409 \div 2 + 416 \times 8 - 76 = ?$

- A. 843
- B. 841
- C. 844
- D. 842



Q64 General Intelligence & Reasoning

In a certain code language, 'nice large land' is coded as 'cd ak pi', 'land is fertile' is coded as 'rf pc ak', and 'cost is high' is coded as 'si ig pc'. How is 'fertile' coded in the given language?

A. rf



B. pc

C. ak

D. cd

Q65 General Intelligence & Reasoning

LW 3 is related to QV -10 in a certain way. In the same way, JU 6 is related to OT -7. To which of the following is PU 4 related, following the same logic?

A. YT -2

B. KO -5

C. UT -9



D. HU -4

Q66 General Intelligence & Reasoning

A, B, C, D, E, F and G are sitting around a circular table facing the centre.

B sits to the immediate right of C. Only three people sit between B and A when counted from the left of B. Only three people sit between C and D when counted from the left of C. G sits to the immediate right of F. How many people sit between A and C when counted from the right of C?

A. 2

B. 4

C. 1

D. 3

**Q67 General Intelligence & Reasoning**

In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

JOBS - JSBO - SBOJ

OILY - OYLI - YLIO

A. GAVE - AGVE - EAVG

B. IDEA - IDAE - DEAI

C. EARN - ENRA - NRAE



D. KIDS - KDIS - SDIK

Q68 General Intelligence & Reasoning

In a certain code language,
'A ? B' means 'A is the daughter of B'
'A = B' means 'A is the son of B'
'A @ B' means 'A is the father of B'
'A √ B' means 'A is the sister of B'

Based on the above, how is C related to L if 'C = D √ E ? F @ L'?

A. Mother's brother

B. Sister's son



C. Brother's son

D. Son

Q69 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some pillows are mats.

Some mats are cushions.

Conclusions:

(I): Some pillows are cushions.

(II): All cushions are mats.

A. Neither conclusion (I) nor (II) follows



B. Only conclusion (II) follows

C. Both conclusions (I) and (II) follow

D. Only conclusion (I) follows

Q70 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 1 2 4 5 7 2 9 6 7 3 4 1 6 6 9 8 4 7 6 1 7 3 4 9 7 (Right)

How many such numbers are there, each of which is immediately preceded by a perfect square and also immediately followed by an odd number?

(Note: 1 is also a perfect square)?

A. One

B. Two

C. Four



D. Three



Q71 General Intelligence & Reasoning

Shubham starts from Point A and drives 10 km towards West. He then takes a right turn, drives 8 km, turns right and drives 14 km. He then takes a right turn and drives 12 km. He takes a final right turn, drives 4 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified)

A. 4 km to the North



B. 4 km to the South

C. 5 km to the South

D. 5 km to the North

Q72 General Intelligence & Reasoning

M, N, O, P, W, X and Y are sitting around a circular table facing the centre of the table.

Only two people sit between X and W when counted from the right of X. Only two people sit between W and M when counted from the right of W. Only three people sit between X and N when counted from the right of X. P sits to the immediate left of Y. Who sits third to the left of O?

A. P

B. X

C. Y



D. M

Q73 General Intelligence & Reasoning

Rashmi starts from Point A and drives 5 km towards west. She then takes a right turn, drives 4 km, turns right and drives 3 km. She then takes a left turn and drives 4 km. She takes a final right turn, drives 2 km and stops at Point P. How far (shortest distance) and towards which direction should she drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified)

A. 4 km towards north

B. 6 km towards east

C. 8 km towards south



D. 8 km towards west

Q74 General Intelligence & Reasoning

Each of the digits in the number 3241586 is arranged in the ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

A. Three

B. One

C. None

D. Two

**Q75 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

256 211 166 121 76 ?

A. 32

B. 33

C. 27

D. 31

**Q76 General Intelligence & Reasoning**

A, B, C, D, W, X and Y are sitting in a straight line facing north. No one sits to the left of D. Only four people sit between D and C. Only three people sit to the right of Y. X sits to the immediate left of A. W is not an immediate neighbour of Y. Who sits third to the left of W?

A. X

B. A

C. Y



D. C

Q77 General Intelligence & Reasoning

Refer to the following series and answer the question (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 2 8 1 7 3 6 6 6 1 5 5 3 4 1 5 5 3 9 7 7 7 (Right)

How many such even digits are there each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

A. 2



B. 1

C. 4

D. 3

Q78 General Intelligence & Reasoning

Which letter cluster will replace the question mark (?) to complete the given series?

ECO HFN KIM ? QOK

A. LPO

B. NLL



C. KLI

D. MNJ



Q79 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

GRK 45, KMG 54, OHC 63, SCY 72, ?

A. WXU 81



B. VXT 83

C. XWV 81

D. VYU 83

Q80 General Intelligence & Reasoning

In a certain code language, 'AUTO' is coded as '2683' and 'TOUR' is coded as '8136'. What is the code for 'R' in the given code language?

A. 6

B. 8

C. 3

D. 1

**General Awareness**

20 Questions • Answer Key

Q81 General Awareness

Which para-swimmer received the Arjuna Award (Lifetime) in 2025?

A. Suyash Jadhav

B. Sharath Gayakwad

C. Murlikant Petkar



D. Prasanta Karmakar

Q82 General Awareness

Which two countries signed a treaty in late May 2025, transferring sovereignty over the Chagos Archipelago?

A. US and Mauritius

B. UK and India

C. UK and Mauritius



D. Mauritius and India

Q83 General Awareness

Who was Madison Keys' opponent in the final when she won her first Grand Slam title at the Australian Open 2025?

A. Coco Gauff

B. Elena Rybakina

C. Aryna Sabalenka



D. Iga Świątek

Q84 General Awareness

Which of the following ministers conducted surprise raids on seed and fertiliser godowns in Rajasthan in June 2025?

A. Yogi Adityanath

B. Mamta Banerjee

C. Kirori Lal Meena



D. Mallikarjun Kharge

Q85 General Awareness

Vikram 3201 and Kalpana 3201 microprocessors, developed for space applications, are what type of microprocessors?

A. 8-bit microprocessors

B. 16-bit microprocessors

C. 64-bit microprocessors

D. 32-bit microprocessors

**Q86 General Awareness**

As per the Economic Survey, 2024-25, under which housing scheme were over 89 lakh houses completed in urban areas as of 25 November 2024?

A. Indira Awas Yojana

B. Smart Cities Mission

C. Shelter for Urban Homeless (SUH)

D. Pradhan Mantri Awas Yojana – Urban (PMAY-U)

**Q87 General Awareness**

The Union Minister of Communications, Mr. Jyotiraditya Scindia, during his keynote at the World Wi-Fi Day Conference in June 2025, projected Wi-Fi to become a ₹1,83,000 crores (US\$ 21.2 billion) sector in India by ____.

A. 2030

B. 2035



C. 2040

D. 2045



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Q88 General Awareness

Which Indian union territory assembly first adopted the National e-Vidhan Application (NeVA) on 9 June 2025?

A. Puducherry



B. Delhi

C. Chandigarh

D. Lakshadweep

Q89 General Awareness

In April 2025, which of the following rules came into force?

A. Bio-medical Waste (Management & Handling) Rules

B. Environment Protection (End-of-Life Vehicles) Rules



C. Plastic Waste Management (Amendment) Rules

D. Hazardous and Other Wastes (Management & Trans boundary Movement) Amendment Rules

Q90 General Awareness

In March 2025, according to the Ministry of Earth Sciences, how many earthquakes were recorded in India during November 2024 to February 2025?

A. 213

B. 197

C. 136

D. 159

**Q91 General Awareness**

The Chagos Archipelago Sovereignty Agreement was signed between which of the following two countries in May 2025?

A. United Kingdom and Australia

B. United Kingdom and Mauritius



C. United Kingdom and India

D. United Kingdom and United States

Q92 General Awareness

What unique feature does the New Pamban Bridge (Tamil Nadu, India) include to facilitate maritime traffic?

A. Bascule mechanism

B. Swing bridge

C. Vertical-lift



D. Suspension cables

Q93 General Awareness

Where did Union Minister Ashwini Vaishnaw inaugurate the nation's pioneering 3nm chip design centres in May 2025?

A. Jaipur and Delhi

B. Noida and Bengaluru



C. Hyderabad and Lucknow

D. Chennai and Ahmedabad

Q94 General Awareness

In February 2025, who won the men's title at the 2025 Asian Snooker Championship held in Doha, Qatar?

A. Pankaj Advani



B. Narantuya Bayarsaikhan

C. Amir Sarkosh

D. Chang Yu Kiu

Q95 General Awareness

Which of the following regions is included in the list of vulnerable landscapes under the Revised Green India Mission (GIM) Plan released in 2025?

A. Indo-Gangetic Plain

B. Thar Desert

C. Aravalli Mountain Range



D. Deccan Plateau

Q96 General Awareness

What was the urban poverty rate in India for FY24 as per SBI's January 2025 report?

A. 13.7%

B. 1.1%

C. 4.6%

D. 4.09%

**Q97 General Awareness**

Which athlete won the Arjuna Award for athletics in January 2025?

A. Jyothi Yarraji



B. Avinash Sable

C. Tajinderpal Singh Toor

D. Neeraj Chopra



Q98 General Awareness

According to the IMF's April 2025 World Economic Outlook, what is India's projected GDP growth rate for the year 2025?

A. 6.0%

B. 6.5%

C. 6.2%



D. 5.9%

Q99 General Awareness

The Supreme Court (Amendment) Rules, 2025 include changes to Order II, Rules 1 to 3 of the Supreme Court Rules, passed in the year ____.

A. 2013



B. 2003

C. 1993

D. 1983

Q100 General Awareness

Which state government launched India's first jungle safari train equipped with a Vistadome coach in May 2025?

A. Arunachal Pradesh

B. Andhra Pradesh

C. Himachal Pradesh

D. Uttar Pradesh



General Science

25 Questions • Answer Key

Q1 General Science

For the life processes, the transfer of a source of energy from outside the body of the organism is called _____.

- A. excretion
- B. digestion
- C. respiration
- D. nutrition



Q2 General Science

A passenger standing in a moving bus suddenly falls forward when the bus stops abruptly. This illustrates which of the following laws?

- A. Newton's second law
- B. Newton's third law
- C. Newton's first law
- D. Law of gravitation



Q3 General Science

A triangular glass prism has how many rectangular lateral surfaces?

- A. Two
- B. Four
- C. One
- D. Three



Q4 General Science

Which of the following is a general physical property of nonmetals?

- A. High electrical conductivity
- B. High melting and boiling points
- C. Dull appearance (non-lustrous)
- D. Malleability and ductility



Q5 General Science

In circuit diagrams, a zigzag line is used to represent which of the following?

- A. A switch
- B. A battery
- C. A resistor
- D. A fuse



Q6 General Science

Which of the following is/are controlled by the use of insecticides in crop protection management?

- A. Fungus
- B. Weeds
- C. Insects
- D. Virus



Q7 General Science

Liquids have:

- A. a definite shape and no fixed volume
- B. no definite shape and no fixed volume
- C. no definite shape but have a fixed volume
- D. a definite shape and a fixed volume



Q8 General Science

A runner completes one round of a circular track of radius 175 m in 35 seconds. The average velocity after one round is _____.

- A. 5 m/s
- B. 10 m/s
- C. 0 m/s
- D. 20 m/s



Q9 General Science

What is corrosion?

- A. Neutralisation reaction
- B. Physical change
- C. Endothermic reaction
- D. Chemical change



Q10 General Science

Neutralisation reaction involves the combination of _____ from the acid and _____ from the base to form water molecules.

- A. H⁻ ions and OH⁺ ions, respectively
- B. H⁺ ions and OH⁻ ions, respectively
- C. OH⁺ ions and OH⁻ ions, respectively
- D. OH⁺ ions and H⁻ ions, respectively



Q11 General Science

The Golgi apparatus is associated with which of the following organelles?

A. Endoplasmic reticulum ✓

B. Nucleus

C. Mitochondria

D. Plastids

Q12 General Science

Neurons have many short, branched parts or processes attached to cell body called _____.

A. nerve endings

B. dendrites ✓

C. axons

D. nuclei

Q13 General Science

What is the primary cause of reverberation in a hall or room?

A. Absorption of sound by soft materials

B. Variation in air temperature

C. Multiple reflections of sound from hard surfaces ✓

D. Bending of sound waves

Q14 General Science

Where should an object be placed in front of a convex lens to get a real image of the size of the object?

A. At infinity

B. Between infinity and the principal focus of the lens

C. At the principal focus of the lens

D. At twice the focal length ✓

Q15 General Science

Electrons revolve around the nucleus in fixed paths called:

A. Nucleons

B. Quarks

C. Elliptical paths

D. Shells or orbitals ✓

Q16 General Science

An object moves along a straight path from point O to point A (100 m away), then immediately reverses and stops at point B, which is 30 m away from A back towards O. What is the total distance covered and the magnitude of the displacement, respectively?

A. 70 m, 70 m

B. 130 m, 70 m ✓

C. 100 m, 70 m

D. 130 m, 30 m

Q17 General Science

From the given compounds, which is used as a fuel additive?

A. Ethane

B. Ethanoic acid

C. Ethanal

D. Ethanol ✓

Q18 General Science

The total resistance of 10 resistors of equal resistance R arranged in series arrangement is _____.

A. $10/R$

B. $R/10$

C. $R10$

D. $10R$ ✓

Q19 General Science

Which of the following nutrients is required in large quantities by plants?

A. Iron

B. Copper

C. Phosphorus ✓

D. Zinc

Q20 General Science

Which of the following life processes is NOT essential to maintain the life of an individual organism?

A. Excretion

B. Nutrition

C. Respiration

D. Reproduction ✓



Q21 General Science

A baby pulls a toy car along the ground. If the force and displacement are in the same direction, the work done is:

- A. equal to zero
- B. negative
- C. equal to the speed of the car
- D. equal to the product of force and displacement ✓

Q22 General Science

Which of the following organisms multiplies by the means of multiple fission mode of reproduction?

- A. Plasmodium ✓
- B. Leishmania
- C. Hibiscus
- D. Garden pea

Q23 General Science

Which of the following statements is correct about 'Bohr's model of an Atom'?

- A. While revolving in discrete orbits, the electrons radiate energy.
- B. While revolving in discrete orbits, the electrons do not exist.
- C. Only certain special orbits known as discrete orbits of electrons are allowed outside the atom.
- D. Only certain special orbits known as discrete orbits of electrons are allowed inside the atom. ✓

Q24 General Science

Which of the following is considered a major factor contributing to poor living standards in society?

- A. Inequality in the distribution of resources ✓
- B. Overuse of technology in urban areas
- C. Only the rapid growth of the population
- D. Only the level of education in society

Q25 General Science

What is the chemical formula for Glucose?

- A. CH_3COOH
- B. $\text{C}_6\text{H}_{12}\text{O}_6$ ✓
- C. $\text{C}_{11}\text{H}_{22}\text{O}_{11}$
- D. CH_4

Mathematics

25 Questions • Answer Key

Q26 Mathematics

Find the simple interest (in ₹) on ₹4,000 at 6% per annum rate of interest for the period from 21 February 2024 to 22 April 2024.

- A. 41
- B. 38
- C. 39
- D. 40 ✓

Q27 Mathematics

The arithmetic mean of the observations 79, 42, 47, 77, 49, 75, 56, 26 and 35 is:

- A. 64
- B. 49
- C. 54 ✓
- D. 45

Q28 Mathematics

In a box containing blue, yellow, and orange tokens, the ratio of blue to yellow tokens was 13 : 19, while the ratio of orange to blue tokens was 10 : 3. What was the ratio of orange to yellow tokens?

- A. 130 : 57 ✓
- B. 137 : 61
- C. 134 : 62
- D. 132 : 59



Q29 Mathematics

Diana is thrice as old as Teresa and Homi is twice as old as Diana. If Diana's age is 4 years less than the average age of all three, then Homi's age (in years) is:

A. 78

B. 72



C. 68

D. 70

Q30 Mathematics

If 20% of a number is added to 102, then the result is the same number. 60% of the same number is:

A. 96.5

B. 86.5

C. 76.5



D. 106.5

Q31 Mathematics

The price per unit of lemon candy to strawberry candy is in the ratio 4 : 14, and a family consumes them in the ratio 23 : 2 by quantity. Find the ratio of the expenditure on strawberry candy to that on lemon candy.

A. 10 : 24

B. 7 : 24

C. 7 : 23



D. 8 : 26

Q32 Mathematics

A typist takes 40 minutes to type 2 pages. How long (in minutes) will he take to type 81 pages?

A. 1630

B. 1625

C. 1610

D. 1620

**Q33 Mathematics**

At beginning of the poll, Rahul received 52% of the total votes and Leena received 48% of the total votes. The total voting was of 3,72,000 votes. How many votes did Leena earn above 1,00,000?

A. 37,20,000 votes

B. 1,00,000 votes

C. 78,560 votes



D. 1,78,560 votes

Q34 Mathematics

A credit card payment that will settle a bill for 290 microwaves at ₹1,050 per microwave with successive discounts of 4% and 25%, with a further discount of 5% on card payment is:

A. ₹2,08,292

B. ₹2,08,260

C. ₹2,08,278



D. ₹2,08,290

Q35 Mathematics

Three men can dig a well 39 feet deep in 4 days. How many men can dig a well 78 feet deep in 12 days?

A. 3

B. 5

C. 1

D. 2

**Q36 Mathematics**

In a fruit basket, there are twice as many oranges as apples. If there are a total of 36 fruits, how many oranges are there?

A. 12

B. 18

C. 24



D. 30

Q37 Mathematics

The average of 4, 12, 8, 10, 16, 14, 9, 20, 18, 22, 15 and K is 14. Find the value of K.

A. 16

B. 20



C. 18

D. 15

Q38 Mathematics

Akriti earns ₹ 54,500 monthly and saves 17% of her salary. Find her monthly expenditure.

A. ₹ 45,523

B. ₹ 45,352

C. ₹ 45,235



D. ₹ 45,325



Q39 Mathematics

A and B working together can do a piece of work in 3 days. B alone can do the same work in 21 days. How long (in days) will A alone take to do double the work?

- A. 3.5
- B. 10
- C. 8
- D. 7

**Q40 Mathematics**

The cost of 1 litre milk is equal to the selling price of 800 ml milk. The percentage of profit is ____.

- A. 27.5%
- B. 22.5%
- C. 25%
- D. 20%

**Q41 Mathematics**

P is any point inside the rectangle ABCD. If PA = 57 cm, PB = 9 cm, and PC = 54 cm, then the length PD (in cm) is equal to:

- A. 76
- B. 78
- C. 83
- D. 80

**Q42 Mathematics**

A shop that sells towels has offers going on, wherein customers can buy 2 towels and get 2 free. What is the percentage discount that customers get?

- A. 50%
- B. 45%
- C. 55%
- D. 60%

**Q46 Mathematics**

The value of $\frac{(0.85)^3 - (0.1)^3}{(0.85)^2 + 0.085 + 0.01}$ is:

- A. 0.95
- B. 0.75
- C. 0.99
- D. 0.65

**Q43 Mathematics**

For a trip of 600 km, a truck travels the first 300 km at a speed of 42 km/hr. At what speed (in km/hr) should it cover the remaining distance, so that the average speed for the entire journey is 63 km/hr?

- A. 101
- B. 141
- C. 106
- D. 126

**Q44 Mathematics**

The diagonals of a quadrilateral are perpendicular bisectors of each other. If the length of one diagonal is 8 cm and the area of the quadrilateral is 48 cm^2 , find the length (in cm) of the other diagonal.

- A. 14
- B. 10
- C. 12
- D. 8

**Q45 Mathematics**

A 435-metre-long train crosses a platform thrice its length in 87 seconds. What is the speed of the train (in km/hr)?

- A. 68
- B. 76
- C. 80
- D. 72



Q47 Mathematics

Simplify: $\left(\frac{3^4 \times 9^{-2}}{27^{-1} \times 3^{-3}}\right)^{\frac{1}{3}}$

A. 27

B. 3

C. 9



D. 1

Q48 Mathematics

Simplify: $\frac{1 - \cos 2\theta}{\sin 2\theta}$

A. $\sin \theta$

B. $\tan \theta$



C. $\cot \theta$

D. $\operatorname{cosec} \theta$

Q49 Mathematics

A cylindrical water tank has a diameter of 2.8 m and a height of 3.5 m. It is to be painted on both its outer curved surface and two circular ends. If the cost of painting is ₹25/m², find the total cost of painting the tank. (Use $\pi = \frac{22}{7}$)

A. ₹1,160

B. ₹1,290

C. ₹1,078



D. ₹1,220

Q50 Mathematics

If $x + y + z = 0$ and $xyz = 21$, then $x^3 + y^3 + z^3$ is equal to:

A. 21

B. 63



C. 42

D. 0



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Q51 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

214 217 222 229 238 ?

A. 249



B. 247

C. 241

D. 243

Q52 General Intelligence & Reasoning

In a certain code language,
A + B means 'A is the sister of B',
A @ B means 'A is the brother of B',
A - B means 'A is the wife of B',
and A # B means 'A is the father of B'.

How is O related to V if 'O @ P + T - G # V'?

A. Mother's brother



B. Mother's father

C. Brother

D. Father

Q53 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

161 165 173 185 201 ?

A. 221



B. 215

C. 220

D. 207

Q54 General Intelligence & Reasoning

Refer to the number series given below and answer the question that follows. Counting to be done from left to right only.

(NOTE: All numbers are single-digit numbers only.)

(Left) 5 2 7 5 4 7 9 8 5 3 6 2 1 5 7 4 9 7 2 5 2 4 3 7 8 4 7
(Right)

How many such odd digits are there, each of which is immediately preceded by an even digit and also immediately followed by an even digit?

A. More than two

B. Two

C. One



D. None

Q55 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the letter-cluster that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. QRN

B. UWR



C. STP

D. WXT

Q56 General Intelligence & Reasoning

In a row of 50 students facing north, Neetu is 12th from the right end. If Kaden is 6th to the left of Neetu, what is Kaden's position from the left end of the line?

A. 32nd

B. 30th

C. 33rd



D. 31st

Q57 General Intelligence & Reasoning

In a particular coding system, 'house' is represented as '35791' and 'hose' is encoded as '3751'. How is 'u' represented in this coding system?

A. 9



B. 1

C. 3

D. 7



Q58 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

VNQ UMP TLO SKN ?

A. RIM

B. RIN

C. RJN

D. RJM

**Q59 General Intelligence & Reasoning**

Select the triad that follows the same pattern as the one followed by the two triads given below. Both triads follow the same pattern.

LF-OI-RT

NH-QK-TV

A. PJ-SM-VY

B. OJ-SN-VY

C. OJ-SM-VY

D. PJ-SM-VX

**Q60 General Intelligence & Reasoning**

Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

AWY-UQS

RNP-LHJ

A. PKL-IEG

B. PKL-JFH

C. PLN-IFG

D. PLN-JFH

**Q61 General Intelligence & Reasoning**

A, B, C, E, F, P and Q are sitting around a circular table, facing the centre. F sits third to the left of C. Only one person sits between C and P when counted from the left of P. Only two people sit between B and E when counted from the right of E. A is an immediate neighbour of B. Who sits to the immediate left and right of Q, respectively?

A. F and A

B. C and P



C. P and C

D. P and B

Q62 General Intelligence & Reasoning

In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

WEST - EWST - WSTE

TOPS - OTPS - TPSO

A. OPEN - POEN - PENO

B. HIRE - HRIE - ERIH

C. EXIT - XEIT - EITX



D. LADS - ALDS - SADL

Q63 General Intelligence & Reasoning

In a row of people all facing north, Hirani is 17th from the left end, and Tushar is 32th from the left end. Tushar is exactly between Hirani and Kiran. If Kiran is 12th from the right end of the line, how many people are there in the row?

A. 57

B. 58



C. 59

D. 60

Q64 General Intelligence & Reasoning

What will come in the place of '?' in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$113 \div 6 + 98 \times 2 - 156 = ?$$

A. 779

B. 785



C. 798

D. 775



Q65 General Intelligence & Reasoning

This question is based on the five, three-digit numbers given below.

(Left) 567 862 426 326 749 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

If 2 is added to the second digit of every number, in how many numbers will the second digit be exactly divisible by the third digit?

A. Three

B. Four

C. Two

D. One

**Q66 General Intelligence & Reasoning**

Refer to the following number series and answer the question that follows (all numbers are single digit numbers only). (Counting to be done from left to right only.)

(Left) 6 3 1 1 2 3 2 8 5 7 6 1 3 7 2 6 9 6 9 2 4 6 2 8 6 3 1 (Right)

How many such even numbers are there each of which is immediately preceded by an odd number and also immediately followed by an odd number?

A. 5

B. 2

C. 3



D. 4

Q67 General Intelligence & Reasoning

Ronak starts from Point A and drives 6 km towards the south. He then takes a left turn, drives 5 km, turns left and drives 14 km. He then takes a left turn and drives 11 km. He takes a final left turn, drives 8 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 6 km to the west

B. 6 km to the east



C. 7 km to the west

D. 7 km to the east

Q68 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All lotions are creams.

All creams are soaps.

No cream is a facewash.

Conclusions:

(I) No soap is a facewash.

(II) No lotion is a facewash.

A. Only conclusion (II) follows.



B. Only conclusion (I) follows.

C. Both conclusions (I) and (II) follow.

D. Neither conclusion (I) nor (II) follows.

Q69 General Intelligence & Reasoning

In a certain code language, 'PEARL' is coded as '18723' and 'PAYER' is coded as '82736'. What is the code for 'Y' in the given code language?

A. 3

B. 2

C. 8

D. 6

**Q70 General Intelligence & Reasoning**

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. HKF

B. ILG

C. LOI



D. QTO

Q71 General Intelligence & Reasoning

Each of the digits in the number 4876231 is arranged in ascending order from left to right. What will be the sum of the digits which are second from the left and third from the right in the new number thus formed?

A. 8



B. 9

C. 12

D. 10



Q72 General Intelligence & Reasoning

Refer to the given series and answer the question that follows. All numbers are single digit numbers only. (Counting to be done from left to right only)

(Left) 6 4 9 2 3 2 7 7 9 8 3 8 7 9 9 9 7 9 5 8 9 9 1 (Right)

How many such odd digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

A. Three



B. None

C. Two

D. One

Q73 General Intelligence & Reasoning

A, B, C, R, S, T and U are sitting around a circular table facing the centre of the table. Only one person sits between S and T when counted from the left of T. R sits third to the right of A. U sits third to the left of C. R sits to the immediate right of U. B is not an immediate neighbour of U. How many people sit between B and T when counted from the right of B?

A. Four

B. Two

C. One

D. Three

**Q74 General Intelligence & Reasoning**

Which of the following letter-clusters will replace the question mark (?) in the given series to make it logically complete?

BBO 2 ECM -4 HDK 8 KEI -16 ?

A. MJJ 31

B. NFG 32



C. KLI 33

D. MKL 22

Q75 General Intelligence & Reasoning

If 'A' stands for '+', 'B' stands for '-', 'C' stands for '÷' and 'D' stands for '×', what will come in place of the question mark (?) in the following equation?

75 B 4 D 20 A 40 C 8 = ?

A. 1

B. 4

C. 3

D. 0

**Q76 General Intelligence & Reasoning**

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(34, 70, 1)

(21, 92, 25)

A. (17, 52, 9)



B. (2, 31, 14)

C. (19, 63, 13)

D. (36, 73, 1)

Q77 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

921 923 927 933 941 ?

A. 949

B. 955

C. 953

D. 951

**Q78 General Intelligence & Reasoning**

Seven people, A, B, C, D, E, F, and G, are sitting in a row, facing the north. Only two people sit to the left of A. Only three people sit between A and G. D sits second to the right of A. Only two people sit between D and C. E sits at some place to the right of F but at some place to the left of B. How many people sit to the right of C?

A. 4

B. 2

C. 3

D. 5



Q79 General Intelligence & Reasoning

Mr. Zzz starts from Point A and drives 7 km towards the South. He then takes a left turn, drives 21 km, turns left and drives 16 km. He then takes a left turn and drives 26 km. He takes a final left turn, drives 9 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified).

- A. 2 km to the South
- B. 5 km to the East
- C. 3 km to the West
- D. 4 km to the North

Q80 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements: All geysers are lights. No light is an oven.

Conclusion (I): No geyser is an oven.

Conclusion (II): Some ovens are lights.

- A. Only conclusion (II) follows.
- B. Only conclusion (I) follows.
- C. Neither conclusion (I) nor (II) follows.
- D. Both conclusions (I) and (II) follow.

General Awareness

20 Questions • Answer Key

Q81 General Awareness

Which of the following platforms will provide training to the new recruits inducted during the 15th edition of the Rozgar Mela in April 2025, apart from formal skill programmes?

- A. e-Shram Portal
- B. National Career Service
- C. SWAYAM
- D. iGOT Karmayogi

Q82 General Awareness

As per revised Reserve Bank of India guidelines in April 2025, from what minimum age can minors independently open and operate savings accounts?

- A. 15 years
- B. 8 years
- C. 12 years
- D. 10 years

Q83 General Awareness

In which of the following months was the grand finale and prize distribution ceremony of the Defence Innovation Challenge for Excellence (DICE-2024) organised during Aero India 2025 in Bengaluru by the Marathwada Accelerator for Growth and Incubation Council (MAGIC)?

- A. June 2025
- B. April 2025
- C. March 2025
- D. February 2025

Q84 General Awareness

How many total medals did India win at the 2025 World Boxing Cup?

- A. 8
- B. 11
- C. 10
- D. 9

Q85 General Awareness

In which state did the Defence Research and Development Organisation (DRDO) successfully test its indigenous Stratospheric Airship Platform on 3 May 2025?

- A. Gujarat
- B. Rajasthan
- C. Madhya Pradesh
- D. Andhra Pradesh

Q86 General Awareness

Which of the following is NOT a main feature of 'Control of Water Pollution (Grant, Refusal or Cancellation of Consent) Guidelines', 2025?

- A. Stricter Location Criteria
- B. Clear Enforcement of Rules
- C. Streamlined Consent Process
- D. Air Pollution Prevention Penalties



Q87 General Awareness

Which ministry released the 'Model Rules for Felling Trees in Agricultural Lands' in 2025?

- A. Ministry of Agriculture
- B. Ministry of Home Affairs
- C. Ministry of Environment, Forest and Climate Change ✓
- D. Ministry of Rural Development

Q88 General Awareness

Which film by Aamir Khan was released in June 2025?

- A. Raid 2
- B. Sky Force
- C. Fateh
- D. Sitaare Zameen Par ✓

Q89 General Awareness

Who took over as the Chairperson of the Securities and Exchange Board of India (SEBI) in March 2025?

- A. Madhabi Puri Buch
- B. Arvind Panagariya
- C. Tuhin Kanta Pandey ✓
- D. Shaktikanta Das

Q90 General Awareness

In January 2025, the World Economic Forum annual meeting was held in _____.

- A. Wengen
- B. Davos ✓
- C. Geneva
- D. Zurich

Q91 General Awareness

Which award did former cyclist Sucha Singh receive in 2025?

- A. Dronacharya Award
- B. Arjuna Award (Lifetime) ✓
- C. Khel Ratna Award
- D. MAKATrophy

Q92 General Awareness

Which athlete won the Arjuna Award for para-athletics in 2025?

- A. Sumit Antil
- B. Yogesh Kathuniya
- C. Avani Lekhara
- D. Navdeep Singh ✓

Q93 General Awareness

The Lokpal of India celebrated its 1st Foundation Day on which date in 2025?

- A. 15 January
- B. 31 January
- C. 30 January
- D. 16 January ✓

Q94 General Awareness

Finland became the ____ European country to exit the Ottawa landmine treaty in June 2025.

- A. 4th
- B. 5th ✓
- C. 6th
- D. 3rd

Q95 General Awareness

Approximately how many hectares are targeted for increased forest and tree cover by 2030 as per the Revised Green India Mission (GIM) Plan released in 2025?

- A. 20 million
- B. 24.7 million ✓
- C. 15.5 million
- D. 10 million

Q96 General Awareness

Which State Government inaugurated the Rajiv Gandhi Van Samvardhan Yojana on 2 June 2025?

- A. Uttar Pradesh
- B. Himachal Pradesh ✓
- C. Karnataka
- D. Telangana



Q97 General Awareness

Who among the following was appointed as Deputy Chief Executive Officer (CEO) of SBI General Insurance in June 2025?

A. Rakesh Sharma

B. Manish Jain

C. Mohd. Arif Khan



D. Ashok Mittal

Q98 General Awareness

In which of the following months, during the 'Genomics Data Conclave', was the 'GenomeIndia Data' dedicated to the researchers by Narendra Modi, Prime Minister of India?

A. June 2025

B. April 2025

C. January 2025



D. March 2025

Q99 General Awareness

Which of the following countries will be hosting the World Rowing Championships 2025?

A. Sydney, Australia

B. London, UK

C. Shanghai, China



D. Tokyo, Japan

Q100 General Awareness

Which of the following Indian Constitutional Amendment Acts is also known as Nari Shakti Vandan Adhiniyam?

A. 104th Constitutional Amendment Bill

B. 105th Constitutional Amendment Bill

C. 106th Constitutional Amendment Bill



D. 107th Constitutional Amendment Bill



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General Science

25 Questions • Answer Key

Q1 General Science

A body of mass 2 kg is moving with a speed of 3 m/s. Its kinetic energy is _____.

A. 9 J



B. 6 J

C. 3 J

D. 18 J

Q2 General Science

A car moving at a speed of 720 km/hr comes to a stop in 4 seconds after the brakes are applied. If the total mass of the car and passengers is 80 kg, what is the force applied by the brakes?

A. -14,400 N

B. 4000 N

C. -4000 N



D. -2000 N

Q3 General Science

Which of the following functional groups is represented by -OH in carbon compounds?

A. Alcohol



B. Ketone

C. Carboxylic acid

D. Aldehyde

Q4 General Science

Oxidation is defined as:

A. gain of electrons

B. loss of electrons



C. gain of neutrons

D. loss of protons

Q5 General Science

Which of the following statements is correct about acceleration due to gravity?

A. It decreases with altitude



B. It is the same everywhere on Earth

C. It remains constant with depth

D. It increases as we go inside the Earth

Q6 General Science

The speed of sound in air is approximately 340 m/s. If a reflecting surface is 17 m away, how long does it take for an echo to return to the source?

A. 0.1 s



B. 0.05 s

C. 0.5 s

D. 1 s

Q7 General Science

Where is the embryo implanted after fertilisation in the human female body under normal conditions?

A. Cervix

B. Oviduct

C. Ovary

D. Uterus lining



Q8 General Science

On which of the following does resistivity of a material depend?

A. Nature of the material



B. Current passing through it

C. Shape of the conductor

D. Length and area of the conductor

Q9 General Science

Which of the following muscular structures is/are responsible for modifying the curvature and thus changing the focal length of the fibrous, jelly-like eye lens?

A. Retina

B. Iris

C. Pupil

D. Ciliary muscles



Q10 General Science

Which of the following statement is true regarding big dams and flood control?

- A. Big dams do not increase the risk of floods.
- B. Big dams can help in flood control by regulating river flow. ✓
- C. Big dams are never used for flood control.
- D. Big dams completely eliminate the possibility of floods.

Q11 General Science

In which of the following states of matter do particles possess the highest speed of rapid random motion?

- A. Solid only
- B. Liquid only
- C. Gas ✓
- D. Liquid and solid both

Q12 General Science

Which of the following is NOT an example of a tissue of an organism?

- A. Bone
- B. Neuron ✓
- C. Muscle
- D. Blood

Q13 General Science

Which of the following is related to human females in the same manner as vasectomy is related to human males?

- A. Tubectomy ✓
- B. Copper-T
- C. Cervical caps
- D. Coitus interruptus

Q14 General Science

Which of the following statements about a spherical lens is NOT correct?

- A. The line joining the two centres of curvature is called the principal axis.
- B. Every spherical lens has two centres of curvature.
- C. A concave lens also possesses two centres of curvature.
- D. The optical centre coincides with the centre of curvature. ✓

Q15 General Science

A solenoid behaves like a magnet because:

- A. Current in its turns produces a magnetic field ✓
- B. It has a high resistance
- C. It stores electricity
- D. It contains iron inside

Q16 General Science

Which of the following is a diatomic molecule formed by a non-metallic element?

- A. O₂ ✓
- B. Na
- C. Mg
- D. He

Q17 General Science

Which equation correctly represents the reaction of aluminum with hydrochloric acid?

- A. $\text{Al} + \text{HCl} \rightarrow \text{AlCl}_3 + \text{H}_2$
- B. $\text{Al} + \text{HCl} \rightarrow \text{AlCl} + \text{H}_2$
- C. $2\text{Al} + 3\text{HCl} \rightarrow 2\text{AlCl}_3 + 3\text{H}_2$
- D. $2\text{Al} + 6\text{HCl} \rightarrow 2\text{AlCl}_3 + 3\text{H}_2$ ✓

Q18 General Science

A force that changes the state of motion of an object is called:

- A. Unbalanced force ✓
- B. Frictional force
- C. Balanced force
- D. Gravitational force

Q19 General Science

Which of the following methods of reproduction ensures rapid increase in population?

- A. Asexual reproduction ✓
- B. Internal fertilisation
- C. Cross pollination
- D. Self pollination



Q20 General Science

Which of the following organs is present in chest cavity?

- A. Liver
- B. Pharynx
- C. Pancreas
- D. Lungs** ✓

Q21 General Science

What are the primary functions of xylem and phloem tissues in a plant?

- A. Both xylem and phloem transport food.
- B. Xylem transports water and minerals, phloem transports food.** ✓
- C. Both xylem and phloem transport water and minerals.
- D. Xylem transports food, phloem transports water and minerals.

Q22 General Science

Which of the following is the chemical formula of fullerene carbon allotropes?

- A. C0
- B. C60** ✓
- C. C6
- D. C

Q23 General Science

Which of the following statements best explains why isotopes of an element have identical chemical properties but different physical properties?

- A. Isotopes differ in the number of protons, leading to different behaviours in chemical reactions.
- B. Isotopes have the same atomic number but differ in their number of neutrons, which affects physical properties like mass.** ✓
- C. Isotopes have completely different atomic structures, affecting both their physical and chemical properties.
- D. Isotopes have the same number of protons and neutrons but different numbers of electrons.

Q24 General Science

What happens to the pH of a solution when the concentration of H⁺ ions increases?

- A. It remains the same.
- B. It cannot be determined.
- C. It increases.
- D. It decreases.** ✓

Q25 General Science

The main thinking part of the human brain is located in the:

- A. Mid-brain
- B. Spinal cord
- C. Fore-brain** ✓
- D. Medulla

Mathematics

25 Questions • Answer Key

Q26 Mathematics

A, B and C can complete a piece of work in 3, 9 and 18 days, respectively. How long (in days) will they take to complete thrice the same work, working together?

- A. 7
- B. 6** ✓
- C. 12
- D. 18

Q27 Mathematics

Ravi spends ₹80 more than Raj. If together they spend ₹380, how much does Raj spend?

- A. ₹110
- B. ₹150** ✓
- C. ₹120
- D. ₹140



Q28 Mathematics

The ratio of the present age of Sunil and Shyam is 3 : 4. The ratio of their age after 25 years from now, will be 8 : 9. What is the present age of Sunil?

A. 15 years



B. 14 years

C. 18 years

D. 16 years

Q29 Mathematics

Two banks, A and B, offered loans at 3.5% and 7.5% per annum, respectively. Nirmal borrowed an amount of ₹2,40,000 from each bank. Find the positive difference (in ₹) between the amounts of simple interest paid to the two banks by Nirmal after 3 years.

A. 28,300

B. 29,800

C. 28,800



D. 30,300

Q30 Mathematics

An article was bought for ₹2,600. Its price was marked up by 20%. Thereafter, it was sold at a discount of 10% on the marked price. What was the profit percentage on the transaction?

A. 8%



B. 9%

C. 10%

D. 7%

Q31 Mathematics

The insect population in a building was 9580 in 2015. It increased by 12% in 2016, decreased by 8% in 2017, and again increased by 8% in 2018. Find the insect population in 2018, rounded off to the nearest integer.

A. 10,661



B. 11,661

C. 11,665

D. 10,665

Q32 Mathematics

A shopkeeper buys an article for ₹12,000 and sells it for ₹13,500. Find his profit percentage.

A. 10.5%

B. 20%

C. 15%

D. 12.5%

**Q33 Mathematics**

After selling an article at a discount of 20%, the profit percentage obtained is 32%. What is the markup percentage?

A. 65%



B. 71%

C. 69%

D. 61%

Q34 Mathematics

19 men and 13 women can complete a piece of work in 12 days, while 17 men and 9 women can complete the same work in 14 days. The work of how many women is equivalent to that of one man?

A. 5

B. 2

C. 3



D. 4

Q35 Mathematics

The sum of three numbers is 8784. If the ratio between the first and second numbers is 20 : 18 and that of between second and third is 21 : 12, then find the difference between the first and the third number.

A. 1786

B. 1687

C. 1768



D. 1678



Q36 Mathematics

In an election between two candidates, 80% of the total voters cast their votes. Out of the total votes cast, 10% were declared invalid. If Candidate A secured 70% of the valid votes and Candidate B received the rest, and the total number of eligible voters was 50,000. How many votes did candidate A receive?

A. 25,500

B. 26,200

C. 26,500

D. 25,200

**Q37 Mathematics**

A train passes two tunnels of length 2708 m and 2195 m in 88 seconds and 76 seconds, respectively. What is the length of the train?

A. 1063 m

B. 1064 m

C. 1054 m



D. 1048 m

Q38 Mathematics

A jeep travels 80 km at the speed of 40 km/hr and the next 32 km at the speed of 16 km/hr. What is its average speed (in km/hr)?

A. 34

B. 28



C. 22

D. 32

Q39 Mathematics

A solid metallic sphere of radius 10.5 cm is melted and recast into smaller spherical balls of radius 1.5 cm each. If the surface area of the original sphere is S, what is the total surface area of all the small balls combined?

A. 6S

B. 8S

C. 7S



D. 5S

Q40 Mathematics

The median of the data 4, 23, 11, 7, 6, 9, (K + 5), 15, 20 and 16 is 12. Find the value of K.

A. 6

B. 8



C. 7

D. 5

Q41 Mathematics

The sum of the first 16 prime numbers is:

A. 381



B. 377

C. 383

D. 382

Q42 Mathematics

The average age of 25 students of a class is 33 years. If the age of the teacher is also included, the average age of the whole group becomes 34 years. The age (in years) of the teacher is:

A. 61

B. 59



C. 56

D. 55

Q43 Mathematics

Simplify the following.

$$6 \times 6 + 6 \times (8 - 5)^2 \div 3 \times 9$$

A. 192

B. 138

C. 164

D. 198

**Q44 Mathematics**

The sides of a triangle are 41 cm, 21 cm, and 50 cm. What is the length of its altitude corresponding to the side with a length of 21 cm?

A. 54 cm

B. 22 cm

C. 85 cm

D. 40 cm



Q45 Mathematics

If the third proportional of 8 and 56 is x , then what is the value of x ?

A. 394

B. 392 ☒

C. 393

D. 390

Q46 Mathematics

Which of the following numbers is divisible by 41?

A. 7575438

B. 7397665

C. 7497194

D. 7132975 ☒

Q47 Mathematics

Simplify the given expression.

$$(x + 2)(x + 3)$$

A. $x^2 + 6x + 5$

B. $x^2 + 5x + 6$ ☒

C. $x^2 + 2x + 3$

D. $x^2 + 3x + 2$

Q48 Mathematics

The perimeter of an equilateral triangle is three – fifth of the perimeter of a square of diagonal $16\sqrt{2}$ cm. Find the ratio between the area of the triangle and the area of the square.

A. $3\sqrt{2} : 16$

B. $2\sqrt{3} : 11$

C. $4\sqrt{3} : 25$ ☒

D. $3\sqrt{5} : 26$

Q49 Mathematics

If 50% of 70% of $\frac{2}{6}$ of a number is 539, find the number.

A. 3800

B. 6880

C. 7200

D. 4620 ☒



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Q50 Mathematics

From a point 20 m away from the base of a tower, the angle of elevation to the top of the tower is 30° . Find the height of the tower.

(Use $\sqrt{3} \approx 2$)

- A. 15 m
- B. 12 m
- C. 11 m
- D. 10 m

**General Intelligence & Reasoning**

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

5 7 11 19 ? 67

- A. 35
- B. 44
- C. 34
- D. 20

**Q52 General Intelligence & Reasoning**

Refer to the given number series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 1 1 9 6 4 1 5 3 1 1 8 2 3 2 1 4 5 9 3 9 5 5 4 6 9 3 1
(Right)

How many such odd numbers are there each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- A. 8
- B. 10
- C. 9
- D. 11

**Q53 General Intelligence & Reasoning**

If 'A' stands for ' $\div$ ', 'B' stands for ' $\times$ ', 'C' stands for ' $+$ ' and 'D' stands for ' $-$ ', what will come in place of the question mark (?) in the following equation?

12 C 16 B 15 A 8 D 14 = ?

- A. 29
- B. 28
- C. 23
- D. 27

**Q54 General Intelligence & Reasoning**

This question is based on the five, three-digit numbers given below.

(Left) 458 569 248 671 349 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

If 2 is added to the first digit of every number, in how many numbers will the first digit be exactly divisible by the second digit?

- A. Four
- B. Three
- C. One
- D. Two

**Q55 General Intelligence & Reasoning**

Five people, A, B, C, D and E are sitting in a row, facing north. D sits third from the left end of the line. E sits fifth from the left end of the line. B sits between A and D. Who sits at the extreme left end of the line?

- A. B
- B. E
- C. A
- D. C



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Q56 General Intelligence & Reasoning

Naveen starts from Point A and drives 11 km towards the south. He then takes a left turn, drives 5 km, turns left and drives 4 km. He then takes a right turn and drives 6 km. He takes a final left turn, drives 7 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified).

- A. 5 km towards the north
- B. 5 km towards the east
- C. 11 km towards the south
- D. 11 km towards the west

**Q57 General Intelligence & Reasoning**

In a certain code language, 'queen area add' is coded as 'mk ng uk' and 'game queen ant' is coded as 'ng oz ie'. How is 'queen' coded in the given language?

- A. oz
- B. mk
- C. ng
- D. uk

**Q58 General Intelligence & Reasoning**

In a certain code language, 'ROUT' is coded as '1625' and 'AUTO' is coded as '1546'. What is the code for 'A' in the given code language?

- A. 4
- B. 1
- C. 6
- D. 5

**Q59 General Intelligence & Reasoning**

Rahul starts from Point A and drives 9 km towards North. He then takes a right turn, drives 6 km, turns right and drives 14 km. He then takes a right turn and drives 9 km. He takes a final right turn, drives 5 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified)

- A. 3 km to the east
- B. 4 km to the east
- C. 3 km to the west
- D. 4 km to the west

**Q60 General Intelligence & Reasoning**

If 'A' stands for ' $\div$ ', 'B' stands for ' $\times$ ', 'C' stands for ' $+$ ' and 'D' stands for ' $-$ ', what will come in place of the question mark '?' in the following equation?

$$8 \text{ D } 14 \text{ A } 2 \text{ C } 3 \text{ B } 9 = ?$$

- A. 26
- B. 25
- C. 28
- D. 27

**Q61 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

113 99 85 71 57 ?

- A. 39
- B. 47
- C. 45
- D. 43

**Q62 General Intelligence & Reasoning**

Seven boxes, A, B, C, D, I, J and K, are kept one over the other, but not necessarily in the same order. Only two boxes are kept below I. Only one box is kept above J. Only one box is kept between J and K. B is kept immediately above C. D is kept at some place below A. How many boxes are kept between A and B?

- A. Three
- B. Two
- C. Four
- D. One

**Q63 General Intelligence & Reasoning**

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- A. CZ-ZZ
- B. CZ-AX
- C. DA-BY
- D. GD-EB



Q64 General Intelligence & Reasoning

KP 15 is related to NL 7 in a certain way. In the same way, BL 5 is related to EH -3. To which of the given options is RP 18 related, following the same logic?

- A. VL 8
- B. VK 10
- C. UK 8
- D. UL 10

**Q65 General Intelligence & Reasoning**

What will come in the place of '?' in the following equation, if '+' and '÷' are interchanged and '-' and 'x' are interchanged?

$$312 + 6 \times 5 - 32 \div 300 = ?$$

- A. 186
- B. 179
- C. 180
- D. 192

**Q66 General Intelligence & Reasoning**

Refer to the following series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 5 1 3 8 4 5 1 6 3 7 1 9 2 5 9 4 8 5 5 3 1 2 2 1 6 2 8
(Right)

How many such odd numbers are there each of which is immediately preceded by an odd number and also immediately followed by an even number?

- A. 4
- B. 7
- C. 6
- D. 5

**Q67 General Intelligence & Reasoning**

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- A. LNT
- B. DFL
- C. FHM
- D. ACI

**Q68 General Intelligence & Reasoning**

SG 11 is related to VH -6 in a certain way. In the same way, NM 19 is related to QN 2. To which of the given options is ON 2 related, following the same logic?

- A. SP -18
- B. QP -15
- C. SO -18
- D. RO -15

**Q69 General Intelligence & Reasoning**

M, N, O, P, W, X and Y are sitting around a circular table facing the centre of the table.

Only two people sit between P and O when counted from the left of O. W sits third to the left of N. Y sits to the immediate right of N. Y sits second to the left of P. X is not an immediate neighbour of W. Who sits third to the right of M?

- A. W
- B. O
- C. Y
- D. N

**Q70 General Intelligence & Reasoning**

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All fruits are candies.
All fruits are sprouts.

Conclusions:

(I): Some candies are sprouts.
(II): All sprouts are fruits.

- A. Neither conclusion (I) nor (II) follows
- B. Both conclusions (I) and (II) follow
- C. Only conclusion (II) follows
- D. Only conclusion (I) follows



Q71 General Intelligence & Reasoning

Refer to the given number, symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) \$ 9 \$ 6 7 8 £ 5 1 8 2 £ 9 3 4 6 9 # 8 8 7 7 (Right)

How many such numbers are there, each of which is immediately preceded by a symbol and also immediately followed by a symbol?

A. 2

B. 3

C. 0

D. 1

**Q72 General Intelligence & Reasoning**

PO 8 is related to SM -5 in a certain way. In the same way, QW 12 is related to TU -1. To which of the following is CJ 18 related, following the same logic?

A. FG 7

B. EH 7

C. FH 5



D. EG 5

Q73 General Intelligence & Reasoning

In a certain code language,
A + B means 'A is the sister of B',
A - B means 'A is the mother of B',
A × B means 'A is the husband of B' and
A ÷ B means 'A is the brother of B'.
Based on the above, how is T related to J if 'T + K ÷ S × U - J'?

A. Father's mother

B. Mother's mother

C. Father's sister



D. Mother's sister

Q74 General Intelligence & Reasoning

Roshan ranked 54th from the top and 18th from the bottom in his class. How many students are there in his class?

A. 72

B. 73

C. 71



D. 70

Q75 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

UXZ 79, QTV 77, MPR 75, ILN 73, ?

A. FGJ 71

B. EGJ 71

C. FHJ 71

D. EHJ 71

**Q76 General Intelligence & Reasoning**

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

Some teachers are writers.
All writers are professionals.

Conclusions:

(I) Some professionals are teachers.
(II) All teachers are professionals.

A. Both conclusions (I) and (II) follow

B. Only conclusion (I) follows



C. Neither conclusion (I) nor (II) follows

D. Only conclusion (II) follows

Q77 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

532 530 526 520 512 ?

A. 498

B. 499

C. 502



D. 501



Q78 General Intelligence & Reasoning

In the following number-pairs, the second number is obtained by applying certain mathematical operation(s) to the first number. Select the number-pair in which the numbers are related in the same way as are the numbers of the following pairs.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

16, 29
25, 47

A. 62, 121



B. 84, 79

C. 95, 186

D. 78, 152

Q79 General Intelligence & Reasoning

Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

PPR NQO LRL ? HTF

A. IJG

B. LKJ

C. KJU

D. JSI

**Q80 General Intelligence & Reasoning**

A, B, C, D, E, F and G are sitting around a circular table facing the centre. Only two people sit between F and B when counted from the right of F. Only two people sit between B and A when counted from the right of B. Only three people sit between F and E when counted from the right of F. D sits to the immediate left of C. How many people sit between F and G when counted from the left of F?

A. Four

B. Two

C. Three

D. One

**General Awareness**

20 Questions • Answer Key

Q81 General Awareness

Who was named the Men's Player of the Year at the AIFF Awards 2025?

A. Subhasish Bose



B. Brison Fernandes

C. Khalid Jamil

D. Vishal Kaith

Q82 General Awareness

As of April 2025, which Ministry/Department approved 10 Plastic Parks in different states under the Scheme for Setting up of Plastic Parks in India?

A. Department of Chemicals and Petro-Chemicals



B. Department of Pharmaceuticals

C. Ministry of Power

D. Ministry of Environment, Forest and Climate Change

Q83 General Awareness

How many indigenously developed weapon systems were released by Defence Research and Development Organization (DRDO) in June 2024 to Indian armed forces under the emergency procurement clause?

A. 18

B. 38

C. 48

D. 28

**Q84 General Awareness**

Which of the following services have been integrated into the newly revamped Mission Vatsalya Portal launched by the Ministry of Women and Child Development in July 2025?

A. TrackChild and Khoya-Paya Services



B. Pradhan Mantri Matru Vandana Yojana and Sakhi

C. Poshan Abhiyaan and Ujjawala Scheme

D. Beti Bachao Beti Padhao and Childline 1098



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Q85 General Awareness

In 2025, which Union Minister inaugurated the Khelo India multipurpose hall in Kamle district, Arunachal Pradesh?

A. Mansukh Mandaviya



B. Kiren Rijiju

C. Dharmendra Pradhan

D. Anurag Thakur

Q86 General Awareness

Where was India's first wooden Gurdwara, Sri Nanak Niwas, constructed in Punjab in July 2025?

A. Khanna

B. Fazilka



C. Moga

D. Abohar

Q87 General Awareness

In June 2025, the Government of India launched which of the following new disaster management tech platforms?

A. Integrated Common Response for Emergency Response

B. Indian Control Room for Emergency Response

C. Integrated Control Room for Emergency Response



D. Integrated Centre Room for Emergency Response

Q88 General Awareness

Which of the following is the goal of the India AI Safety Institute set up in January 2025?

A. Promoting online gaming

B. Developing quantum computers

C. Regulating social media ads

D. Ensuring safe and ethical AI

**Q89 General Awareness**

Which of the following labs under the Defence Research and Development Organisation (DRDO), successfully conducted high-altitude trials of the Indigenous On-Board Oxygen Generating System (OBOGS)-based Integrated Life Support System (ILSS) for the LCA Tejas aircraft, on March 04, 2025?

A. Defence Laboratory Jodhpur (DLJ)

B. Aerial Delivery Research and Development Establishment (ADRDE)

C. Defence Electronics Research Laboratory (DLRL)

D. Defence Bio-Engineering & Electro Medical Laboratory (DEBEL)

**Q90 General Awareness**

Who joined as the Mission Director of Atal Innovation Mission under NITI Aayog in 2025?

A. Deepak Bagla



B. V. K. Paul

C. B S Subrahmanyam

D. Poonam Gupta

Q91 General Awareness

Who inaugurated the newly established Hedging Desk in Pune in 2025?

A. Uddhav Thackeray

B. Eknath Shinde

C. Sharad Pawar

D. Devendra Fadnavis

**Q92 General Awareness**

Which of the following female runners won the women's race in the Paris Marathon 2025?

A. Letesenbet Gidey

B. Dera Dida

C. Angela Tanui

D. Bedatu Hirpa

**Q93 General Awareness**

Which Pakistani female cricketer was inducted into the ICC Hall of Fame in June 2025?

A. Bismah Maroof

B. Sana Mir



C. Nida Dar

D. Diana Baig



Q94 General Awareness

World Ocean Day 2025, observed on 8 June, emphasised which of the following themes?

- A. Sustain the Sea
- B. Revive Ocean Life
- C. Blue Future, Green Planet
- D. Wonder: Sustaining what sustains us ✓

Q95 General Awareness

Who among the following was appointed as a Whole-time Member (Life) at the Insurance Regulatory and Development Authority of India (IRDAI) in March 2025?

- A. Dinesh Khara
- B. Ramesh B Iyer
- C. Ajay Kumar Bhalla
- D. Swaminathan S Iyer ✓

Q96 General Awareness

In June 2025, the Bonn Climate Change Conference 2025 was held in:

- A. Germany ✓
- B. France
- C. Switzerland
- D. Paris

Q97 General Awareness

As per Union Budget 2025–26, for how many years has the Cotton Mission been planned to enhance cotton productivity, especially in extra-long staple varieties?

- A. 5 years ✓
- B. 10 years
- C. 12 years
- D. 2 years

Q98 General Awareness

What is the name of Google's largest campus in India, unveiled in February 2025, that marks a milestone in the ongoing seismic shift in technology?

- A. Mahakaya
- B. Vishaal
- C. Kshitij
- D. Ananta ✓

Q99 General Awareness

How much carbon sink does the Revised Green India Mission (GIM) Plan released in 2025 aim to create by 2030?

- A. 1 billion tonnes
- B. 2.5 billion tonnes
- C. 4 billion tonnes
- D. 3.39 billion tonnes ✓

Q100 General Awareness

In July 2025, which investigative authority unearthed over ₹24 crore in unaccounted assets in Karnataka?

- A. Central Bureau of Investigation
- B. Income Tax Department
- C. Karnataka Lokayukta ✓
- D. Enforcement Directorate



General Science

25 Questions • Answer Key

Q1 General Science

Electric current is expressed as:

- A. amount of charge per unit length
- B. energy consumed per unit time
- C. rate of flow of electric charge ✓
- D. amount of charge per unit area

Q2 General Science

How does fumigation help in the safe storage of food grains?

- A. It increases the weight of the grains.
- B. It adds nutrients to the grains.
- C. It prevents moisture loss from grains.
- D. It kills pests and insects that could otherwise damage stored grains. ✓

Q3 General Science

Which of the following correctly identifies a solution where the solute and solvent are both elements, and the solution is homogeneous?

- A. Carbon dissolved in water
- B. Iron filings mixed with Sulphur
- C. Oxygen mixed with Nitrogen in air ✓
- D. Sugar dissolved in water

Q4 General Science

The work required by an external force to bring a moving body to rest is equal to:

- A. its momentum
- B. its weight
- C. its potential energy
- D. its kinetic energy ✓

Q5 General Science

The working principle of a stethoscope is based on the _____.

- A. absorption of high-frequency sound
- B. reflection of sound ✓
- C. conversion of sound into electric signals only
- D. conversion of sound into light for observation

Q6 General Science

Which functional group present in aldehyde?

- A. -CHO ✓
- B. -OH
- C. -CO
- D. -COOH

Q7 General Science

Which part of the neuron contains the nucleus and the cytoplasm?

- A. Cell body ✓
- B. Nerve endings
- C. Axon
- D. Dendrites

Q8 General Science

Which of the following statements is true for a concave lens?

- A. Image is always virtual and on the opposite side
- B. Image is always real
- C. Image is always virtual, erect, and on the same side as the object ✓
- D. Image is much larger than object

Q9 General Science

What happens to the density of a substance when the temperature of a substance increases?

- A. Density decreases ✓
- B. Density increases
- C. Density doubles
- D. Density has no effect

Q10 General Science

When lead nitrate reacts with potassium iodide, a yellow precipitate of compound 'X' is formed. Identify compound X.

- A. Lead(II) nitrite [Pb(NO₂)₂]
- B. Lead(II) nitrate [Pb(NO₃)₂]
- C. Lead(II) iodide (PbI₂) ✓
- D. Potassium nitrate (KNO₃)



Q11 General Science

Which of the following quantities does NOT affect the buoyant force acting on a body immersed in a fluid?

- A. Density of object ✓
- B. Gravitational acceleration
- C. Volume of displaced fluid
- D. Density of fluid

Q12 General Science

Which of the following statements about electric field lines is correct?

- A. They can form closed loops
- B. They never intersect ✓
- C. They are always straight lines
- D. They start on negative charges and end on positive charges

Q13 General Science

A man undergoes a minor surgical procedure that prevents sperm from mixing with semen. Which structure was most likely altered?

- A. Urethra
- B. Vas deferens ✓
- C. Testis
- D. Penis

Q14 General Science

Which of the following statements about adrenaline is INCORRECT?

- A. It increases heart rate and breathing rate to supply more oxygen to the muscles.
- B. It helps the body respond to stress or emergency by triggering the 'fight or flight' response.
- C. It reduces blood supply to the digestive system and directs it toward the skeletal muscles.
- D. It promotes digestion by increasing blood flow to the stomach. ✓

Q15 General Science

The DNA in the cell nucleus is the information source for the making of which of the following substances?

- A. Glucose
- B. Protein ✓
- C. Lipid
- D. Fructose

Q16 General Science

Which of the following is a biological method of crop protection?

- A. Burning crop residues
- B. Spraying DDT
- C. Introducing pest predators ✓
- D. Ploughing

Q17 General Science

Which of the following alcohols is commonly used as a fuel or fuel additive?

- A. Ethanol ✓
- B. Propanol
- C. Methanol
- D. Butanol

Q18 General Science

A car starts to move from rest and attains a velocity of 20 m/s in 4 seconds. What is the acceleration of the car?

- A. 5 m/s² ✓
- B. 80 m/s²
- C. 100 m/s²
- D. 4 m/s²

Q19 General Science

Ethanol is miscible with water due to presence of which functional group?

- A. Carboxyl group
- B. Carbon chain
- C. Hydroxyl group ✓
- D. Double bond

Q20 General Science

Which of the following statements correctly describes a typical physical property of metals?

- A. Metals are poor conductors of heat and electricity.
- B. Metals are generally brittle and break easily when hammered.
- C. Metals have low melting and boiling points.
- D. Metals are sonorous and produce sound when struck. ✓



Q21 General Science

For concave mirror, the height of an image above the principal axis _____.

A. is considered positive



B. depends on object position

C. is considered negative

D. is considered zero

Q22 General Science

Which of the following is a function of the Smooth Endoplasmic Reticulum (SER)?

A. Assembly of ribosomes

B. Synthesis of proteins

C. Modification of sugars

D. Manufacture of lipids

**Q23 General Science**

Which of the following is true about heterogeneous mixtures?

A. The composition is the same throughout

B. The components cannot be separated

C. The individual substances retain their properties



D. It behaves like a compound

Q24 General Science

A body moves along a straight line with varying speed. Its displacement in 10 s is 50 m. What is the average velocity?

A. 25 m/s

B. 50 m/s

C. 5 m/s



D. 10 m/s

Q25 General Science

Which of the following helps in maintaining reproductive health?

A. Early marriage

B. Health education and medical care



C. Junk food

D. Ignoring hygiene

Mathematics

25 Questions • Answer Key

Q26 Mathematics

Water flows through a cylindrical pipe of diameter 14 cm at a speed of 15 km/hr into a rectangular tank 50 m long and 44 m wide. How long will it take for the water level in the tank to rise by 21 cm?

A. 2 hours



B. 3 hours

C. 1.5 hours

D. 2.5 hours

Q27 Mathematics

The average age of 40 students of a class is 33 years. If the age of the teacher is also included, the average age of the whole group becomes 34 years. The age (in years) of the teacher is:

A. 74



B. 77

C. 73

D. 76

Q28 Mathematics

A shopkeeper marks the price of an article at ₹5,360. Find the cost price if after allowing a discount of 8% he still gains 34% on the cost price.

A. ₹3,557

B. ₹3,686

C. ₹3,622

D. ₹3,680

**Q29 Mathematics**

If a X m long train running at a speed of 59 m/sec crosses a railway platform in 9 sec. Find the value of X, if the length of the railway platform is 279 m.

A. 256

B. 253

C. 252



D. 262



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Q30 Mathematics

A car travels from City A to City B, a distance of 150 km, at a speed of 60 km/hr. On the way back, due to heavy traffic, the car's speed decreases. If the total time for the round trip is 7 hours 30 min, what is the speed during the return trip?

A. 30 km/hr



B. 42 km/hr

C. 45 km/hr

D. 36 km/hr

Q31 Mathematics

Thomas is 38 years old. His nephew is 26 years younger than him. In how many years will Thomas's age be 14 years less than three times his nephew's age?

A. 3

B. 5

C. 8



D. 2

Q32 Mathematics

The value of $999.99 + 99.99 + 9.99$ is:

A. 1999.9

B. 1109.97



C. 1119.99

D. 1109.99

Q33 Mathematics

Aakash, Suman and Raj invest ₹1,720, ₹1,690 and ₹1,240, respectively, to start a business. If the profit at the end of the year is ₹1,440, then what is the share of Raj in the profit?

A. ₹381

B. ₹384



C. ₹385

D. ₹382

Q34 Mathematics

If 20% of a number is added to 84, then the result is the same number. 65% of the same number is:

A. 88.25

B. 98.25

C. 68.25



D. 78.25

Q35 Mathematics

The LCM of two numbers is four times their HCF. The sum of their LCM and HCF is 140. If one of the numbers is 112, find the other number.

A. 25

B. 28



C. 27

D. 26

Q36 Mathematics

A sum of money was invested at simple interest at a certain rate for 4 years. Had it been invested at a 3% per annum higher rate, it would have fetched ₹960 more. Find the principal.

A. ₹8,300

B. ₹8,000



C. ₹7,800

D. ₹7,500

Q37 Mathematics

Prakhar and Riya together invested ₹33,500 in a business. At the end of the year, out of a total profit of ₹6,700, Prakhar's share was ₹2,000. What was Prakhar's investment?

A. ₹10,370

B. ₹8,540

C. ₹11,210

D. ₹10,000

**Q38 Mathematics**

X people were given a contract for doing a piece of work in 28 days. 5 people did not turn up to work due to sickness, and the rest of the people completed the work in 30 days. What is the value of X?

A. 74

B. 75



C. 82

D. 65



Q39 Mathematics

One pipe can fill a tank in 3 minutes, while another pipe can empty the completely filled tank in 12 minutes. If both the pipes are opened together when the tank is empty, how many minutes will it take to fill one-fourth of the tank?

A. 1



B. 3

C. 4

D. 2

Q40 Mathematics

Ravi's father is 4 times as old as Ravi. After 5 years, the father's age will be 3 times Ravi's age. What is Ravi's present age?

A. 10 years



B. 18 years

C. 15 years

D. 12 years

Q41 Mathematics

In a group of 150 players consisting of males and females, 58% are males. The average weight of the male players is 82 kg, while that of the female players is 72 kg. Find the average weight (in kg) of all the players in the group.

A. 76.4

B. 75.9

C. 77.2

D. 77.8

**Q42 Mathematics**

A manufacturer sells a transistor for ₹840 at a gain of 20% to a shopkeeper. The shopkeeper then sells it to a customer at a profit of 10%. What is the difference between the cost price to the manufacturer and the cost price to the customer (in ₹)?

A. 345

B. 224



C. 200

D. 250

Q43 Mathematics

Arrange the following schemes in the ascending order of their discounts.

A. Buy 5 get 6 free.

B. A single discount of 82%.

C. Two successive discounts of 11% and 24%.

A. C, A, B



B. C, B, A

C. B, C, A

D. A, B, C

Q44 Mathematics

In an examination, the percentage of students who qualified from school X to the number of students who appeared from that school is 80%. In school Y, the number of students who appeared is 15% more than those from school X, and the number of students who qualified is 30% more than the number of students qualified from school X. What is the percentage of students qualified to the number of students who appeared from school Y (rounded off to one decimal place)?

A. 80.4%

B. 90.4%



C. 88.8%

D. 84.6%

Q45 Mathematics

In quadrilateral PQRS, the bisectors of $\angle R$ and $\angle S$ meet at point T (inside the quadrilateral) and $\angle STR = 24^\circ$. If the ratio of $\angle P$ to $\angle Q$ is 3 : 5, then what is the difference between the measures of $\angle Q$ and $\angle P$?

A. 11°

B. 12°



C. 17°

D. 15°



Q46 Mathematics

If $a + \frac{1}{a} = 12$, then find the value of $a^2 + \frac{1}{a^2}$.

A. 140

B. 142 

C. 138

D. 144

Q47 Mathematics

The curved surface area of a cylinder is 528 m^2 and its volume is 1848 m^3 . Find the total surface area (in m^2) of the cylinder.
(Take $\pi = \frac{22}{7}$)

A. 840

B. 836 

C. 842

D. 832

Q48 Mathematics

If $\cos \alpha = \frac{5}{13}$, where α is acute, find the value of $\sec \alpha - \tan \alpha$.

A. $\frac{5}{12}$ B. $\frac{1}{5}$ C. $\frac{13}{12}$ D. $\frac{4}{5}$ **Q49** Mathematics

Simplify: $(2^4)^3 \times (2^5)^2 \div 2^7$

A. 27

B. 215 

C. 210

D. 212



Q50 Mathematics

$\frac{1}{20}$ is what percentage of $\frac{10}{100}$?

A. 60%

B. 100%

C. 65%

D. 50%

**General Intelligence & Reasoning**

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

Shantanu starts from Point A and drives 4 km towards the north. He then takes a right turn, drives 5 km, then turns right and drives 7 km. He then takes a right turn and drives 10 km. He takes a final right turn, drives 3 km, and then stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only, unless specified).

A. 5 km towards east



B. 9 km towards south

C. 4 km towards west

D. 5 km towards north

Q52 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

23 40 57 74 91 ?

A. 106

B. 107

C. 105

D. 108

**Q53 General Intelligence & Reasoning**

Riddhima ranked 18th from the top and 43rd from the bottom in his class. How many students are there in the class?

A. 61

B. 43

C. 60



D. 50

Q54 General Intelligence & Reasoning

Each of the digits in the number 5628743 is arranged in ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

A. One

B. None



C. Three

D. Two

Q55 General Intelligence & Reasoning

In a certain code language,

A + B means 'A is the father of B',

A - B means 'A is the mother of B',

A * B means 'A is the sister of B' and

A ÷ B means 'A is the brother of B'.

Based on the above, how is P related to T if 'P - Q * R + S ÷ T'?

A. Mother's sister

B. Father's mother



C. Sister

D. Mother's mother

Q56 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 4 8 2 7 3 9 8 5 3 9 4 1 4 8 9 8 3 8 5 6 4 8 4 5 8 4 6

(Right)

How many such even numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

A. Three



B. Two

C. Four

D. Five



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Q57 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All chalan are tax.

All chalan are rebate.

Conclusions:

(I): Some tax are rebate.

(II): All rebate are chalan.

A. Both conclusions (I) and (II) follow.

B. Only conclusion (II) follows.

C. Neither conclusion (I) nor (II) follows.

D. Only conclusion (I) follows.

**Q58 General Intelligence & Reasoning**

Mr. Akai starts from Point A and drives 5 km towards south. He then takes a right turn, drives 15 km, turns right and drives 24 km. He then takes a right turn and drives 29 km. He takes a final right turn, drives 19 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified)

A. 10 km to the north

B. 14 km to the west



C. 10 km to the south

D. 14 km to the east

Q59 General Intelligence & Reasoning

In a certain code language, 'CLAW' is coded as '3948' and 'FLAW' is coded as '9748'. What is the code for 'F' in that language?

A. 4

B. 9

C. 8

D. 7

**Q60 General Intelligence & Reasoning**

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(46, 56, 10)
(22, 33, 11)

A. (35, 63, 25)

B. (12, 29, 14)

C. (4, 17, 10)

D. (15, 20, 5)

**Q61 General Intelligence & Reasoning**

In a certain code language, 'FIRE' is coded as '2739' and 'RISE' is coded as '3978'. What is the code for 'S' in the given code language?

A. 3

B. 9

C. 8



D. 7

Q62 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. HK-FJ

B. JM-HL

C. FI-DH

D. DG-BE

**Q63 General Intelligence & Reasoning**

Seven boxes B, C, D, I, J, K and L are kept one over the other but not necessarily in the same order. Only I is kept above C. Only L is kept between C and J. Only K is kept below D. How many boxes are kept between B and I?

A. One

B. Four

C. Two

D. Three



Q64 General Intelligence & Reasoning

A, B, C, D, E, F and G are sitting around a circular table facing the centre. B sits to the immediate left of F. C sits second to the right of F. E sits third to the left of B. D sits to the immediate right of A.

How many people sit between G and D when counted from the left of G?

A. Five

B. Two



C. Three

D. Four

Q65 General Intelligence & Reasoning

D, E, F, G, L, M and N are sitting in a straight line facing north.

No one sits to the left of D. Only four people sit between D and G. Only three people sit to the right of M. L sits to the immediate left of E. N is not an immediate neighbour of M. Who sits at the rightmost end of the line?

A. D

B. N



C. G

D. F

Q66 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the letter-cluster that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. XTR

B. MIG

C. CZW



D. FBZ

Q67 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All denims are trousers.

All trousers are shoes.

Conclusions:

(I): Some shoes are trousers.

(II): All denims are shoes.

A. Only conclusion (II) follows

B. Only conclusion (I) follows

C. Both conclusions (I) and (II) follow



D. Neither conclusion (I) nor (II) follows

Q68 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

312 310 306 300 292 282 ?

A. 274

B. 270



C. 272

D. 276

Q69 General Intelligence & Reasoning

Refer to the number series given below and answer the question that follows. Counting to be done from left to right only.

(NOTE: All numbers are single-digit numbers only.)

(Left) 7 4 5 5 4 7 9 8 4 3 9 2 1 5 7 9 7 8 3 3 8 2 1 9 6 9 7
(Right)

How many such even digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

A. One

B. Two



C. Three

D. More than three



Q70 General Intelligence & Reasoning

This question is based on the following words.

(Left) TOK, THE, HAS, ALL, COW (Right)

If in each of the words, each letter is changed to the letter immediately following it in the English alphabetical order, how many words thus formed will have no vowel?

A. Two



B. One

C. Four

D. Three

Q71 General Intelligence & Reasoning

In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

BEST - TSBE - BSET
COWS - SWCO - CWOS

A. SALT - SLAT - TLAS

B. PAGE - EGPA - AGPE

C. URIC - RIUC - RICU

D. MADE - EDMA - MDAE

**Q72 General Intelligence & Reasoning**

If 'A' stands for ' $\div$ ', 'B' stands for ' $\times$ ', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark '?' in the following equation?

10 B 2 C 7 D 8 A 2 = ?

A. 23



B. 24

C. 21

D. 22

Q73 General Intelligence & Reasoning

This question is based on the five, three-digit numbers given below.

(Left) 548 658 254 369 714 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

What will be the resultant if the second digit of the second highest number is multiplied with the the third digit of the lowest number?

A. 20



B. 17

C. 19

D. 18

Q74 General Intelligence & Reasoning

In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

MANY - YMNA - MYAN
WING - GWNI - WGIN

A. LADY - YLDA - LAYD

B. UNIT - TUIN - UTNI



C. ROSE - ORSE - EOSR

D. DUSK - KDUS - USKD

Q75 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

310 320 321 331 332 342 ?

A. 344

B. 341

C. 342

D. 343

**Q76 General Intelligence & Reasoning**

Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

NG-LE-JL
KD-IB-GI

A. RJ-OG-MP

B. QJ-OH-MO



C. QJ-OH-MP

D. RJ-OH-MP



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Q77 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

KM 17, NP 20, QS 23, TV 26, ?

A. WY 29



B. XY 30

C. WY 30

D. XY 29

Q78 General Intelligence & Reasoning

What will come in the place of '?' in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$428 \div 2 + 183 \times 3 - 127 = ?$$

A. 942

B. 821

C. 922



D. 811

Q79 General Intelligence & Reasoning

A, B, C, D, W, X and Y are sitting in a straight line, facing the north.

Only two people sit to the right of X. Only two people sit between X and C. Only two people sit between A and D. D sits to the immediate left of X. B sits to the immediate right of Y.

Who sits at the third position from the left end of the line?

A. C

B. D

C. A

D. W

**Q80 General Intelligence & Reasoning**

Which letter cluster will replace the question mark (?) to complete the given series?

ILL LKN OJP RIR ?

A. JMK

B. OLI

C. UHT



D. MKP

General Awareness

20 Questions • Answer Key

Q81 General Awareness

In 2025, which Indian female athlete set a new national record in the 3000 m steeplechase event?

A. Jyothi Yarraji

B. Parul Chaudhary



C. Hima Das

D. Annu Rani

Q82 General Awareness

What was the theme of National Doctor's Day in 2025?

A. Family Doctors on the Front Line

B. Celebrating Resilience and Healing Hands

C. Behind the Mask: Who Heals the Healers?



D. Healing Hands, Caring Hearts

Q83 General Awareness

How many Kirti Chakras were conferred during the Defence Investiture Ceremony 2025 (Phase-I)?

A. 7

B. 4

C. 5

D. 6

**Q84 General Awareness**

According to the Reserve Bank of India's announcement in May 2025, which denomination of the Mahatma Gandhi (New) Series banknote, carrying the signature of the new RBI Governor, Sanjay Malhotra, is set to be released?

A. ₹20



B. ₹5

C. ₹100

D. ₹200



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Q85 General Awareness

As announced by Indian Space Research Organisation (ISRO) in February 2025, what is the weight of the world's largest vertical propellant mixer for solid rocket motors?

- A. 7 tonnes
- B. 5 tonnes
- C. 10 tonnes
- D. 13 tonnes

Q86 General Awareness

Vaidya Tara Chand Sharma, Vaidya Maya Ram Uniyal and Vaidya Sameer Govind Jamadagni were the recipients of which of the following awards in 2025?

- A. Nelson Mandela Award for Health Promotion
- B. National Florence Nightingale Awards
- C. National Dhanwantari Ayurveda Awards
- D. National Award to Teachers

Q87 General Awareness

Up to what depth will India's first manned deep ocean mission 'Samudrayaan' be launched, using the manned submersible vehicle 'Matsya,' by the end of 2026?

- A. 8,000 metres
- B. 9,500 metres
- C. 4,500 metres
- D. 6,000 metres

Q88 General Awareness

Who among the following was elected as the President of South Korea in June 2025?

- A. Kim Moon-soo
- B. Yoon Suk Yeol
- C. Lee Jun-seok
- D. Lee Jae-myung

Q89 General Awareness

What was the name of the military operation launched by the Indian Armed Forces in response to the Pahalgam terror attack in 2025?

- A. Operation SAUBHAGYA
- B. Operation SINDOOR
- C. Operation SUHAGAN
- D. Operation MANGALSUTRA

Q90 General Awareness

What was the distance Krishna Jayasankar achieved in her record-breaking indoor shot put performance in 2025?

- A. 16.03 m
- B. 17.5 m
- C. 12.7 m
- D. 14.2 m

Q91 General Awareness

In May 2025, which of the following two companies received Reserve Bank of India's (RBI) in-principle approval for cross-border payment aggregation?

- A. PhonePe and Razorpay
- B. Google Pay and Stripe
- C. PayPal and Worldline
- D. Amazon Pay and Instamojo

Q92 General Awareness

In which country was the FIG Apparatus World Cup 2025, where Pranati Nayak won bronze, held?

- A. India
- B. Germany
- C. Turkey
- D. Japan

Q93 General Awareness

Which IIHF goaltender was named MVP of the 2025 World Championship?

- A. Leonardo Genoni
- B. David Pastrňák
- C. Nick Olesen
- D. Zach Werenski

Q94 General Awareness

With which defense organisation has the Indian Navy jointly conducted successful combat trials of the indigenously developed Multi-Influence Ground Mine (MIGM) in May 2025?

- A. Hindustan Aeronautics
- B. Armed Forces Tribunal
- C. Defense Research and Development Organisation
- D. Bharat Dynamics



Q95 General Awareness

According to the Finland-based Centre for Research on Energy and Clean Air (CREA), which region was identified as the most polluted zone in India in October 2025?

A. Indo-Gangetic Plain



B. Deccan Plateau

C. Eastern Himalayas

D. Western Ghats

Q96 General Awareness

What was the theme of the 9th International Maritime Security Conference (IMSC) organised by the Republic of Singapore in May 2025?

A. Maritime Connectivity and Economic Growth

B. Safe and Secure Seas



C. Emerging Challenges in Undersea Technologies

D. Navigating New Horizons in Maritime Innovation

Q97 General Awareness

Who among the following won the International Booker Prize in 2025 for 'Heart Lamp'?

A. Kiran Desai

B. Arundhati Roy

C. Banu Mushtaq



D. Salman Rushdie

Q98 General Awareness

In May 2025, what change did the Supreme Court make regarding environmental clearances (EC)?

A. Made ECs optional

B. Allowed clearances without public hearings

C. Rejected retrospective ECs as illegal



D. Approved retrospective clearances

Q99 General Awareness

In a landmark judgment on 8 April 2025, the Supreme Court deemed which state governor's refusal to assent to 10 state bills as illegal and unconstitutional?

A. Telangana

B. Maharashtra

C. Andhra Pradesh

D. Tamil Nadu

**Q100 General Awareness**

Which Indian state leads in mangrove afforestation under MISHTI scheme as of February 2025?

A. Gujarat



B. Odisha

C. Andhra Pradesh

D. West Bengal



General Science

25 Questions • Answer Key

Q1 General Science

A cube of side a is made of a material of resistivity ρ . What will be the resistance between two opposite faces of the cube?

- A. ρa
- B. $2\rho a$
- C. ρ/a^2
- D. ρ/a ✓

Q2 General Science

What is the molecular mass of glucose? (C = 12 u, H = 1 u, O = 16 u)

- A. 150 u
- B. 160 u
- C. 180 u ✓
- D. 120 u

Q3 General Science

When a person looks at a nearby object, the ciliary muscles:

- A. Relax and make the lens thinner
- B. Contract and make the lens thinner
- C. Contract and make the lens thicker ✓
- D. Relax and make the lens thicker

Q4 General Science

What is the motion of an object called when it travels along a circular path at a constant speed?

- A. Linear motion
- B. Non-uniform circular motion
- C. Non-linear motion
- D. Uniform circular motion ✓

Q5 General Science

The following vehicles are all moving at a velocity of 50 km/hr. All the vehicles need to be stopped at the same point. Which vehicle has to apply more force in breaks to stop the vehicle?

- A. Car
- B. Bicycle
- C. Bus ✓
- D. Scooter

Q6 General Science

If the mass of the moon is doubled while keeping the distance between Earth and the moon constant, the gravitational force between Earth and the moon would:

- A. Double ✓
- B. Remain the same
- C. Become zero
- D. Half

Q7 General Science

Which of the following groups is most at risk of HIV infections?

- A. People who do not exercise regularly
- B. People who exercise regularly
- C. People who maintain personal hygiene
- D. Individuals who have multiple unprotected sexual partners ✓

Q8 General Science

Which of the following statements about movement is INCORRECT?

- A. Movement is a characteristic of living organisms.
- B. Living organisms show internal or molecular movement, even when external movement is not visible.
- C. Molecular movement is only found in animals, not plants. ✓
- D. Growth-related movement in plants, like bending toward light, is a form of movement.



Q9 General Science

Over-secretion of growth hormone in adults results in which of the following?

- A. Graves' disease
- B. Addison's disease
- C. Dwarfism
- D. Acromegaly ✓

Q10 General Science

Which of the following is a chemical property?

- A. Boiling point
- B. Fluidity
- C. Burning in air ✓
- D. Melting point

Q11 General Science

If a device is rated 90 W at 120 V, the current drawn is _____.

- A. 1.33 A
- B. 0.75 A ✓
- C. 0.25 A
- D. 1.50 A

Q12 General Science

Which of the following is formed by each step of the food chain?

- A. Troposphere level
- B. Ozone layer
- C. Stratosphere level
- D. Trophic level ✓

Q13 General Science

The kinetic energy of a body of mass m moving with a velocity v m/s is 'X' J. If the velocity of the body changes to $4v$ m/s, what will be the value of kinetic energy?

- A. $4X$ J
- B. $2X$ J
- C. $8X$ J
- D. $16X$ J ✓

Q14 General Science

Which of the following is the most common simple permanent tissue in plants?

- A. Parenchyma ✓
- B. Sclerenchyma
- C. Chlorenchyma
- D. Aerenchyma

Q15 General Science

Apiaries help us in the production of which of the following food materials?

- A. Milk
- B. Fish
- C. Honey ✓
- D. Poultry egg

Q16 General Science

Which of the following properties makes ethanol a better alternative fuel compared to petrol?

- A. Ethanol burns with a clean, smokeless flame ✓
- B. Ethanol has a higher boiling point than petrol
- C. Ethanol is a solid fuel
- D. Ethanol produces harmful smoke when burned

Q17 General Science

Which of the following statements is correct about the image formed by a convex mirror?

- A. Virtual and erect image ✓
- B. Real and erect image
- C. Magnified image
- D. Real and inverted image

Q18 General Science

Which of the following will NOT show Tyndal effect?

- A. Milk
- B. Starch
- C. Copper sulphate solution ✓
- D. Emulsion



Q19 General Science

In which of the following forms of reproduction, both sexes, males and females are needed to produce new generations?

- A. Spore formation
- B. Budding
- C. Sexual reproduction
- D. Fragmentation

Q20 General Science

The _____ ores are converted to their respective oxides by the process of roasting.

- A. chloride
- B. sulphide
- C. sulphite
- D. carbonate

Q21 General Science

A white solid reacts with dilute HCl, producing a gas that turns lime water milky. What can be definitely concluded?

- A. The solid is a metal carbonate, releasing carbon dioxide.
- B. The solid is calcium carbonate.
- C. The gas is carbon dioxide; the solid is either a carbonate or bicarbonate.
- D. The gas is hydrogen, indicating a reactive metal.

Q22 General Science

The covalent bonding behaviour of the carbon compounds corresponds to which of the following characteristics of these compounds?

- A. Low boiling point
- B. Both low melting and boiling point
- C. High conductance
- D. Low melting point

Q23 General Science

What is the chemical formula of baking soda?

- A. NaHCO_3
- B. Na_2CO_3
- C. NaOH
- D. NaCl

Q24 General Science

Which statement is INCORRECT about fragmentation (asexual reproduction)?

- A. Produces genetically identical offspring
- B. Occurs in multicellular organisms
- C. Spore formation is a type of fragmentation process
- D. Involves maturation before splitting

Q25 General Science

How does the sound of a patient's heartbeat reach the doctor's ears through a stethoscope?

- A. The sound travels directly through the stethoscope without any reflection.
- B. The stethoscope uses electricity to amplify the heartbeat sound.
- C. The sound is carried by moving air from the chest to the doctor's ears.
- D. In stethoscopes, the sound of the patient's heartbeat reaches the doctor's ears by multiple reflection of sound.



Q26 Mathematics

The sum of the present ages of father and son is 96. 20 years ago, the father was three times as old as his son. What is the ratio of the present ages of the father and his son?

A. 32 : 17

B. 32 : 15

C. 31 : 17



D. 31 : 16

Q27 Mathematics

The length, breadth and height of a cuboid are in the ratio 6 : 5 : 3. If the volume of the cuboid is 720 m^3 , find its surface area (in m^2).

A. 458

B. 424

C. 360

D. 504

**Q28 Mathematics**

A skilled worker earns ₹100 per day and an unskilled worker earns ₹50. If 5 workers earn ₹400 together in one day, how many skilled workers were there?

A. 2

B. 3



C. 4

D. 1

Q29 Mathematics

Three pipes, X, Y, and Z, can fill a tanker in 360 minutes, 540 minutes, and 720 minutes, respectively. Y and Z are opened for 30 minutes, then X is also opened. The time taken by the three pipes together to fill the remaining part of the tank is:

A. 155 minutes

B. 150 minutes



C. 152 minutes

D. 158 minutes

Q30 Mathematics

The average of 6.5, 10.6, 19.7 and a is 13. The value of a is:

A. 17.2

B. 15.2



C. 16.2

D. 14.2

Q31 Mathematics

What is the average speed of a truck that covers half the distance at the speed of 20 km/hr and the other half at the speed of 80 km/hr?

A. 37 km/hr

B. 40 km/hr

C. 41 km/hr

D. 32 km/hr

**Q32 Mathematics**

A dealer marks his goods at 30% above the cost price and allows a discount of 38% on the marked price. What is his loss percentage?

A. 19.4%



B. 22.9%

C. 21.3%

D. 18.6%

Q33 Mathematics

Two trains having lengths of 410 m and 440 m are running at speeds of 130 km/hr and 140 km/hr, respectively, in the same direction. The time taken (in minutes) by the faster train, coming from behind, to completely cross the other train is:

A. 5.1



B. 6

C. 14.7

D. 8.1

Q34 Mathematics

Subtracting 1% of X from X is the same as multiplying X by:

A. 0.001

B. 0.01

C. 0.99



D. 0.5



Q35 Mathematics

A manufacturer sells an article to a wholesaler at a profit of 20%. The wholesaler then sells it to a retailer at a profit of 25%, and the retailer sells it to a customer at a profit of 24%. If the retailer's selling price is ₹372, what was the manufacturing cost of the article?

A. ₹120

B. ₹100

C. ₹200



D. ₹172

Q36 Mathematics

A and B working together can do a piece of work in 5 days. B alone can do the same work in 55 days. How long (in days) will A alone take to do double the work?

A. 12

B. 14

C. 11



D. 5.5

Q37 Mathematics

What is the difference between the simple interest on a principal of ₹5,000 being calculated at 5% per annum for 3 years and 4% per annum for 4 years?

A. ₹50



B. ₹45

C. ₹55

D. ₹40

Q38 Mathematics

A store is offering 'Buy 47, get 9 free' on household items. What is the net percentage discount (approximately) being offered by the store?

A. 19.02%

B. 17.75%

C. 13.81%

D. 16.07%

**Q39 Mathematics**

The sides of a triangle are 120 cm, 174 cm, and 126 cm. What is its area (in cm^2)?

A. 7561

B. 7552

C. 7560



D. 7570

Q40 Mathematics

The sum of the first 10 prime numbers is:

A. 130

B. 133

C. 129



D. 131

Q41 Mathematics

In a bag containing teal, maroon, and lime tokens, the ratio of teal to maroon tokens was 15 : 10, while the ratio of lime to teal tokens was 19 : 11. What was the ratio of lime to maroon tokens?

A. 64 : 23

B. 57 : 22



C. 49 : 16

D. 63 : 29

Q42 Mathematics

By selling an article for ₹528, a trader incurs a loss of 12%. At what price should he sell the article to gain 12%?

A. ₹628

B. ₹678

C. ₹666

D. ₹672

**Q43 Mathematics**

The average age of 26 students of a class is 37 years. If the age of the teacher is also included, the average age of the whole group becomes 38 years. The age (in years) of the teacher is:

A. 61

B. 62

C. 65

D. 64

**Q44 Mathematics**

The sum of the first 5 prime numbers is:

A. 28



B. 32

C. 27

D. 26



Q45 Mathematics

Vinod, Kajal and Arpit invest ₹1,040, ₹1,390 and ₹1,890, respectively, to start a business. If the profit at the end of the year is ₹1,440, then what is the share of Arpit in the profit?

A. ₹630



B. ₹627

C. ₹632

D. ₹629

Q46 Mathematics

Which of the following sets of numbers can form the sides of a triangle?

A. {5 cm, 6 cm, 11 cm}

B. {10 cm, 8 cm, 2 cm}

C. {8 cm, 9 cm, 4 cm}



D. {9 cm, 12 cm, 22 cm}

Q47 Mathematics

Find the value of x , if $17 \times 684 \div 57 - \frac{5}{7}$ of $4.2 = x + 13 \times 204 \div 17$.

A. 42

B. 48

C. 45



D. 54

Q48 Mathematics

If $x = -15$, $y = 25$ and $z = -10$, then find the value of $x^3 + y^3 + z^3$.

A. 13250

B. 11250



C. 12250

D. 10250

Q49 Mathematics

$\frac{1}{20}$ is what percentage of $\frac{10}{20}$?

A. 10%



B. 20%

C. 25%

D. 30%



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Q50 Mathematics

If $\cos\theta = \frac{8}{17}$, what is the value of $\sin\theta$?

A. $\frac{15}{17}$



B. $\frac{15}{8}$

C. $\frac{8}{15}$

D. $\frac{17}{15}$

General Intelligence & Reasoning

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

PL 13 is related to SQ 16 in a certain way. In the same way, IE 18 is related to LJ 21. To which of the following is OK 26 related, following the same logic?

A. TP 29

B. RM 28

C. TM 28

D. RP 29

**Q52 General Intelligence & Reasoning**

In a certain code language, 'kit son pit' is coded as 'ai lm go' and 'boss pit poem' is coded as 'lm jn yt'. How is 'pit' coded in the given language?

A. jn

B. ai

C. lm



D. go

Q53 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All schools are colleges.

No college is a radio.

Conclusions:

(I) Some colleges are schools.

(II) No school is a radio.

A. Neither conclusion (I) nor (II) follows

B. Only conclusion (II) follows

C. Only conclusion (I) follows

D. Both conclusions (I) and (II) follow

**Q54 General Intelligence & Reasoning**

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

PDG 12, RFI 16, THK 20, VJM 24, ?

A. XLO 28



B. YKP 28

C. XLP 26

D. YLO 26



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Q55 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). (Counting to be done from left to right only).

(Left) 4 1 1 7 2 4 1 2 7 4 4 9 6 3 9 1 6 1 9 2 2 8 8 (Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- A. Three
- B. Four
- C. Two
- D. One

Q56 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some keyboards are mice.
All inverters are mice.

Conclusions:

- (I) Some keyboards are inverters.
- (II) All mice are inverters.

- A. Only conclusion (I) follows
- B. Only conclusion (II) follows
- C. Both conclusions (I) and (II) follow
- D. Neither conclusion (I) nor (II) follows

Q57 General Intelligence & Reasoning

Harshit starts from Point A and drives 6 km towards the east. He then takes a right turn, drives 6 km, turns right and drives 12 km. He then takes a right turn and drives 11 km. He takes a final right turn, drives 6 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

- A. 5 km to the South
- B. 6 km to the South
- C. 5 km to the North
- D. 6 km to the North

Q58 General Intelligence & Reasoning

Select the triad that follows the same pattern as the one followed by the two triads given below. Both triads follow the same pattern.

OH-QK-TV
LE-NH-QS

- A. SK-TN-WZ
- B. RK-TN-WZ
- C. RK-TN-WY
- D. SK-TM-WZ

Q59 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers only.)

(Left) 1 2 4 5 7 2 9 6 7 3 4 1 6 6 9 8 4 7 6 1 7 3 4 9 7 (Right)

How many such digits are there each of which is immediately preceded by a perfect square and also immediately followed by an odd number?
(NOTE: 1 is also a perfect square)

- A. Four
- B. Two
- C. One
- D. Three

Q60 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- A. BZW
- B. AYV
- C. DBY
- D. QPL

Q61 General Intelligence & Reasoning

In a certain code language, 'TOUR' is coded as '8571' and 'DOUT' is coded as '5478'. What is the code for 'D' in the given code language?

- A. 8
- B. 4
- C. 7
- D. 5



Q62 General Intelligence & Reasoning

Seven boxes, M, N, O, P, Q, R and S, are kept one over the other but not necessarily in the same order. Only three boxes are kept above S. Only one box is kept between R and S. Only three boxes are kept between R and Q. Q is kept at some place above S. N is kept immediately below Q. M is kept at one of the places above O. P is not kept immediately above or below R. Which box is kept at the lowermost position?

A. S

B. M

C. N

D. O

**Q63 General Intelligence & Reasoning**

This question is based on the five, three-digit numbers given below.

(Left) 826, 117, 681, 964, 529 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

NOTE - All operations to be done from left to right.

What will be the resultant if the third digit of the highest number is added to the second digit of the lowest number?

A. 11

B. 13

C. 5



D. 7

Q64 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

GEL OMT WUB ECJ ?

A. MIK

B. MKR



C. MRK

D. MKI

Q65 General Intelligence & Reasoning

What will come in the place of '?' in the following equation, if '+' and '÷' are interchanged and '-' and 'x' are interchanged?

$$423 + 9 \times 19 - 6 \div 775 = ?$$

A. 708



B. 214

C. 236

D. 220

Q66 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. VYU

B. MQL



C. ORN

D. DGC

Q67 General Intelligence & Reasoning

Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north. Only A sits to the left of D. Only four people sit between A and C. Only B sits between G and F and G is not an immediate neighbour of C. How many people sit to the right of G?

A. 3

B. 2

C. 1

D. 4

**Q68 General Intelligence & Reasoning**

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(26, 46, 20)

(12, 16, 4)

A. (7, 23, 13)

B. (17, 43, 23)

C. (20, 31, 8)

D. (9, 32, 23)



Q69 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers only.)

(Left) 4 6 5 8 2 2 1 8 2 9 8 4 7 4 8 2 4 3 1 4 1 2 7 2 6 (Right)

How many such digits are there each of which is immediately preceded by a perfect square and also immediately followed by a perfect square?

(NOTE: 1 is also a perfect square)

A. Two

B. Four

C. Three

D. One

Q70 General Intelligence & Reasoning

A, B, C, D, W, X and Y are sitting in a straight line, facing the north.

No one sits to the left of D. Only four people sit between D and C. Only three people sit to the right of Y. X sits to the immediate left of A. W is not an immediate neighbour of Y. Who sits third to the left of W?

A. C

B. A

C. Y

D. X

Q71 General Intelligence & Reasoning

In a certain code language,
A + B means 'A is the son of B',
A - B means 'A is the brother of B',
A x B means 'A is the wife of B',
A ÷ B means 'A is the father of B'.

Based on the above, how is D related to J if 'D ÷ F x G - H + J'?

A. Son's wife's brother

B. Wife's father

C. Son's wife's father

D. Wife's mother

Q72 General Intelligence & Reasoning

If 'A' stands for '÷', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark (?) in the following equation?

44 B 30 A 10 D 46 C 3 = ?

A. 90

B. 85

C. 97

D. 89

Q73 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

501 500 497 492 485 ?

A. 477

B. 475

C. 476

D. 474

Q74 General Intelligence & Reasoning

If 'A' stands for '÷', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark '?' in the following equation?

24 A 4 B 6 C 2 D 10 = ?

A. 28

B. 26

C. 27

D. 29

Q75 General Intelligence & Reasoning

Which number should come in place of the question mark (?) in the same sequence to make the series logically complete?

2, 8, 3, 27, 4, 64, 5, 125, 6, 216, 7, ?

A. 243

B. 349

C. 441

D. 343



Q76 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?
33 49 65 81 97 ?

A. 113



B. 111

C. 112

D. 110

Q77 General Intelligence & Reasoning

Seven people, B, C, D, I, J, K and L, are sitting around a circular table facing the centre of the table. Only three people sit between D and L when counted from the right of L. Only three people sit between K and I when counted from the left of K. B sits to the immediate right of D. J is an immediate neighbour of L as well as I. Who sits second to the left of C?

A. L

B. I

C. K

D. J

**Q78 General Intelligence & Reasoning**

Mr. Akai starts from Point A and drives 11 km towards east. He then takes a right turn, drives 5 km, turns right and drives 14 km. He then takes a right turn and drives 16 km. He takes a final right turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified)

A. 7 km to the north

B. 11 km to the north

C. 11 km to the south



D. 7 km to the east

Q79 General Intelligence & Reasoning

DFRU is related to JLUX in a certain way based on the English alphabetical order. In the same way, BDDG is related to HJGJ. To which of the given options is TVMP related, following the same logic?

A. ZBLO

B. ZXSW

C. ZAWF

D. ZBPS

**Q80 General Intelligence & Reasoning**

Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. Only three boxes are kept above G. Only one box is kept between B and G. Only three boxes are kept between B and C. C is kept at some place above G. F is kept immediately below C. E is kept at one of the places above D. A is not kept immediately above or below B. How many boxes are kept below E?

A. 1

B. 4

C. 2



D. 3

General Awareness

20 Questions • Answer Key

Q81 General Awareness

In April 2025, Rapido signed a Memorandum of Understanding with the Ministry of Labour and Employment to provide jobs through which of the following government portals?

A. Digital India Portal

B. Skill India Portal

C. National Career Service Portal



D. Startup India Portal

Q82 General Awareness

Which summit in 2025 focused on 'securing our future' for Ukraine?

A. London Summit on Ukraine

B. Kiev Peace Conference

C. Paris Peace Forum

D. Warsaw NATO Ministers' Summit



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Q83 General Awareness

Which of the following departments released the 2025 Economic Survey of India?

- A. Central Statistical Organisation
- B. Department of Commerce
- C. Ministry of Labour
- D. Department of Economic Affairs ✓

Q84 General Awareness

The Indus Water Treaty, which was suspended by India following the Pahalgam terror attack in April 2025, was signed between India and Pakistan in _____.

- A. 1950
- B. 1960 ✓
- C. 1965
- D. 1955

Q85 General Awareness

How many positions did India drop in the 2025 Energy Transition Index compared to the previous year?

- A. 6
- B. 5
- C. 10
- D. 8 ✓

Q86 General Awareness

Which prominent world leader joined Truth Social (a social media platform owned by US President Donald Trump) in March 2025?

- A. Rishi Sunak
- B. Emmanuel Macron
- C. Olaf Scholz
- D. Narendra Modi ✓

Q87 General Awareness

What was Neeraj Chopra's final position at the 2025 Doha Diamond League javelin event?

- A. Second ✓
- B. First
- C. Fourth
- D. Third

Q88 General Awareness

Which of the following countries was hosted the 2025 NATO Summit held in June 2025?

- A. Brazil
- B. Netherlands ✓
- C. Germany
- D. Turkey

Q89 General Awareness

In 2025, in which country was the Yala Glacier declared 'dead' due to the effects of climate change?

- A. Nepal ✓
- B. India
- C. Bhutan
- D. China

Q90 General Awareness

In June 2025, which of the following announced to introduce 'Validated UPI Handles' effective from 1 October 2025 for secured payments by investors to enhance investor protection and combat fraud?

- A. Life Insurance Corporation (LIC)
- B. Reserve Bank of India (RBI)
- C. Securities and Exchange Board of India (SEBI) ✓
- D. State Bank of India (SBI)

Q91 General Awareness

In 2025, how much monthly out-of-pocket allowance was approved for hockey players in the national camp by the Sports Ministry?

- A. ₹50,000
- B. ₹20,000
- C. ₹15,000
- D. ₹25,000 ✓

Q92 General Awareness

Which athlete received the Laureus World Sportswoman of the Year award in 2025?

- A. Naomi Osaka
- B. Iga Świątek
- C. A'ja Wilson
- D. Simone Biles ✓



Q93 General Awareness

What was the new motto of Lokpal of India adopted by the full bench of Lokpal in June 2025?

- A. Empower Citizens, Expose Corruption ✓
- B. Prevent Corruption, Promote Growth
- C. Ma Gridhah Kasyasvidhanam
- D. Empowering Youth against Corruption

Q94 General Awareness

What is the purpose of the Bharat Forecasting System launched in May 2025?

- A. Enhancing railway timetables
- B. Improving school attendance
- C. Monitoring wildlife habitats
- D. Providing detailed weather forecasts ✓

Q95 General Awareness

Who did Jannik Sinner defeat in the final of the Australian Open 2025?

- A. Stefanos Tsitsipas
- B. Alexander Zverev ✓
- C. Rafael Nadal
- D. Daniil Medvedev

Q96 General Awareness

In May 2025, which Indian minister announced the Advanced Medium Combat Aircraft (AMCA) development plans at the CII Business Summit?

- A. Amit Shah
- B. S Jaishankar
- C. Rajnath Singh ✓
- D. Nirmala Sitharaman

Q97 General Awareness

Operation Brahma was launched by India in March 2025 to provide relief to which country?

- A. Nepal
- B. Bangladesh
- C. Myanmar ✓
- D. Sri Lanka

Q98 General Awareness

What is the name of the first private-sector reinsurer to be licensed under the new framework of the Insurance Regulatory and Development Authority of India in March 2025?

- A. Arko Pay Reinsurance
- B. Phone Pe Reinsurance
- C. Paytm Reinsurance
- D. Valueattics Reinsurance ✓

Q99 General Awareness

Prime Minister Narendra Modi virtually launched a cooperative society in Bihar to provide easy access to funds at affordable interest rates to community members in September 2025, named ____.

- A. Bihar Rajya Krishi Nidhi Saakh Sahkari Sangh Limited
- B. Bihar Rajya Gramin Nidhi Saakh Sahkari Sangh Limited
- C. Bihar Rajya Mahila Nidhi Saakh Sahkari Sangh Limited
- D. Bihar Rajya Jeevika Nidhi Saakh Sahkari Sangh Limited ✓

Q100 General Awareness

On 29 April 2025, the Union Minister of New and Renewable Energy (MNRE) Pralhad Joshi launched the GHCI scheme to empower MSMEs and promote green hydrogen economy. What is the full form of GHCI?

- A. Green Hydrogen Certification Scheme of India ✓
- B. Green Hydrogen Channel Scheme of India
- C. Green Hydrogen Cultivation Scheme of India
- D. Green Hydrogen Conservation Scheme of India



General Science

25 Questions • Answer Key

Q1 General Science

What does the potential energy of an object depend on?

- A. Its temperature
- B. Its colour and shape
- C. Its position or arrangement ✓
- D. Its speed during motion

Q2 General Science

Which of the following best describes Thomson's model of an atom?

- A. An atom is mostly empty space with a dense nucleus.
- B. An atom has a positively charged nucleus and electrons outside.
- C. An atom is a sphere of positive charge with electrons embedded in it like seeds in a watermelon. ✓
- D. Electrons revolve around the nucleus in fixed orbits.

Q3 General Science

Approximately what percentage of energy is transferred from one trophic level to the next in an ecosystem?

- A. 10% ✓
- B. 1%
- C. 50%
- D. 90%

Q4 General Science

The process used for removing gangue from the ore works on the basis of difference of their chemical or physical properties and is called _____ of ores.

- A. enrichment ✓
- B. polishing
- C. colouring
- D. weighing

Q5 General Science

Washing soda is obtained from baking soda by which of the following processes?

- A. Mixing baking soda with lime water
- B. Heating baking soda followed by crystallisation from water ✓
- C. Evaporation of baking soda in sunlight
- D. Adding hydrochloric acid to baking soda

Q6 General Science

Waste generated by developing human embryo is removed with the help of which of the following organs?

- A. Ovaries
- B. Scrotum
- C. Fallopian tube
- D. Placenta ✓

Q7 General Science

What is the term for the process in which white light breaks up into different colours?

- A. Refraction
- B. Reflection
- C. Dispersion ✓
- D. Scattering

Q8 General Science

If an object weighs 60 N when measured on the surface of the Earth, what would be its approximate weight when measured on the surface of the Moon?

- A. 60 N
- B. 360 N
- C. 15 N
- D. 10 N ✓



Q9 General Science

Which of the following statements about magnetic field lines is correct?

- A. They originate only from the centre of the magnet
- B. They show the path of charged particles
- C. They form closed loops inside and outside the magnet ✓
- D. They always intersect

Q10 General Science

Read the given statements with regards to importance of variation produced by sexual reproduction in plants and select the most appropriate option.

Statement A: Reproduction is linked to the stability of populations of species.

Statement B: Variation is thus not useful for the survival of species over time.

- A. Both Statement A and statement B is incorrect
- B. Statement A is correct but statement B is incorrect ✓
- C. Both Statement A and statement B is correct
- D. Statement A is incorrect but statement B is correct

Q11 General Science

When an acid reacts with a metal carbonate, which gas is typically produced?

- A. Oxygen gas
- B. Carbon dioxide gas ✓
- C. Hydrogen gas
- D. Nitrogen gas

Q12 General Science

Which Rutherford's experiment led to the discovery of the atomic nucleus?

- A. Beta-particle scattering
- B. Alpha-particle scattering ✓
- C. Cathode Ray experiment
- D. Photoelectric effect

Q13 General Science

When solutions of lead(II) nitrate and potassium iodide are mixed, the reaction leads to the formation of which of the following?

- A. An orange precipitate of lead iodide is formed.
- B. A yellow precipitate of lead sulphate is formed.
- C. An orange precipitate of lead iodate is formed.
- D. A yellow precipitate of lead iodide is formed. ✓

Q14 General Science

Which of the following is responsible for positive geotropism movement in plants?

- A. Water
- B. Gravity ✓
- C. Chemical
- D. Light

Q15 General Science

What is prevented when the fallopian tubes in females are blocked?

- A. Fertilisation ✓
- B. Menstrual cycle
- C. Childbirth
- D. Egg production

Q16 General Science

An electric iron operating at 220 V consumes energy at a rate of 840 W when the heating is at its maximum. What is the resistance of the coil used in the iron?

- A. 55.6 Ω
- B. 57.6 Ω ✓
- C. 50.6 Ω
- D. 47.6 Ω

Q17 General Science

What is the direction of velocity in uniform circular motion?

- A. Away from the circle
- B. Along the tangent to the circle ✓
- C. Towards the centre of the circle
- D. Along the radius of the circle



Q18 General Science

What is the type of bonding that usually exists in most of the carbon compounds?

- A. Hydrogen bonding
- B. Coordinate bonding
- C. Covalent bonding ✓
- D. Ionic bonding

Q19 General Science

Which of the following pair is a correct example, which shows number of Valency as 2?

- A. Sulphate and sulphite ✓
- B. Phosphate and nitride
- C. Sodium and sulphate
- D. Ammonium and sulphate

Q20 General Science

A sound wave has a frequency of 4 kHz and a wavelength of 15 cm. How much time will it take to cover a distance of 1.8 km?

- A. 4 seconds
- B. 3 seconds ✓
- C. 0.003 seconds
- D. 0.03 seconds

Q21 General Science

In eukaryotic cells, the smooth endoplasmic reticulum is mainly responsible for:

- A. Lipid synthesis and detoxification ✓
- B. Protein synthesis
- C. Sugar breakdown
- D. Genetic information storage

Q22 General Science

In addition to plasma membrane, which of the following outer coverings is present in plant cells?

- A. Nuclear membrane
- B. Cytoplasm
- C. Cell wall ✓
- D. Centriole

Q23 General Science

A cell divides to form two identical daughter cells, each having the same chromosome number as the parent cell. What type of cell division is this called?

- A. Meiosis
- B. Cytokinesis
- C. Budding
- D. Mitosis ✓

Q24 General Science

A body of mass 2 kg is moving with a velocity of 10 m/s. A force of 4 N is applied for 5 s. The final velocity is:

- A. 35 m/s
- B. 25 m/s
- C. 15 m/s
- D. 20 m/s ✓

Q25 General Science

Which of the following statements is responsible for the atmospheric refraction?

- A. Bending of light due to change in air density ✓
- B. Absorption of light by air molecules
- C. Scattering of light in atmosphere
- D. Reflection of light by atmosphere

Mathematics

25 Questions • Answer Key

Q26 Mathematics

The average age of 36 students of a class is 12 years. If the age of the teacher is also included, the average age of the whole group becomes 13 years. The age (in years) of the teacher is:

- A. 49 ✓
- B. 55
- C. 52
- D. 50

Q27 Mathematics

Amit sells two articles for ₹360 each. On one, he gains 20%, and on the other, he loses 10%. Find the gain or loss percent in the entire transaction. [Answer correct to two places after decimal.]

- A. 4.56% loss
- B. 5.56% loss
- C. 5.56% profit
- D. 2.86% profit ✓



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Q28 Mathematics

The amount on a sum of ₹2,600 at 20% per annum compound interest, compounded annually, in 2 years will be:

A. ₹4,363

B. ₹2,950

C. ₹3,744



D. ₹3,441

Q29 Mathematics

A number is split into two parts so that one part exceeds the other by 10. If the ratio of the two parts is 7 : 5, write the equation representing this situation by assuming the smaller part to be x .

A. $5(x + 10) = 7x$



B. $35(x + 10) = x$

C. $5(10x + 1) = 7x$

D. $7(x + 10) = 5x$

Q30 Mathematics

An Uber auto covers a distance of 639 km in 71 hours. What is its speed in km/hr?

A. 19

B. 13

C. 4

D. 9

**Q31 Mathematics**

If 20% of a number is added to 84, then the result is the same number. 60% of the same number is:

A. 83

B. 63



C. 73

D. 93

Q32 Mathematics

Aman and Yogita together invested ₹52,200 in a business. At the end of the year, out of a total profit of ₹5,800, Aman's share was ₹1,700. What was the investment of Aman?

A. ₹15,490

B. ₹16,620

C. ₹15,300



D. ₹13,695

Q33 Mathematics

The length, breadth and height of a cuboid are in the ratio 5 : 3 : 2. If the total surface area of the cuboid is 992 m^2 , find its volume.

A. $1,920 \text{ m}^3$



B. $1,980 \text{ m}^3$

C. $2,070 \text{ m}^3$

D. $2,040 \text{ m}^3$

Q34 Mathematics

The marked price of a chair is ₹2,700, which is 35% above the cost price. It is sold at a discount of 20% on the marked price. Find the profit percentage.

A. 7%

B. 10%

C. 8%



D. 9%

Q35 Mathematics

The lengths of the two diagonals of a rhombus are 10 cm and 24 cm. Find the length of its perimeter (in cm).

A. 52



B. 26

C. 34

D. 13

Q36 Mathematics

Provisions meant for 100 men for 13 weeks are shared when 30 more men join them. For how many weeks will the provisions now last?

A. 10



B. 8

C. 14

D. 12

Q37 Mathematics

If the mean proportional of X and 250 is 50, then find the value of X .

A. 13

B. 10



C. 8

D. 12



Q38 Mathematics

The sides of a triangle are 30 cm, 63 cm, and 51 cm. What is the length of its altitude corresponding to the side with a length of 63 cm?

A. 57 cm

B. 24 cm ☒

C. 48 cm

D. 3 cm

Q39 Mathematics

X people were given a contract for doing a piece of work in 34 days. 3 people did not turn up to work due to sickness, and the rest of the people completed the work in 35 days. What is the value of X?

A. 103

B. 104

C. 105 ☒

D. 115

Q40 Mathematics

Manoj got a new curtain at 50% discount. If Manoj did not get any discount, Manoj would have to pay ₹251 extra. So how much did Manoj pay for the curtain?

A. ₹251 ☒

B. ₹252

C. ₹250

D. ₹253

Q41 Mathematics

One pipe can fill a tank in 9 minutes while another pipe can empty the completely filled tank in 90 minutes. If both the pipes are opened together when the tank is empty, how many minutes will it take to fill one-half of the tank?

A. 11

B. 5 ☒

C. 10

D. 6

Q42 Mathematics

The cost of a washing machine is 50% less than the cost of a TV. If the cost of the washing machine increases by 62% and that of the TV decreases by 33%, then what is the percentage change in the total cost of 6 washing machines and 2 TVs?

A. Decrease by 27%

B. Increase by 19%

C. Decrease by 31%

D. Increase by 24% ☒**Q43 Mathematics**

The product of two numbers is 63 and their difference is 7. The sum of squares of the two numbers is

A. 220

B. 130

C. 112

D. 175 ☒**Q44 Mathematics**

Eight years ago, A was thrice as old as B. Eight years hence, A will be twice as old as B. Find A's present age.

A. 52 years

B. 56 years ☒

C. 64 years

D. 60 years

Q45 Mathematics

Find the value of $\frac{(0.026)^3 - (0.02)^3}{(0.026)^2 + 0.00052 + (0.02)^2}$.

A. 0.006 ☒

B. 0.6

C. 0.0006

D. 0.06



Q46 Mathematics

$\frac{1}{20}$ is what percentage of $\frac{10}{90}$?

A. 60%

B. 90%

C. 55%

D. 45%

**Q47** Mathematics

The angle of elevation of the top of a tower from a point 63 m distance away from its foot is 30° . Find the height (in m) of the tower.

A. $\frac{18}{\sqrt{3}}$

B. $\frac{21}{\sqrt{3}}$

C. $18\sqrt{3}$

D. $21\sqrt{3}$

**Q48** Mathematics

Simplify: $(3x + 7)^2 - (3x - 7)^2$

A. $48x$

B. $-84x$

C. $-48x$

D. $84x$

**Q49** Mathematics

Walking at $\frac{3}{7}$ of his normal speed, Abhijeet is 24 minutes late in reaching his office. The usual time taken by him to cover the distance between his home and his office is:

A. 10 minutes

B. 26 minutes

C. 28 minutes

D. 18 minutes

**Q50** Mathematics

The average of seven consecutive odd numbers (in increasing order) is 51. What is the smallest odd number among them?

A. 43

B. 41

C. 45

D. 47



Q51 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(33, 495, 15)
(27, 648, 24)

- A. (38, 41, 1)
- B. (30, 573, 19)
- C. (25, 575, 23) ✓
- D. (8, 179, 22)

Q52 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements: All fans are lights. Some lights are heaters. Some heaters are geysers.

Conclusion (I): Some fans are heaters.
Conclusion (II): Some lights are geysers.

- A. Only Conclusion I follows.
- B. Only Conclusion II follows.
- C. Neither Conclusion I or II follows. ✓
- D. Both Conclusion I or II follow.

Q53 General Intelligence & Reasoning

If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', then what will come in place of the question mark (?) in the following equation?

17 B 17 C 324 A 9 D 22 = ?

- A. 307
- B. 310
- C. 318
- D. 303 ✓

Q54 General Intelligence & Reasoning

IN 5 is related to KJ -2 in a certain way. In the same way, GL 9 is related to IH 2. To which of the given options is RW 11 related, following the same logic?

- A. HY 4
- B. MK 7
- C. TS 4 ✓
- D. YT 6

Q55 General Intelligence & Reasoning

Refer to the number series given below and answer the question that follows. Counting to be done from left to right only.

(NOTE: All numbers are single-digit numbers only.)

(Left) 1 6 9 7 7 9 4 3 3 3 1 5 8 7 6 6 8 6 7 7 9 6 2 7 8 2 5
(Right)

How many such odd numbers are there each of which is immediately preceded by an odd number and also immediately followed by an even number?

- A. 2
- B. 5
- C. 3 ✓
- D. 4

Q56 General Intelligence & Reasoning

Mr. Z starts from Point A and drives 12 km towards the South. He then takes a right turn, drives 21 km, then turns right and drives 14 km. He then takes a right turn and drives 23 km. He takes a final right turn, drives 2 km, and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only, unless specified.)

- A. 4 km to the south
- B. 5 km to the east
- C. 2 km to the west ✓
- D. 3 km to the east



Q57 General Intelligence & Reasoning

If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', then what will come in place of the question mark (?) in the following equation?

$$50 A 10 C 2 B 7 D 6 = ?$$

A. 12

B. 13



C. 14

D. 11

Q58 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

$$510 509 506 501 494 ?$$

A. 484

B. 485



C. 486

D. 487

Q59 General Intelligence & Reasoning

If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will be come in place of question mark '?' in the following equation?

$$13 B 32 C 130 A 26 D 41 = ?$$

A. 377

B. 385

C. 380



D. 369

Q60 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?
UMQ TLP SKO RJN ?

A. QJN

B. QIN

C. QJM

D. QIM

**Q61 General Intelligence & Reasoning**

Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north. No one sits to the right of C. Only three people sit between C and D. Only two people sit between D and G. A sits third to the left of F. B sits to the immediate right of F. How many people sit to the right of B?

A. 3

B. 4

C. 2



D. 1

Q62 General Intelligence & Reasoning

In a certain code language,

'A + B' means 'A is the son of B'

'A - B' means 'A is the brother of B'

'A x B' means 'A is the wife of B'

'A ÷ B' means 'A is the father of B'

Based on the above, how is D related to J if 'D - F ÷ G x H + J'?

A. Son's wife's father's father

B. Son's wife's father's brother



C. Son's wife's mother's brother

D. Son's wife's mother's father

Q63 General Intelligence & Reasoning

Seven boxes B, C, D, I, J, K and L are kept one over the other but not necessarily in the same order. Only four boxes are kept above L. Only one box is kept above J. Only one box is kept between J and C. B is kept immediately above D. K is kept at some place below I. How many boxes are kept between I and B?

A. Three

B. One

C. Four



D. Two

Q64 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. TPL

B. OKG

C. SOK

D. PMH



Q65 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

313 304 295 286 277 ?

A. 271

B. 273

C. 267

D. 268

**Q66 General Intelligence & Reasoning**

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All pencils are crayons.

Some crayons are batteries.

Conclusions:

(I): Some pencils are batteries.

(II): Some crayons are pencils.

A. Both conclusions (I) and (II) follow

B. Only conclusion (II) follows



C. Only conclusion (I) follows

D. Neither conclusion (I) nor (II) follows

Q67 General Intelligence & Reasoning

In a certain code language, 'drinking is dangerous' is coded as 'cd pk os', 'avoid dangerous habit' is coded as 'os mp ls', and 'please avoid drinking' is coded as 'rk pk mp'. How is 'dangerous' coded in the given language?

A. mp

B. ls

C. os



D. rk

Q68 General Intelligence & Reasoning

Refer to the following series and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers only.)

(Left) 6 4 3 2 7 6 4 9 9 6 5 4 9 7 6 8 3 5 1 5 1 2 4 8 9 (Right)

How many such odd digits are there, each of which is immediately preceded by an even digit and also immediately followed by an even digit?

A. Four

B. Three



C. One

D. Two

Q69 General Intelligence & Reasoning

Seven boxes, D, E, F, U, V, W and X, are kept one over the other but not necessarily in the same order. Only two boxes are kept below W. Only two boxes are kept between W and U. Only one box is kept between U and E. X is kept immediately above V. F is kept at some place below D. How many boxes are kept between D and X?

A. Three

B. Four



C. One

D. Two

Q70 General Intelligence & Reasoning

Refer to the given number, symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) © \$ £ 7 3 @ £ 7 8 6 8 % 6 © 3 4 & € 9 @ 8 5 (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a number?

A. 6

B. 3



C. 1

D. 4



Q71 General Intelligence & Reasoning

F, G, H, I, M, N and O are sitting around a circular table facing the centre of the table. Only two people sit between I and O when counted from the left of O. G sits third to the left of N. H sits to the immediate right of N. H sits second to the left of I. F is not an immediate neighbour of G. Who sits third to the right of M?

A. F

B. N

C. H



D. O

Q72 General Intelligence & Reasoning

Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 6 7 8 9 & 5 £ & \$ £ \$ 1 * * # * * € 8 % 8 © 7 (Right)

How many such numbers are there, each of which is immediately preceded by a symbol and also immediately followed by a symbol?

A. 6

B. 4



C. 3

D. 5

Q73 General Intelligence & Reasoning

In a certain code language, 'OMER' is coded as '1834' and 'DEMO' is coded as '5148'. What is the code for 'D' in the given code language?

A. 1

B. 5



C. 8

D. 4

Q74 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. JL - GI

B. NP - KM

C. PR - ML



D. RT - OQ

Q75 General Intelligence & Reasoning

Which of the given letter-number clusters will replace the question mark (?) in the following series to make it logically complete?

IIM 2 JKL -11 KMK -24 ? MQI -50

A. KLO -33

B. LOJ -37



C. RTD -21

D. LLP -22

Q76 General Intelligence & Reasoning

Aruna starts from Point A and drives 11 km towards the north. She then takes a right turn, drives 10 km, turns right and drives 21 km. She then takes a right turn and drives 5 km. She takes a final right turn, drives 10 km and stops at Point P. How far (shortest distance) and towards which direction should she drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified.)

A. 5 km towards the south

B. 5 km towards the west



C. 4 km towards the south

D. 6 km towards the north

Q77 General Intelligence & Reasoning

FAEG is related to MHLN in a certain way based on the English alphabetical order. In the same way, IDHJ is related to PKOQ. To which of the given options is LGKM related, following the same logic?

A. NSTR

B. SNTR

C. NSRT

D. SNRT

**Q78 General Intelligence & Reasoning**

A, B, C, R, S, T and U are sitting around a circular table facing the centre of the table. Only two people sit between U and S when counted from the right of U. Only three people sit between R and C when counted from the right of C. S sits to the immediate right of C. T sits to the immediate right of A. Who sits fourth to the right of B?

A. C

B. T



C. S

D. A



Q79 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

1021 1023 1027 1033 1041 ?

A. 1055

B. 1051



C. 1053

D. 1049

Q80 General Intelligence & Reasoning

Select the triad that follows the same pattern as the one followed by the two triads given below. Both triads follow the same pattern.

JC-LE-NP
MF-OH-QS

A. OI-RL-TU

B. PI-RK-TV



C. PI-RK-TU

D. OI-RK-TU

General Awareness

20 Questions • Answer Key

Q81 General Awareness

What is the main purpose of the e-Jagriti platform, launched by the Department of Consumer Affairs, Ministry of Consumer Affairs, Food and Public Distribution, Government of India on 1 January 2025?

A. To expand India's space exploration and satellite launches

B. To promote digital payments under the Digital India programme

C. To provide a single interface for consumer grievance redressal



D. To manage real estate and government accommodation services

Q82 General Awareness

As per the Sustainable Development Report (SDR)-2025 published by the UN Sustainable Development Solutions Network (SDSN), what is the rank of India among 193 UN member countries?

A. 109

B. 99



C. 89

D. 79

Q83 General Awareness

On 12 June 2025, which bank of India took a progressive step to streamline the Know Your Customer (KYC) updating process by allowing video-based identification and empowering Business Correspondents to handle KYC updates?

A. State Bank of India

B. Bank of India

C. Indian Bank

D. Reserve Bank of India

**Q84 General Awareness**

How many critical highway segments are outlined in the report on India's Priority Corridors for Zero-Emission Trucking for the adoption of zero-emission trucks?

A. Eight

B. Five

C. Twelve

D. Ten

**Q85 General Awareness**

Which of the following themes was observed for World Health Day 2025 on April 7?

A. Healthy beginnings, hopeful futures



B. Equity in Healthcare

C. Our Planet, Our Health

D. Health for All

Q86 General Awareness

In which of the following cities did the traffic police create awareness on noise pollution for motorists at traffic signals in July 2025?

A. Chennai

B. Warangal



C. Jaipur

D. Lucknow



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Q87 General Awareness

Which of the following was the 17th flight of India's Geosynchronous Satellite Launch Vehicle (GSLV), launched in January 2025?

- A. GSLV-F13
- B. GSLV-F14
- C. GSLV-F16
- D. GSLV-F15

**Q88 General Awareness**

Who arrived in Varanasi to chair the 25th Central Zonal Council meet in June 2025?

- A. Rajnath Singh
- B. Amit Shah
- C. Narendra Modi
- D. Yogi Adityanath

**Q89 General Awareness**

Praveen Kumar, awarded the Khel Ratna, in January 2025, is associated with which discipline?

- A. Boxing
- B. Shooting
- C. Archery
- D. Para-Athletics

**Q90 General Awareness**

The deforestation drive in Kancha Gachibowli involved clearing land near which major educational institution in April 2025?

- A. Central University of Hyderabad
- B. Osmania University
- C. National Institute of Technology, Warangal
- D. Indian Institute of Technology, Hyderabad

**Q91 General Awareness**

In July 2025, the Ministry of Rural Development entered into an important partnership with the Life Insurance Corporation of India (LIC) to realise the Government of India's 'Insurance for All by ____'.

- A. 2047
- B. 2040
- C. 2045
- D. 2035

**Q92 General Awareness**

Which of the following cricketers clinched the record for the fastest century by an Indian woman cricketer in ODIs, as of January 2025?

- A. Smriti Mandhana
- B. Deepti Sharma
- C. Harmanpreet Kaur
- D. Pratika Rawal

**Q93 General Awareness**

Which English fast bowler was awarded a knighthood in April 2025 after retiring with a record 704 Test wickets, making him England's all-time leading wicket-taker in Test cricket?

- A. Darren Gough
- B. Andrew Flintoff
- C. Stuart Broad
- D. James Anderson

**Q94 General Awareness**

In 2025, which schemes provide retired athletes career transition support, financial aid, and medical benefits?

- A. Khelo India and PYKKA
- B. NSFs and SAI
- C. RESET and Pandit Deendayal Fund
- D. National Awards and TOPS

**Q95 General Awareness**

Which among the following authorities invoked Stage-I of the Graded Response Action Plan (GRAP) in May 2025 due to poor air quality in Delhi NCR?

- A. Commission for Air Quality Management in National Capital Region and Adjoining Areas (CAQM)
- B. Ministry of Health and Family Welfare (MoHFW)
- C. Central Pollution Control Board (CPCB)
- D. Delhi Pollution Control Committee (DPCC), National Capital Territory of Delhi



Q96 General Awareness

The earlier Bilateral Investment Treaty (BIT) between India and Kyrgyzstan, which was replaced in 2025, was originally enforced in which year?

A. 2010

B. 2021

C. 2019

D. 2000

**Q97 General Awareness**

The Indian Navy along with the navy of which other country held a joint PASSEX exercise near Mumbai on 10 July 2025, in the Arabian Sea?

A. Malaysia

B. Japan

C. Indonesia

D. Greece

**Q98 General Awareness**

In July 2025, the Kerala Health Department stepped up vigil against which zoonotic disease after a few cases were detected in its two districts?

A. Tuberculosis

B. Nipah



C. Filariasis

D. Malaria

Q99 General Awareness

On June 14, 2025, in which of the following cities of India did Kamlesh Paswan inaugurate Garuda Aerospace's new Agri-Drone Indigenization Facility?

A. Hubballi

B. Pune

C. Vijayawada

D. Chennai

**Q100 General Awareness**

Which cinema was India's official Oscar entry but did NOT get nominated, yet swept 10 IIFA awards in March 2025?

A. Laapataa Ladies



B. The Kerala Story

C. Darlings

D. Ram Setu



General Science

25 Questions · Answer Key

Q1 General Science

Which of the following factors does NOT increase the rate of evaporation?

- A. Increase in surface area
- B. Increase in humidity ✓
- C. Increase in wind speed
- D. Increase of temperature

Q2 General Science

Which of the following statements is correct for uniform motion?

- A. The slope of the distance–time graph is decreasing.
- B. The slope of the distance–time graph is increasing.
- C. The slope of the distance–time graph is zero.
- D. The slope of the distance–time graph is constant. ✓

Q3 General Science

Which of the following organs is involved in the function of reflex action?

- A. Middle ear
- B. Spleen
- C. Kidney
- D. Spinal cord ✓

Q4 General Science

What unique property of carbon atoms enables them to form long and stable chains with other carbon atoms?

- A. Tetravalency
- B. Catenation ✓
- C. Isomerism
- D. Allotropy

Q5 General Science

Which of the following correctly describes the sequence of events leading to muscle movement?

- A. Nerve impulse → Muscle protein response → Muscle contraction ✓
- B. Blood flow → Protein activation → Nerve impulse → Movement
- C. Digestion → Blood circulation → Movement
- D. DNA replication → Protein synthesis → Muscle movement

Q6 General Science

When gypsum is heated at 373 K, it loses water of crystallisation and forms _____.

- A. calcium chloride pentahydrate
- B. calcium chloride hemihydrate
- C. calcium sulphate hemihydrate ✓
- D. calcium sulphate pentahydrate

Q7 General Science

Baking soda is prepared using which of the following processes?

- A. Chlor-alkali process
- B. Solvay process ✓
- C. Deacon's process
- D. Haber process

Q8 General Science

Which of the following correctly explains the importance of pH in everyday life?

- A. A bee sting injects a basic liquid, so it is treated with a weak acid like vinegar.
- B. Tooth enamel dissolves when the pH of the mouth rises above 7.5 due to bacterial activity.
- C. Acid rain has pH greater than 7, which harms aquatic life.
- D. Our stomach secretes hydrochloric acid to maintain a pH around 2, aiding digestion. ✓



Q9 General Science

Among the following materials, which one has the highest electrical resistivity at room temperature?

A. Manganese



B. Iron

C. Chromium

D. Mercury

Q10 General Science

Which of the following organs in human females can produce hormones?

A. Ovaries



B. Fallopian tubes

C. Salivary glands

D. Cervix

Q11 General Science

What is the formula to calculate the acceleration due to gravity (g), where G is the universal gravitational constant, M is the mass of the Earth, and R is the radius of the Earth?

A. $g = GM/R^2$



B. $g = GM^2/R$

C. $g = GM/R$

D. $g = GR/M^2$

Q12 General Science

Which of the following conditions will NOT favour evaporation?

A. Low Humidity

B. High Wind Speed

C. High Humidity



D. High Temperature

Q13 General Science

Cells of the meristematic tissue lack vacuoles because:

A. Meristematic cells are dead and do not need vacuoles

B. Meristematic cells are actively dividing and need a dense cytoplasm



C. Vacuoles block respiratory enzymes

D. Vacuoles cause cell death

Q14 General Science

A concave lens has a focal length of 15 cm. An object is placed at a distance of 30 cm from the lens. What is the magnification produced by the lens?

A. +0.66

B. -0.33

C. +0.33



D. -0.66

Q15 General Science

What is the main function of leucoplasts in plant cells?

A. Breaking down waste materials

B. Storing materials like starch, oils, and proteins



C. Absorbing sunlight

D. Giving colour to flowers

Q16 General Science

Which of the following was the scientist who blended his knowledge of science and mathematics to arrive at the laws of inheritance?

A. Gregor Johann Mendel



B. E Rutherford

C. Camillo Golgi

D. John Dalton

Q17 General Science

Which of the following statements is correct about the nature of the image formed by a concave mirror when the object is placed between the principal focus and the pole?

A. Real, inverted, diminished

B. Real, inverted, same size

C. Real, inverted, highly diminished (point image)

D. Virtual, erect, magnified

**Q18 General Science**

Which of the following best defines an ion?

A. An atom or group of atoms that has a positive or negative charge



B. An atom with equal number of protons and electrons

C. A neutral particle formed by the combination of atoms

D. A molecule with more neutrons than protons



Q19 General Science

Which of the following statements best explains kinetic energy?

- A. It is the energy stored in an object due to its shape.
- B. It is the energy that decreases as the object's speed increases.
- C. It is the energy an object has because of its motion, and it increases as the object's speed increases.**
- D. It is the energy an object has because it is at rest.

Q20 General Science

How do plant cells respond immediately to a stimulus without specialized proteins like animal muscle cells?

- A. By producing immune responses
- B. By changing water content to cause swelling or shrinking**
- C. By breaking down food to release energy instantly
- D. By secreting enzymes only

Q21 General Science

Why are sound waves classified as mechanical waves?

- A. They are characterised by the motion of particles in a medium**
- B. They oscillate perpendicular to wave propagation
- C. They cause light oscillations
- D. They do not require a medium to travel

Q22 General Science

Which of the following statements is INCORRECT about DNA copies produced during the process of reproduction?

- A. DNA copies are single stranded.
- B. DNA copying is a completely error-free process.**
- C. Copying of DNA is a pre-requisite for reproduction.
- D. DNA copies generated are similar but not identical.

Q23 General Science

Which of the following statements is correct for the magnetic field inside a long, straight, current-carrying solenoid?

- A. It is zero.
- B. It increases as we move towards its end.
- C. It decreases as we move towards its end.
- D. It is the same at all points.**

Q24 General Science

Structural formula of branched chain organic compound 'Neopentane' may be represented by:

- A. $\text{CH}_3\text{-CH}(\text{CH}_3)\text{-CH}_3$
- B. $\text{C}(\text{CH}_3)_4$**
- C. $\text{CH}_3\text{-CH}(\text{CH}_3)\text{-CH}_2\text{-CH}_3$
- D. $\text{CH}_3\text{-CH}(\text{CH}_3)\text{-CH}_2\text{-CH}_2\text{-CH}_3$

Q25 General Science

A satellite is moving in a uniform circular orbit around the Earth. Which of the following statements about its motion is correct?

- A. The satellite has a constant velocity and a constant acceleration.
- B. The satellite has a constant speed and no acceleration.
- C. The satellite has a constant speed, but its velocity is not constant.**
- D. The satellite has a constant velocity, but its speed is not constant.



Q26 Mathematics

The volume (in m^3) of a cuboidal tank with dimensions 2 m $\times$ 11 m $\times$ 49 m is:

A. 1061

B. 1078 

C. 1049

D. 1102

Q27 Mathematics

If 20% of a number is added to 72, then the result is the same number. 65% of the same number is:

A. 68.5

B. 58.5 

C. 78.5

D. 88.5

Q28 Mathematics

When the volume of a sphere is divided by its surface area, the result is 7 cm. Find the surface area.

A. 5544 cm^2 B. 4896 cm^2 C. 5274 cm^2 D. 5088 cm^2 **Q29 Mathematics**

A number is 18 more than its three-fourth. Find the number.

A. 72 

B. 42

C. 54

D. 36

Q30 Mathematics

A 140-metre-long train crosses a platform thrice its length in 56 seconds. What is the speed of the train in km/hr?

A. 40

B. 26

C. 33

D. 36 **Q31 Mathematics**

A, B and C can do a piece of work in 2, 20 and 5 days respectively. How long (in days) will they take to do thrice the same work, working together?

A. 5

B. 4 

C. 12

D. 8

Q32 Mathematics

Srikar spends 10% of his monthly income on rent, 20% of the rest on household expenditure and 25% of the rest on food and saves the rest. He finally saves ₹78,300. Find his monthly income.

A. ₹1,50,000

B. ₹1,78,300

C. ₹1,00,000

D. ₹1,45,000 **Q33 Mathematics**

To buy a new apartment, Shweta borrowed ₹9,95,500 at 4% per annum simple interest for 39 months. How much interest will she pay?

A. ₹1,29,665

B. ₹1,29,415 

C. ₹1,15,995

D. ₹1,39,545

Q34 Mathematics

The total number of colour blocks is 4641. If the ratio of red blocks to blue blocks is 6 : 10 and the ratio of blue blocks to yellow blocks is 2 : 7, then how many yellow blocks are there?

A. 3149

B. 3148

C. 3155

D. 3185 

Q35 Mathematics

Dev and Tej started a business, investing amounts of ₹1,800 and ₹1,620, respectively. If Dev's share in the profit earned by them is ₹930, what is the total profit (in ₹) earned by them together?

A. 1,753

B. 1,869

C. 1,767



D. 1,788

Q36 Mathematics

In a class test, the average score of 35 students was 44. Later, it was found that 25 was incorrectly recorded as 33 in two instances, and 36 was incorrectly recorded as 34 in one instance. What is the actual average score of the class?

A. 42.6

B. 44.6

C. 41.6

D. 43.6

**Q37 Mathematics**

P is any point inside the rectangle ABCD. If PA = 46 cm, PB = 16 cm and PC = 88 cm, then the length of PD (in cm) is equal to:

A. 96

B. 100

C. 98



D. 94

Q38 Mathematics

8 men or 9 women can do a job in 2 days. 8 men work for 1 day and leave. The number of women required to complete the remaining work in 9 days is:

A. 2

B. 4

C. 1



D. 3

Q39 Mathematics

2 men can do a piece of work in 2 days. How many men will do it in 1 day?

A. 2

B. 4



C. 5

D. 3

Q40 Mathematics

The cost of a washing machine is 50% less than the cost of a TV. If the cost of the washing machine increases by 62% and that of the TV decreases by 51%, then what is the percentage change in the total cost of 6 washing machines and 2 TVs?

A. Increase by 17%

B. Decrease by 21%

C. Decrease by 19%

D. Increase by 16.8%

**Q41 Mathematics**

The average age of 31 students of a class is 14 years. If the age of the teacher is also included, the average age of the whole group becomes 15 years. The age (in years) of the teacher is:

A. 46



B. 49

C. 47

D. 45

Q42 Mathematics

A shopkeeper buys 20 pens for ₹600 and sells them for ₹900. Find his profit percentage.

A. 40%

B. 15%

C. 50%



D. 33.33%

Q43 Mathematics

If the listed price of a bag is 93% more than its cost price and a discount of 59% is announced on it, then find the loss percentage.

A. 23.12%

B. 24.87%

C. 20.87%



D. 20.89%

Q44 Mathematics

If Anirudh is as much elder than Praveen as he is younger than Suman and the sum of the ages of Praveen and Suman is 36 years, then find the age of Anirudh.

A. 9 years

B. 12 years

C. 24 years

D. 18 years



Q45 Mathematics

A vendor offers her customers a discount of 24% on her beauty products and she still makes a profit of 22%. What is the cost price (in ₹) of a beauty product marked at ₹854?

A. 576

B. 586

C. 573

D. 532

**Q46 Mathematics**

$$\begin{array}{r} 2300 \quad 2300 \quad 2300 \quad 2300 \\ \hline 99 \quad 9 \quad 33 \quad 11 \end{array}$$

A. $\frac{2300}{99}$



B. $\frac{2300}{33}$

C. $\frac{2300}{11}$

D. $\frac{2300}{9}$

Q47 Mathematics

Walking at $\frac{4}{7}$ of his normal speed, Abhijeet is 36 minutes late in reaching his office.

The usual time taken by him to cover the distance between his home and his office is:

A. 48 minutes



B. 57 minutes

C. 42 minutes

D. 56 minutes

Q48 Mathematics

If $\sin A = \frac{3}{5}$, and A is an acute angle, then find the value of $2\cot^2 A - \operatorname{cosec}^2 A$.

A. $\frac{2}{9}$

B. $\frac{7}{9}$



C. $\frac{1}{9}$

D. $\frac{8}{9}$



Q49 Mathematics

What is the value of $\left[10\frac{1}{3} \div \frac{5}{3} \text{ of } (10 + 14 \div 3 - 1)\right]$?

A. $\frac{93}{205}$



B. $\frac{83}{105}$

C. $\frac{83}{205}$

D. $\frac{93}{105}$

Q50 Mathematics

Which of the following expressions is the simplified form of $(2x + 5)(2x - 5) - (2x - 3)^2$?

A. $2(6x - 17)$



B. $2(3x - 17)$

C. $2(3x + 17)$

D. $2(6x + 17)$

General Intelligence & Reasoning

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

In a code language,
 A + B means 'A is the sister of B'
 A - B means 'A is the father of B'
 A x B means 'A is the mother of B'
 A ÷ B means 'A is the brother of B'
 Based on the above, how is P related to E if 'P - Q + C x D ÷ E'?

A. Mother's father



B. Mother's brother

C. Father's father

D. Father's brother

Q52 General Intelligence & Reasoning

A, B, C, D, W, X and Y are sitting around a circular table facing the centre of the table.
 C sits fourth to the right of X. Only two people sit between Y and W when counted from the left of Y. D sits third to the left of B. A is an immediate neighbour of B and W. How many people between C and A when counted from the left of A?

A. Four



B. Three

C. Two

D. One

Q53 General Intelligence & Reasoning

If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 6437585, how many digits will appear more than once in the new number thus formed?

A. None

B. Two



C. Three

D. One

Q54 General Intelligence & Reasoning

Naksh ranked 45th from the top and 27th from the bottom in his class. How many students are there in his class?

A. 72

B. 70

C. 73

D. 71



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Q55 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. AE – HJ

B. TX – AC

C. EI – LN

D. OS – WY

**Q56 General Intelligence & Reasoning**

If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 3674185, how many digits will appear more than once in the new number thus formed?

A. One

B. Two

C. Three



D. None

Q57 General Intelligence & Reasoning

Refer to the number series given below and answer the question that follows. Counting to be done from left to right only.

(NOTE: All numbers are single-digit numbers only.)

(Left) 5 2 4 8 8 7 2 3 3 3 6 7 5 6 6 8 9 4 1 5 1 7 7 3 3 7 5
(Right)

How many such odd numbers are there each of which is immediately preceded by an even number and also immediately followed by an even number?

A. 1

B. 3

C. 4

D. 2

**Q58 General Intelligence & Reasoning**

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

TIU 20 VKW 21 XMY 22 ZOA 23 ?

A. DQB 24

B. BQC 24



C. BRC 24

D. CQC 24

Q59 General Intelligence & Reasoning

Refer to the following number, symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers only.

(Left) © @ 7 € \$ 5 \$ & * & 7 5 2 \$ 8 \$ © 7 © 4 6 £ (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a symbol?

A. Three



B. Five

C. Two

D. Four

Q60 General Intelligence & Reasoning

Each of the digits in the number 9612345 is arranged in ascending order from left to right. What will be the sum of the digits that are second from the left and second from the right in the new number thus formed?

A. 7

B. 6

C. 9

D. 8

**Q61 General Intelligence & Reasoning**

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(12, 240, 20)

(10, 150, 15)

A. (8, 90, 15)

B. (9, 180, 20)



C. (8, 100, 15)

D. (15, 225, 16)



Q62 General Intelligence & Reasoning

Which letter cluster will replace the question mark (?) to complete the given series?

CCP FDN IEL ? OGH

A. LFJ



B. PLO

C. HJY

D. UUY

Q63 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. HJ - DL



B. QR - MN

C. NO - JK

D. LM - HI

Q64 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

893 895 899 905 913 ?

A. 921

B. 924

C. 922

D. 923

**Q65 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

27 51 75 99 123 ?

A. 146

B. 148

C. 147



D. 145

Q66 General Intelligence & Reasoning

In a certain code language, 'MOVE' is coded as '7481' and 'OVER' is coded as '8314'. What is the code for 'R' in that language?

A. 4

B. 8

C. 1

D. 3

**Q67 General Intelligence & Reasoning**

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements: Some hair are nails. All nails are teeth.

Conclusions (I): Some hair are teeth.

Conclusions (II): All teeth are nails.

A. Both conclusions (I) and (II) follow.

B. Neither conclusion (I) nor (II) follows.

C. Only conclusion (I) follows.



D. Only conclusion (II) follows.

Q68 General Intelligence & Reasoning

Hitesh starts from Point A and drives 13 km towards the south. He then takes a right turn, drives 4 km, turns right and drives 14 km. He then takes a right turn and drives 9 km. He takes a final right turn, drives 1 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 6 km to the west

B. 5 km to the east

C. 6 km to the east

D. 5 km to the west



Q69 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only) Counting to be done from left to right only.

(Left) 4 3 5 2 9 7 2 8 7 2 1 8 7 4 5 5 2 3 5 5 6 9 6 3 3 (Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

A. One



B. Two

C. Three

D. Four

Q70 General Intelligence & Reasoning

Select the pair which follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.

MOS-QSW
RTX-VXB

A. KLO-NPT

B. KMQ-OQU



C. KLO-OQU

D. KMQ-NQT

Q71 General Intelligence & Reasoning

Refer to the following series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 1 4 6 9 3 7 1 1 1 9 2 9 5 4 5 3 2 4 6 1 9 9 1 9 5 2 5 (Right)

How many such odd numbers are there each of which is immediately preceded by an odd number and also immediately followed by an odd number?

A. 9



B. 11

C. 8

D. 10

Q72 General Intelligence & Reasoning

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

GHI-FGH
KLM-JKL

A. BBB-ZAB

B. BCD-ABC



C. BCD-ZBB

D. BBB-ABC

Q73 General Intelligence & Reasoning

Seven boxes, M, N, O, P, Q, R and S, are kept one over the other, but not necessarily in the same order. Only two boxes are kept below S. Only one box is kept above Q. Only one box is kept between Q and P. R is kept immediately above N. O is kept at some place below M. How many boxes are kept between M and R?

A. Three

B. One

C. Two

D. Four

**Q74 General Intelligence & Reasoning**

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:

All goats are lions.
All lions are dogs

Conclusion (I): All dogs are goats.

Conclusion (II): Some lions are goats.

A. Only conclusion (II) follows.



B. Only conclusion (I) follows.

C. Neither conclusion (I) nor (II) follows.

D. Both conclusions (I) and (II) follow.



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Q75 General Intelligence & Reasoning

Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

WP-SL-OR
TM-PI-LO

A. QJ-MF-IL



B. RJ-ME-IK

C. QJ-MF-IK

D. RJ-MF-IK

Q76 General Intelligence & Reasoning

Arman starts from point A and drives 44 km towards south. He then takes a left turn, drives 42 km, turns left and drives 51 km. He then takes a left turn and drives 56 km. He takes a final left turn, drives 7 km and stops at point P. How far (shortest distance) and towards which direction should he drive in order to reach point A again?

(Note: All turns are 90° turns only unless specified.)

A. 14 km to the east



B. 11 km to the west

C. 12 km to the west

D. 13 km to the east

Q77 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

11 13 16 21 ? 39

A. 22

B. 28



C. 25

D. 29

Q78 General Intelligence & Reasoning

Five people, A, B, C, D and E, are sitting in a row, facing north. Only two people sit between A and B. B sits between D and E. E sits second to the left of A. Who sits at the extreme left end of the row?

A. D



B. E

C. C

D. B

Q79 General Intelligence & Reasoning

A, B, C, E, F, P, and Q are sitting around a circular table, facing the centre. Only four people sit between C and E, when counted from the right of C. C sits third to the left of P. B sits third to the left of F. Q is an immediate neighbour of both E and P. How many people sit between A and Q, when counted from the right of A?

A. Two



B. Four

C. Three

D. One



Q80 General Intelligence & Reasoning

A group of numbers/symbols is coded using letter codes as per the codes given below and the conditions that follow. The correct combination of codes following the conditions is your answer.

Note: If none of the conditions apply, then the codes for the respective number/symbol are to be followed directly as given in the table.

Numbers/symbols	%	6	2	8	*	3	&	7	@	9	+	5	#	4
Codes	T	W	P	H	G	L	F	U	M	B	S	Y	K	D

Conditions:

(i) If the first element is a symbol and the last element a perfect square, the codes for these two (the first and last elements) are to be interchanged.

(ii) If both the second and third elements are symbols, the third element is to be coded as the code for the second element.

(iii) If the first element is a symbol and the fourth element is an odd number, the first and fourth elements are to be coded as ©.

What will be the code for the following group?

% 5 * & 9

A. B Y G F T



B. T Y F F B

C. T Y G F B

D. © Y G © B

General Awareness

20 Questions • Answer Key

Q81 General Awareness

Which edition of SIMBEX (Singapore-India Maritime Bilateral Exercise) was held in Singapore in July 2025?

A. 42nd

B. 22nd

C. 52nd

D. 32nd

**Q82 General Awareness**

Which two co-operative banks merged as per Reserve Bank of India's January 2025 notification?

A. Maratha Sahakari Bank and Janata Co-operative Bank

B. PMC Co-operative Bank and Cosmos Co-operative Bank

C. Saraswat Co-operative Bank and Cosmos Co-operative Bank

D. National Co-operative Bank and Cosmos Co-operative Bank

**Q83 General Awareness**

On 29 June 2025, the Union Ministry of Environment, Forest and Climate Change issued Model Rules to streamline regulations for _____.

A. interest rates of loans for farmers

B. electricity supply for farmlands

C. tree felling in agricultural lands



D. usage of pesticides and insecticides

Q84 General Awareness

As of 30 April 2025, the 'GenomeIndiaA' project has completed whole genome sequencing (WGS) database of approximately how many individuals?

A. 8000

B. 11,000

C. 6600

D. 10,000



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Q85 General Awareness

Which of the following Constitutional Amendment Bills was passed by the 17th Lok Sabha of India on 17 December 2024?

A. 129th



B. 88th

C. 78th

D. 126th

Q86 General Awareness

As per the Economic Survey, 2024–25, which mission is part of India's Space Vision, 2047, for human spaceflight?

A. Gaganyaan



B. Vikram

C. Samudrayaan

D. Mangalyaan

Q87 General Awareness

As per Sustainable Development Goals – National Indicator Framework Progress Report, 2025, the percentage of population using an improved drinking water source in rural areas increased from 94.57% in 2015-16 to what percentage in 2024-25, indicating significant progress toward universal safe water access in rural India?

A. 99.62%



B. 96%

C. 95.32%

D. 98%

Q88 General Awareness

On which date was the International Day of Families 2025 observed globally, focusing on the role of digital technology in family life?

A. May 10

B. May 12

C. May 15



D. May 18

Q89 General Awareness

When was the 48th edition of the Paris Marathon held?

A. March 30

B. April 13



C. April 1

D. May 1

Q90 General Awareness

What percentage of India's areas are earthquake-prone as of March 2025?

A. 47%

B. 59%



C. 39%

D. 73%

Q91 General Awareness

What was the name of the initiative launched by the Indian Prime Minister on World Environment Day in 2025?

A. Ek Ped Maa Ke Naam 2.0



B. Clean India Campaign 7.0

C. Green Earth Project 3.0

D. Save Water Mission

Q92 General Awareness

Which spacecraft will be used for Axiom-4?

A. Orion

B. Crew Dragon C213



C. Soyuz MS-24

D. Starliner

Q93 General Awareness

In which of the following states of India was the foundation stone laid in August 2025 for the Brahma-BEML Rail Manufacturing Hub, expected to reduce unemployment and empower local youth?

A. Bihar

B. Gujarat

C. Uttar Pradesh

D. Madhya Pradesh

**Q94 General Awareness**

Which NFL player won the BET Sportsman of the Year Award 2025?

A. Josh Allen

B. Lamar Jackson

C. Jalen Hurts



D. Patrick Mahomes



Q95 General Awareness

Which of the following trophies was renamed the Anderson-Tendulkar Trophy in June 2025?

- A. ODI Trophy
- B. T20 Trophy
- C. IPL Trophy
- D. Test series trophy



Q96 General Awareness

Which Indian broke the 200 m national record at Asian Athletics Championships 2025?

- A. Gurindervir Singh
- B. Manikanta Hoblidhar
- C. Amlan Borgohain
- D. Animesh Kujur



Q97 General Awareness

How many new Khelo India Centres are planned by the Delhi Government in 2025?

- A. 6
- B. 10
- C. 4
- D. 2



Q98 General Awareness

Which of the following countries hosted the 6th BIMSTEC Summit in April 2025?

- A. Nepal
- B. Bangladesh
- C. Sri Lanka
- D. Thailand



Q99 General Awareness

Which Kannada short-story collection became the first-ever to win the International Booker Prize in 2025?

- A. Theory & Practice
- B. The Many Lives of Syeda X
- C. Once Elephants Lived Here
- D. Heart Lamp: Selected Stories



Q100 General Awareness

Which among the community-focused transparency initiatives did the Ghaziabad, Uttar Pradesh police introduce in September 2025?

- A. 'Jan Sunwai Sabha' for direct citizen-police dialogue
- B. 'Public Accountability Meet' releasing monthly action reports
- C. 'Vadi Samvad Diwas' allowing citizens to engage directly with investigators
- D. 'Police Outreach Day' to resolve neighborhood safety concerns



General Science

25 Questions • Answer Key

Q1 General Science

Which of the following is a homogeneous mixture?

- ☒ A. Air
- ☐ B. Oil and water
- ☐ C. Soil
- ☐ D. Sand and iron filings

Q2 General Science

Which of the following is true about the magnetic field inside a solenoid?

- ☒ A. It is uniform and in the form of parallel straight lines.
- ☐ B. It is zero.
- ☐ C. It forms random patterns.
- ☐ D. It is non-uniform.

Q3 General Science

Which of the following compounds is classified as a saturated hydrocarbon?

- ☐ A. Ethyne
- ☒ B. Ethane
- ☐ C. Ethene
- ☐ D. Benzene

Q4 General Science

In Spirogyra, each fragment develops into a complete individual. What can be the possible reason for this?

- ☐ A. Each fragment has complex organs.
- ☐ B. Each fragment has roots.
- ☒ C. Each cell is capable of independent growth.
- ☐ D. Fragmentation happens only under laboratory conditions.

Q5 General Science

When a ray of light passes through the optical centre of a spherical lens, it _____.

- ☐ A. Gets deviated away from the normal
- ☒ B. Emerges undeviated
- ☐ C. Bends toward the focus
- ☐ D. Always reflects back

Q6 General Science

An object is said to be in uniform motion if:

- ☐ A. it covers equal distances in unequal time intervals
- ☐ B. it covers unequal distances in equal time intervals
- ☐ C. it covers unequal distances in unequal time intervals
- ☒ D. it covers equal distances in equal time intervals

Q7 General Science

Plaster of Paris is prepared by heating which of the following?

- ☐ A. Baking soda
- ☒ B. Gypsum
- ☐ C. Limestone
- ☐ D. Slaked lime

Q8 General Science

Which of the following statements is correct about reproduction?

1. Bulls alone can produce a calf.
2. Hens alone can not produce new chicks.

- ☐ A. Both statements are correct.
- ☒ B. Statement 2 is correct but Statement 1 is false.
- ☐ C. Both statements are false.
- ☐ D. Statement 1 is correct but Statement 2 is false.

Q9 General Science

What makes the brain suitable for thinking activities?

- ☒ A. Its complex arrangement of many neurons
- ☐ B. Its location near the ears
- ☐ C. Its smooth surface
- ☐ D. Its connection to the heart



Q10 General Science

During indigestion, the stomach produces too much acid, that may be neutralised by which of the following?

- A. Magnesium carbonate (Milk of magnesia)
- B. Magnesium sulphate (Milk of magnesia)
- C. Magnesium oxide (Milk of magnesia)
- D. Magnesium hydroxide (Milk of magnesia) ✓

Q11 General Science

The energy possessed by a moving object due to its motion is called:

- A. thermal energy
- B. potential energy
- C. kinetic energy ✓
- D. chemical energy

Q12 General Science

Which of the following conditions will NOT increase the rate of evaporation?

- A. Decreased Wind Speed ✓
- B. Increased Temperature
- C. Increased Surface Area
- D. Decreased Humidity

Q13 General Science

Which of the following tissues is very elastic and used to connect two bones in our body?

- A. Mast cell
- B. Macrophage
- C. Ligament ✓
- D. Adipocyte

Q14 General Science

Which meristematic tissue has the highest levels of Auxin?

- A. Apical Meristematic tissue ✓
- B. Xylem
- C. Intercalary Meristematic tissue
- D. Lateral Meristematic tissue

Q15 General Science

An object has a weight of 24 N on Earth. What will be its weight on the Moon's surface?

- A. 6 N
- B. 144 N
- C. 4 N ✓
- D. 240 N

Q16 General Science

Which of the following quantities represents the slope in a displacement–time graph?

- A. Acceleration
- B. Speed
- C. Distance
- D. Linear velocity ✓

Q17 General Science

Which of the following is NOT a biotic loss during the storage of grains?

- A. Loss by rodents
- B. Loss by mites
- C. Loss by inappropriate moisture ✓
- D. Loss by insects

Q18 General Science

The effect of multiple reflections of sound in large halls or auditoriums is, _____.

- A. it converts sound into heat
- B. it helps in uniform distribution of sound ✓
- C. it blocks sound propagation
- D. it eliminates all echoes

Q19 General Science

Which of the following statements about the magnetic field due to a circular loop is true?

- A. The field depends on current and radius. ✓
- B. The field lines at the centre are circular.
- C. The field lines are parallel to the plane of the loop.
- D. The field is uniform everywhere around the loop.



Q20 General Science

Which gas is used by animals to live under water?

- A. Carbon dioxide
- B. Nitrogen
- C. Dissolved oxygen ✓
- D. Dry carbon dioxide

Q21 General Science

Which of the following eye defects is mainly due to the weakening of the power of accommodation with age?

- A. Hypermetropia
- B. Myopia
- C. Astigmatism
- D. Presbyopia ✓

Q22 General Science

Which of the following life processes leads to the breakdown of glucose in the absence of oxygen?

- A. Digestion
- B. Aerobic respiration
- C. Fermentation ✓
- D. Excretion

Q23 General Science

The IUPAC name of following compound is _____.

$\text{CH}_3\text{CHBrCH}_2\text{CH}_2\text{CH}_3$.

- A. 3-Bromopentane
- B. 2-Bromopentane ✓
- C. 2-Bromopentene
- D. 1-Bromopentane

Q24 General Science

In the following reaction, $\text{Fe} + \text{CuSO}_4 \rightarrow \text{FeSO}_4 + \text{Cu}$, iron:

- A. is oxidised ✓
- B. is unchanged
- C. is reduced
- D. acts a catalyst

Q25 General Science

In a genetic lab, a fertilised human embryo is found to have XX chromosomes. Which of the following is true?

- A. The embryo lacks sex chromosomes.
- B. The embryo will become a human female. ✓
- C. The embryo will become a human male.
- D. The embryo has an extra Y chromosome.

Mathematics

25 Questions • Answer Key

Q26 Mathematics

A class of 91 students took a Physics test. 12 students had an average score of 64. The other students had an average score of 77. What is the average score (rounded up to one decimal place) of the whole class?

- A. 79.7
- B. 73.6
- C. 75.3 ✓
- D. 79.4

Q27 Mathematics

The number of prime numbers lying between 480 and 489 is:

- A. 2
- B. 0
- C. 1 ✓
- D. 3

Q28 Mathematics

The ratio of the present ages of P and Q is 4 : 3. Six years later, the ratio will be 5 : 4. Find the difference between their present ages.

- A. 10 years
- B. 8 years
- C. 4 years
- D. 6 years ✓

Q29 Mathematics

A train passes two tunnels of length 2091 m and 1259 m in 89 seconds and 63 seconds, respectively. What is the length of the train?

- A. 748 m
- B. 759 m
- C. 757 m ✓
- D. 747 m



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Q30 Mathematics

A sum of money is to be distributed among A, B, C and D in the ratio 6 : 7 : 17 : 19. If C gets ₹250 more than B, then how much did A receive?

A. ₹148

B. ₹150

C. ₹149

D. ₹147

Q31 Mathematics

A cylindrical pipe, open at both ends, has an external diameter of 20 cm and an internal diameter of 16 cm. If the length of the pipe is 35 cm, find the volume of the metal used in making the pipe. (Use $\pi = 22/7$)

A. 3080 cm³

B. 3520 cm³

C. 3360 cm³

D. 3960 cm³

Q32 Mathematics

Two-fifth of Vijay's marks in Hindi are more than one-third of his marks in Sanskrit by 5, while five times his marks in Hindi and five times his marks in Sanskrit together are equal to 310. Find his marks in Sanskrit.

A. 27

B. 25

C. 31

D. 35

Q33 Mathematics

A person's income and expenditure are in the ratio 9 : 5. His income rises by 60% while his expenditure falls by 10%. If his initial expenditure was ₹15,500, then what will be his final saving (in ₹)?

A. 30,690

B. 36,900

C. 30,960

D. 39,600

Q34 Mathematics

A vendor offers her customers a discount of 29% on her beauty products and she still makes a profit of 12%. What is the cost price (in ₹) of a beauty product marked at ₹896?

A. 568

B. 574

C. 622

D. 721

Q35 Mathematics

If $A : B = 4 : 6$ and $B : C = 7 : 12$, then $A : B : C$ is:

A. 14 : 21 : 36

B. 11 : 23 : 4

C. 4 : 7 : 9

D. 4 : 31 : 21

Q36 Mathematics

Navya and Bhavya can paint a house in 50 days and 75 days, respectively. If they work on alternate days, starting with Bhavya, in how many days can the duo complete painting that house?

A. 59 days

B. 55 days

C. 63 days

D. 60 days

Q37 Mathematics

One pipe can fill a tank in 4 minutes while another pipe can empty the completely filled tank in 8 minutes. If both the pipes are opened together when the tank is empty, how many minutes will it take to fill one-fourth of the tank?

A. 8

B. 2

C. 4

D. 6

Q38 Mathematics

Sachin got a new curtain at 12% discount. If Sachin did not get any discount, Sachin would have to pay ₹747 extra. So how much did Sachin pay for the curtain?

A. ₹5,478

B. ₹5,480

C. ₹5,479

D. ₹5,476



Q39 Mathematics

What is the difference between the simple interest on a principal of ₹3,600 being calculated at 15% per annum for 3 years and 14% per annum for 4 years?

A. ₹416

B. ₹406

C. ₹396



D. ₹386

Q40 Mathematics

The sides of a triangle are 148 cm, 57 cm, and 175 cm. What is the length (in cm) of its altitude corresponding to the side with a length of 57 cm?

A. 177

B. 121

C. 188

D. 140

**Q41 Mathematics**

A person saves 60% of his income. If his expenditure is ₹600, then his income (in ₹) is:

A. 1,240

B. 1,360

C. 1,500



D. 1,540

Q42 Mathematics

The cost of a washing machine is 25% less than the cost of a TV. If the cost of the washing machine increases by 34% and that of the TV decreases by 21%, then what is the percentage change in the total cost of 4 washing machines and 2 TVs?

A. Decrease by 16%

B. Increase by 12%



C. Increase by 19%

D. Decrease by 9%

Q43 Mathematics

The arithmetic mean of the observations 65, 41, 96, 44, 38, 30, 79, 90 and 21 is:

A. 56



B. 62

C. 64

D. 59

Q44 Mathematics

The length of the shadow of a vertical tower is equal to its height. Find the angle of elevation.

A. 45°



B. 30°

C. 60°

D. 75°

Q45 Mathematics

A car travels for 180 km at a speed of 60 km/hr and then returns along the same route at a speed of 45 km/hr. By how many minutes is the return journey longer than the onward journey?

A. 60 min



B. 120 min

C. 80 min

D. 15 min



Q46 Mathematics

After selling 88 phones, a store owner incurred a loss which is equal to the selling price of 8 phones. Find his loss percentage.

A. $12\frac{1}{2}\%$

B. $6\frac{1}{4}\%$

C. $8\frac{1}{3}\%$ ✓

D. 10%

Q47 Mathematics

Simplify: $\frac{(3x)^3 - (4z)^3}{9x^2 + 12xz + 16z^2} \times (3x + 4z)$

A. $9x^2 - 16z^2$ ✓

B. $\frac{1}{9x^2 + 16z^2}$

C. $9x^2 + 16z^2$

D. $\frac{1}{9x^2 - 16z^2}$

Q48 Mathematics

In a triangle XYZ, $\angle X - \angle Y = 40^\circ$ and $\angle Y - \angle Z = 25^\circ$. The ratio of $\angle Z$ to $\angle X - \angle Y$ is:

A. 4 : 5

B. 1 : 5

C. 2 : 3

D. 3 : 4 ✓

Q49 Mathematics

$\frac{4}{9} \frac{47}{99} \frac{9}{20} \frac{5}{9}$

A. $\frac{4}{9}$ ✓

B. $\frac{47}{99}$

C. $\frac{5}{9}$

D. $\frac{9}{20}$



Q50 Mathematics

Simplify:
$$\frac{2\frac{1}{2} \div \frac{5}{8} + \frac{3}{4} \times \frac{2}{3} - \frac{5}{6}}{(15-6)^2 \div 9 + \frac{1}{2}}$$

A. $\frac{20}{57}$

B. $\frac{17}{57}$

C. $\frac{22}{57}$ ✓

D. $\frac{18}{57}$

General Intelligence & Reasoning

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. QV-SO

B. MR-OK

C. KP-MJ ✓

D. OT-QM

Q52 General Intelligence & Reasoning

Atul starts from Point A and drives 9 km towards west. He then takes a left turn, drives 8 km, turns left and drives 15 km. He then takes a left turn and drives 16 km. He takes a final left turn, drives 6 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified)

A. 8 km to the south ✓

B. 7 km to the south

C. 8 km to the north

D. 7 km to the north

Q53 General Intelligence & Reasoning

Refer to the given number, symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 2 6 & 2 9 5 5 € 1 \$ 1 6 @ & € # 3 @ £ % 4 9 (Right)
How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a symbol?

A. One

B. Three

C. Two ✓

D. Four

Q54 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

842 844 848 854 862 ?

A. 878

B. 874

C. 872 ✓

D. 876



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Q55 General Intelligence & Reasoning

Seven boxes, A, B, C, D, I, J and K, are kept one over the other, but not necessarily in the same order. Only B is kept above I. Only C is kept between I and J. Only A is kept below K. How many boxes are kept between D and A?

A. One



B. Two

C. Three

D. Four

Q56 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

19 36 53 70 87 ?

A. 104



B. 103

C. 101

D. 102

Q57 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. SNM

B. NIG



C. RML

D. VQP

Q58 General Intelligence & Reasoning

If 'A' stands for '÷', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark '?' in the following equation?

43 C 80 A 8 D 6 B 5 = ?

A. 23



B. 24

C. 22

D. 21

Q59 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

GLO163, RWZ145, CHK127, NSV109, ?

A. ZDG91

B. YDG91



C. YDH91

D. YUG91

Q60 General Intelligence & Reasoning

If + means -, - means x, x means ÷ and ÷ means +, then what will come in place of the question mark (?) in the following equation?

28 - 19 ÷ 23 + 96 x 3 = ?

A. 523



B. 508

C. 541

D. 517

Q61 General Intelligence & Reasoning

In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

KIND - NKID - DNIK

COST - SCOT - TSOC

A. FROM - OFRM - MORF



B. ZONE - OZNE - EONZ

C. LAST - SLAT - ASTL

D. SIGN - SGIN - NGIS

Q62 General Intelligence & Reasoning

In a certain code language,

'A ? B' means 'A is the daughter of B'

'A = B' means 'A is the son of B'

'A @ B' means 'A is the father of B'

'A √ B' means 'A is the sister of B'

Based on the above, how is C related to L if 'C @ D = E √ F ? L'?

A. Daughter's husband



B. Father

C. Husband

D. Sister's husband



Q63 General Intelligence & Reasoning

Gautam starts from Point Y and drives 34 km towards the east. He then takes a right turn, drives 68 km, turns right and drives 55 km. He then takes a right turn and drives 11 km. He takes a right turn, drives 81 km. He then turns left, drives 57 km and stops at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again? (All turns are 90-degree turns only unless specified.)

- A. 59 km towards the east
- B. 63 km towards the west
- C. 60 km towards the west
- D. 61 km towards the east

**Q64 General Intelligence & Reasoning**

Refer to the following series and answer the question (all numbers are single-digit numbers only). Counting to be done from Left to Right only.

(Left) 7 6 1 8 4 3 9 2 7 5 8 3 4 1 6 (Right)

How many such prime numbers are there, which are immediately followed by a prime number?

- A. Three
- B. More than three
- C. One
- D. Two

**Q65 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

TGA, UID, VKG, WMJ, ?

- A. XOM
- B. ZPN
- C. ZLM
- D. YON

**Q66 General Intelligence & Reasoning**

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(14, 98, 7)
(6, 36, 6)

- A. (7, 49, 8)
- B. (8, 48, 7)
- C. (5, 25, 7)
- D. (12, 72, 6)

**Q67 General Intelligence & Reasoning**

GB 15 is related to LF 12 in a certain way. In the same way, MH 20 is related to RL 17. To which of the following is PK 26 related, following the same logic?

- A. VN 23
- B. UO 23
- C. UN 24
- D. WQ 24

**Q68 General Intelligence & Reasoning**

L, M, N, O, P and Q are sitting around a circular table facing the centre. Q sits second to the right of O. L sits second to the left of N. M is on the immediate left of Q. Who is sitting on the immediate right of P?

- A. Q
- B. M
- C. L
- D. N



Q69 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:

All blinders are curtains.
All curtains are dividers.

Conclusions:

- (I) Some dividers are curtains.
(II) All blinders are dividers.

- A. Neither conclusion (I) nor (II) follows.
B. Only conclusion (I) follows.
C. Both conclusions (I) and (II) follow. ✓
D. Only conclusion (II) follows.

Q70 General Intelligence & Reasoning

Gaurav ranked 13th from the top and 33th from the bottom in his class. How many students are there in the class?

- A. 35
B. 45 ✓
C. 33
D. 43

Q71 General Intelligence & Reasoning

PM 3 is related to KP 17 in a certain way. In the same way, NK 6 is related to IN 20. To which of the given options is TK 4 related, following the same logic?

- A. UY 14
B. GY 13
C. ON 18 ✓
D. NJ 12

Q72 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

9 12 10 13 11 ? 12

- A. 10
B. 9
C. 14 ✓
D. 15

Q73 General Intelligence & Reasoning

In a certain code language, 'SKATE' is coded as '51324' and 'ASKEW' is coded as '47315'. What is the code for 'W' in the given code language?

- A. 5
B. 4
C. 7 ✓
D. 3

Q74 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All ostriches are crows.
Some ostriches are pigeons.
Some pigeons are sparrows.

Conclusions:

- (I) Some crows are pigeons.
(II) Some ostriches are sparrows.

- A. Only I follows ✓
B. Both I and II follow
C. Only II follows
D. Neither I nor II follows

Q75 General Intelligence & Reasoning

Refer to the given number series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.
(Left) 6 8 5 2 4 9 1 6 3 2 7 1 6 9 3 8 5 4 2 1 7 8 6 5 9 7 2
(Right)

How many such even numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

- A. Three ✓
B. More than three
C. Two
D. One



Q76 General Intelligence & Reasoning

Refer to the given number series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 3 3 9 5 9 1 5 5 4 2 6 9 5 5 8 5 3 2 8 6 7 6 3 6 4 9 1
(Right)

How many such odd numbers are there, each of which is immediately preceded by an even number and also immediately followed by an even number?

A. 4

B. 5

C. 2

D. 6

Q77 General Intelligence & Reasoning

D, E, F, G, L, M and N are sitting in a straight line facing north.

Only three people sit between L and N. E sits to the immediate left of N. No one sits to the right of F. Only two people sit between F and E. M sits to the immediate right of D.

How many people sit between G and M?

A. Two

B. Three

C. One

D. Four

Q78 General Intelligence & Reasoning

In a certain code language, 'cloud is dark' is coded as 'dm ht ez' and 'the blue cloud' is coded as 'tz dm cm'. How is 'cloud' coded in that language?

A. ez

B. dm

C. tz

D. cm

Q79 General Intelligence & Reasoning

Each of the digits in the number 5236789 is arranged in ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

A. Six

B. Five

C. Four

D. Three

Q80 General Intelligence & Reasoning

A, B, C, D, W, X and Y are sitting in a straight line, facing the north.

Only three people sit to the left of D. Only A sits to the right of C. Only three people sit between C and B. X sits at some place to the left of Y but at some place to the right of W. How many people sit between W and Y?

A. One

B. Four

C. Two

D. Three

General Awareness

20 Questions • Answer Key

Q81 General Awareness

Which celebrated author released his/her debut crime novel As Dark As Blood in January 2025?

A. Banu Mushtaq

B. Shariq Us Sabah

C. Neha Dixit

D. Yasser Usman

Q82 General Awareness

Which hockey legend received a Padma Award in 2025?

A. Sandeep Singh

B. PR Sreejesh

C. Dhanraj Pillay

D. Dhanraj Pillay



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Q83 General Awareness

According to the OECD Economic Outlook (Volume 2025 Issue 1), what is the projected OECD-wide inflation rate for 2025?

A. 4.8%

B. 3.2%

C. 4.2%



D. 3.7%

Q84 General Awareness

Which tennis player broke the record for the most Grand Slam titles in 2025?

A. Jannik Sinner

B. Carlos Alcaraz

C. Novak Djokovic



D. Rafael Nadal

Q85 General Awareness

As per Sustainable Development Goals – National Indicator Framework Progress Report, 2025, what was the percentage of waste processed in 2024-25, from 17.97% in 2015-16, indicating significant progress in waste management efficiency in India?

A. 55.65%

B. 45%

C. 60%

D. 80.7%

**Q86 General Awareness**

Which Indian cricketer was inducted into the ICC Hall of Fame in June 2025?

A. Virat Kohli

B. Mahendra Singh Dhoni



C. Shikhar Dhawan

D. Rohit Sharma

Q87 General Awareness

What is the rank of India in Climate Change Performance Index 2025?

A. 14th

B. 10th



C. 8th

D. 12th

Q88 General Awareness

Which of the following cities hosted the 84th Annual General Meeting of the Governing Body of the Dattopant Thengadi National Board for Workers Education and Development in March 2025?

A. Bengaluru

B. New Delhi



C. Mumbai

D. Pune

Q89 General Awareness

What is the estimated total foodgrain production in India for 2024-25, as per the Third Advance Estimates by the Ministry of Agriculture and Farmers' Welfare?

A. 3499.00 LMT

B. 3600.20 LMT

C. 3539.59 LMT



D. 3450.75 LMT

Q90 General Awareness

Which tunnel was inaugurated by Prime Minister Narendra Modi in Jammu and Kashmir in January 2025?

A. Sonamarg tunnel



B. Howrah tunnel

C. Porbandar tunnel

D. Munnar tunnel

Q91 General Awareness

According to the Union Budget, 2025-26, presented in February 2025, approximately how much fund was allocated for pollution control in India?

A. ₹572 crore

B. ₹745 crore

C. ₹958 crore

D. ₹854 crore

**Q92 General Awareness**

Which of the following global cities was officially declared the World Book Capital 2025 by UNESCO in 2025?

A. Accra

B. Rio de Janeiro



C. Lisbon

D. Madrid



Q93 General Awareness

Which IAS officer, known for his 57 transfers in his service retired in April 2025?

- A. Priyam Saroj
- B. KPS Gill
- C. Ashok Khemka
- D. Durga Shakti Nagpal

Q94 General Awareness

Who among the following handed over the first production lots of the 32-bit microprocessor developed for space applications KALPANA3201, to Dr. V. Narayanan, Secretary, DOS /Chairman, Indian Space Research Organisation (ISRO) in March 2025?

- A. S Krishnan, Secretary, Ministry of Electronics & Information Technology (MeitY)
- B. Jitin Prasada, Minister of State, Ministry of Electronics and Information Technology (MeitY)
- C. Narendra Modi, Prime Minister of India
- D. Droupadi Murmu, President of India

Q95 General Awareness

Which of the following indicators is included in the GoStats app developed by the government of India in 2025?

- A. National Accounts Statistics and Consumer Price Index
- B. Space Mission Launches and Satellite Deployment Data
- C. International Film Awards and Music Industry Data
- D. Global Sports Rankings and Olympic Medal Tally

Q96 General Awareness

In January 2025, which two banks signed a Memorandum of Understanding (MoU) with the Assam government to provide zero-premium insurance coverage to employees?

- A. State Bank of India and Union Bank of India
- B. Axis Bank and HDFC Bank
- C. Indian Bank and Central Bank of India
- D. Bank of Baroda and Bank of India

Q97 General Awareness

Who was awarded the Major Dhyan Chand Khel Ratna Award in January 2025 for chess?

- A. Vidit Gujrathi
- B. Arjun Erigaisi
- C. Viswanathan Anand
- D. D Gukesh

Q98 General Awareness

Which edition of the India-Mongolia Joint Military Exercise NOMADIC ELEPHANT, was held from 31 May to 13 June 2025 in Ulaanbaatar, Mongolia?

- A. 13th
- B. 15th
- C. 19th
- D. 17th

Q99 General Awareness

Which city in India has achieved a notable milestone by ranking 6th worldwide in under-construction data centre capacity, according to Cushman & Wakefield's 2025 report?

- A. Hyderabad
- B. Mumbai
- C. Bengaluru
- D. Delhi

Q100 General Awareness

The Reserve Bank of India (Project Finance) Directions, 2025 have/shall come into force with effect from _____.

- A. 1 November 2025
- B. 1 October 2025
- C. 1 September 2025
- D. 1 August 2025



General Science

25 Questions · Answer Key

Q1 General Science

What is the name of the place where bees are kept for commercial honey production?

- A. Sanctuary
- B. Apiary
- C. Aquarium
- D. Aviary



Q2 General Science

Which of the following methods is NOT effective to prevent the corrosion of metals?

- A. Applying sacrificial anodes
- B. Galvanisation
- C. Exposure to moisture
- D. Painting



Q3 General Science

The reactivity series, also known as the activity series, is a list of metals arranged in order of their:

- A. increasing reactivity
- B. first decreasing, then increasing reactivity
- C. decreasing reactivity
- D. first increasing, then decreasing reactivity



Q4 General Science

A gun recoils backward when fired. The backward motion of the gun is due to:

- A. Air resistance
- B. Reaction force of the bullet on the gun
- C. Friction between gun and person
- D. Gravity acting on the gun



Q5 General Science

Which of the following compounds is unsaturated?

- A. Propane
- B. Propene
- C. Butane
- D. Methane



Q6 General Science

A charge of 1.5 C is moved through a potential difference. If the work done is 30 J, what is the potential difference between the two points?

- A. 45 V
- B. 20 V
- C. 30 V
- D. 25 V



Q7 General Science

Which of the following gases is evolved when dilute hydrochloric acid reacts with sodium hydrogencarbonate?

- A. Carbon dioxide
- B. Nitrogen
- C. Oxygen
- D. Hydrogen



Q8 General Science

What is the need for sexual reproduction in plants?

- A. To eliminate the need for pollination
- B. To produce identical clones
- C. To avoid growing flowers
- D. To increase genetic variation for better adaptation



Q9 General Science

A concave lens produces an image one-third the size of the object. If the focal length is 12 cm, the object distance is:

- A. 12 cm
- B. 18 cm
- C. 36 cm
- D. 24 cm



Q10 General Science

Which of the following environmental cues determined the sex of fertilised egg in few reptiles?

- A. Water
- B. Temperature
- C. Touch
- D. Wind velocity



Q11 General Science

Sound waves in air are longitudinal because:

- A. Particles move along the direction of propagation** ✓
- B. Particles move perpendicular to direction of propagation
- C. Particles move randomly
- D. Air molecules do not vibrate

Q12 General Science

Which of the following is a popular marine fish variety found in India?

- A. Pomfret** ✓
- B. Mrigal
- C. Rohu
- D. Catla

Q13 General Science

Which of the following cell organelles releases Adenosine Tri Phosphate (ATP) molecules needed for life activities?

- A. Mitochondria** ✓
- B. Lysosomes
- C. Golgi apparatus
- D. Vacuoles

Q14 General Science

If a body falls freely from a height, its potential energy is converted into _____.

- A. Thermal energy
- B. Chemical energy
- C. Sound energy
- D. Kinetic energy** ✓

Q15 General Science

The atomic number is defined as the total number of _____ present in the nucleus of an atom.

- A. only neutrons
- B. neutrons and half of the protons
- C. only protons** ✓
- D. protons and neutrons

Q16 General Science

In the sign convention for lenses, all distances are measured from:

- A. The optical centre of the lens** ✓
- B. The principal axis only
- C. The focus of the lens
- D. The pole of the lens

Q17 General Science

A car travels 100 km at an average speed of 50 km h^{-1} and immediately returns along the same route covering the distance in 1 hour. What is the average speed of the car for the entire journey in m s^{-1} ?

- A. 16.67 m s^{-1}
- B. 13.9 m s^{-1}
- C. 20.0 m s^{-1}
- D. 18.52 m s^{-1}** ✓

Q18 General Science

If the thrust acting on a surface is constant but the area of contact decreases, the pressure:

- A. becomes zero
- B. increases** ✓
- C. remains the same
- D. decreases

Q19 General Science

What is the atomic mass of Carbon-13 Isotope?

- A. 12 amu
- B. 13 amu** ✓
- C. 14 amu
- D. 11 amu



Q20 General Science

Read the statements given below and select the correct option.

Statement I: Zinc displaces copper from copper sulphate solution, but copper cannot displace zinc from zinc sulphate solution.

Statement II: Zinc is more reactive than copper in the reactivity series.

- A. Only statement II is correct.
- B. Both statements are correct, but Statement II does not explain Statement I.
- C. Both statements are correct, and Statement II correctly explains Statement I. ✓
- D. Only statement I is correct.

Q21 General Science

Which of the following organisms reproduce by the method of binary fission?

- A. Leishmania ✓
- B. Neem plant
- C. Rose plant
- D. Butterfly

Q22 General Science

In the connective tissue, what is the relative position of the cells with respect to each other?

- A. Tightly packed
- B. Far away from each other ✓
- C. Loosely packed
- D. One above the other

Q23 General Science

The Law of conservation of mass states that:

- A. mass can neither be created nor destroyed in a chemical reaction ✓
- B. volume can neither be created nor destroyed in a chemical reaction
- C. pressure can neither be created nor destroyed in a chemical reaction
- D. temperature can neither be created nor destroyed in a chemical reaction

Q24 General Science

Which of the following represents an end product of anaerobic respiration in animals?

- A. Lactic acid ✓
- B. Carbon monoxide
- C. Glucose
- D. Oxygen

Q25 General Science

The magnetic field at the centre of a current carrying circular loop is directly proportional to _____.

- A. inverse of current flowing through the loop
- B. the square of the radius of the circular loop
- C. the current flowing through the loop ✓
- D. the square of the current flowing through the loop

Mathematics

25 Questions • Answer Key

Q26 Mathematics

The length of each of the two equal sides of an isosceles triangle is 78 cm, and the length of its base is 60 cm. Find the area (in cm^2) of the triangle.

- A. 2165
- B. 2175
- C. 2158
- D. 2160 ✓

Q27 Mathematics

A train, 1195 m-long, is running at a speed of 23m/s. If it takes 72 seconds to cross a tunnel, then find the length of the tunnel.

- A. 452 m
- B. 454 m
- C. 461 m ✓
- D. 462 m



Q28 Mathematics

R pays ₹20 with ₹2 and ₹5 coins. If at least one coin of each denomination is used in paying the amount, then the number of ₹2 coins used is ____.

A. 8

B. 4

C. 5



D. 10

Q29 Mathematics

If an item marked at ₹758 is sold for ₹256, then what is the discount percentage? (Round off the answer to two decimal places)

A. 66.23%



B. 68.01%

C. 68.31%

D. 68.94%

Q30 Mathematics

The sum of three numbers is 4512. If the ratio between the first and second numbers is 16 : 9 and that of between the second and third is 15 : 21, then find the difference between the first and the third number.

A. 389

B. 398

C. 480

D. 408

**Q31 Mathematics**

The sides of a triangle are 102 cm, 154 cm, and 80 cm. What is the length (in cm) of its altitude corresponding to the side with a length of 154 cm?

A. 3

B. 15

C. 48



D. 94

Q32 Mathematics

A train overtakes two persons walking along a railway track. The first one walks at 5.4 km/hr. The other one walks at 18 km/hr. The train needs 30 and 44 seconds, respectively, to overtake them. What is the speed of the train, if both the persons are walking in the same direction as the train?

A. 37 km/hr

B. 49 km/hr

C. 45 km/hr



D. 38 km/hr

Q33 Mathematics

The ratio of the ages of John and James will be 8 : 7 after 8 years. If the difference between their ages is 5 years, find the present age of James.

A. 27 years



B. 35 years

C. 28 years

D. 32 years

Q34 Mathematics

Seema bought a microwave oven for ₹7,500 and sold it for ₹8,750. Find Seema's profit percentage. (Round off your answer to two decimal places.)

A. 14.23%

B. 16.33%

C. 16.67%



D. 18.67%

Q35 Mathematics

A class of 43 students took a Physics test. 10 students had an average score of 99. The other students had an average score of 55. What is the average score (rounded off to one decimal place) of the whole class?

A. 74.8

B. 66.8

C. 65.2



D. 67.5



Q36 Mathematics

What is the simple interest on a sum of ₹3,500, if the rate of interest for the first 6 years is 8% per annum and for the last 3 years is 3% per annum?

A. ₹1,995



B. ₹1,955

C. ₹2,015

D. ₹2,025

Q37 Mathematics

One pipe can fill a tank in 6 minutes while another pipe can empty the completely filled tank in 12 minutes. If both the pipes are opened together when the tank is empty, how many minutes will it take to fill one-fourth of the tank?

A. 6

B. 3



C. 12

D. 9

Q38 Mathematics

The income of Raman is ₹25,000. He saves 25.5% of his income. If his income increases by 20% and expenditure increases by 40%, then his savings will:

A. increase by ₹2,446

B. decrease by ₹2,452

C. increase by ₹2,453

D. decrease by ₹2,450

**Q39 Mathematics**

2 men or 9 women can do a job in 9 days. 2 men work for 5 days and leave. The number of women required to complete the remaining work in 9 days is:

A. 6

B. 4



C. 3

D. 7

Q40 Mathematics

If $X - Y = 20$ and $XY = 12$, then find the value of $X^2 + Y^2$.

A. 420

B. 422

C. 426

D. 424

**Q41 Mathematics**

A garrison of 1,200 men has provisions for 12 days. How long (in days) will the provisions last if the garrison is increased to 1,800 men?

A. 10

B. 8



C. 7

D. 9

Q42 Mathematics

The unit prices of lemon chocolate and strawberry chocolate are in the ratio 28 : 26, and a family consumes them in the ratio 15 : 14 by quantity. Find the ratio of expenditure on strawberry chocolate to that on lemon chocolate.

A. 12 : 21

B. 13 : 15



C. 15 : 17

D. 10 : 21

Q43 Mathematics

The number of prime numbers lying between 440 and 452 is:

A. 3

B. 2



C. 1

D. 0

Q44 Mathematics

The vertices of a quadrilateral are A(2,3), B(5,7), C(10,6), and D(7,2). Find the area of the quadrilateral ABCD.

A. 25 sq. units

B. 20 sq. units

C. 23 sq. units



D. 28 sq. units

Q45 Mathematics

The marked price of an item is set at 51% above its cost price. If the merchant sells the item at 8% below the marked price, his profit percentage (rounded off to 1 decimal place) is:

A. 36.8%

B. 42.4%

C. 38.9%



D. 42.9%



Q46 Mathematics

From a point on the ground, the angle of elevation to the top of a tower is θ such that $\tan\theta = 3/4$. Find the sine of angle θ .

A. $\frac{3}{5}$



B. $\frac{3}{4}$

C. $\frac{4}{5}$

D. $\frac{5}{3}$

Q47 Mathematics

If 30% of 40% of $\frac{5}{9}$ of a number is 704, find the number.

A. 10,540

B. 13,420

C. 10,560



D. 10,960

Q48 Mathematics

Calculate the mode of the following data. (Round off to two decimal places)

Marks	4-8	8-12	12-16	16-20	20-24	24-28	28-32	32-36
No. of Students	9	12	18	34	26	20	12	7

A. 22.67

B. 24.67

C. 18.67



D. 20.67

Q49 Mathematics

$\frac{1}{20}$ is what percentage of $\frac{2}{50}$?

A. 140%

B. 250%

C. 135%

D. 125%



Q50 Mathematics

Simplify the following.

$$(2x^3y^5z) \times (5xy^6z^2) \div (15x^2yz^2)$$

A. $\frac{2x^2y^{10}z}{5}$

B. $\frac{x^2y^5z^2}{2}$

C. $\frac{x^2y^{10}z}{3}$

D. $\frac{2x^2y^{10}z}{3}$

**General Intelligence & Reasoning**

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

Mr. Z starts from Point A and drives 14 km towards the North. He then takes a left turn, drives 19 km, then turns left and drives 30 km. He then takes a left turn and drives 21 km. He takes a final left turn, drives 16 km, and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only, unless specified.)

A. 2 km to the west



B. 3 km to the east

C. 5 km to the north

D. 1 km to the south

Q52 General Intelligence & Reasoning

Refer to the following number, symbol series and answer the question. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 1 # 2 3 Ω 9 % 4 7 8 & * £ 5 + @ 6 \$ (Right)

How many such numbers are there, each of which is immediately preceded by a symbol and also immediately followed by another number?

A. 2



B. 5

C. 3

D. 4

Q53 General Intelligence & Reasoning

Refer to the following series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 9 1 9 1 1 5 4 2 2 9 4 3 9 3 7 1 1 6 7 3 2 2 2 7 4 6 7
(Right)

How many such odd numbers are there each of which is immediately preceded by an even number and also immediately followed by an even number?

A. 2



B. 3

C. 1

D. 4

Q54 General Intelligence & Reasoning

Refer to the number and symbol series given below and answer the question that follows. Counting to be done from left to right only.

(NOTE: All numbers are single-digit numbers only.)

(Left) £ \$ 9 3 4 9 7 £ % & # 7 3 1 8 7 5 * @ 4 £ \$ (Right)

How many such numbers are there each of which is immediately preceded by a symbol and also immediately followed by a symbol?

A. 2

B. 0

C. 3

D. 1



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Q55 General Intelligence & Reasoning

What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$21 \div 5 - 25 + 180 \times 3 = ?$$

A. 75

B. 72

C. 70



D. 74

Q56 General Intelligence & Reasoning

In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one that follows the same logic.

CAFE - CEAF - ECFA

ABLY - AYBL - YALB

A. KALE - KLAE - ELAK

B. MAZE - AMZE - EAZM

C. ECHO - EOCH - OEHC



D. NEAR - NREA - ENAR

Q57 General Intelligence & Reasoning

Refer to the following series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 7 1 8 3 3 1 5 4 8 5 1 4 4 9 5 9 6 8 7 3 5 3 6 6 9 (Right)

How many such digits are there each of which is immediately preceded by a perfect square and also immediately followed by a perfect square?
(Note: 1 is also a perfect square)

A. Five

B. Three

C. Four



D. One

Q58 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All necks are faces.

Some necks are arms.

Conclusions:

(I): All arms are necks.

(II): Some faces are arms.

A. Neither follows

B. Only I follows

C. Only II follows



D. Both follow

Q59 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:

Some balls are hens.

All vans are hens.

Conclusion (I) : Some balls are vans.

Conclusion (II) : All hens are vans.

A. Only conclusion (I) follows.

B. Only conclusion (II) follows.

C. Neither conclusion (I) nor (II) follows.



D. Both conclusions (I) and (II) follow.

Q60 General Intelligence & Reasoning

In a certain code language, 'OVAL' is coded as '2635' and 'LAVE' is coded as '5762'. What is the code for 'E' in the given code language?

A. 5

B. 7



C. 2

D. 6



Q61 General Intelligence & Reasoning

QN 3 is related to RJ -12 in a certain way. In the same way, HE 7 is related to IA -8. To which of the given options is LI 11 related, following the same logic?

A. MD -8

B. ME -4 ☒

C. LE -8

D. LD -4

Q62 General Intelligence & Reasoning

If each of the digits in the number 47315628 is arranged in ascending order from left to right, then the position(s) of how many digits will remain unchanged as compared to that in the original number?

A. Three

B. Two

C. One

D. Four ☒**Q63 General Intelligence & Reasoning**

A, B, C, R, S, T and U are sitting around a circular table facing the centre of the table. Only one person sits between B and T when counted from the right of B. Only one person sits between T and R when counted from the left of R. Only one person sits between B and U when counted from the right of U. Only two people sit between C and R when counted from the left of R. Only one person sits between A and U when counted from the right of A. Who sits third to the right of S?

A. C

B. A

C. R

D. T ☒**Q64 General Intelligence & Reasoning**

F, G, H, I, M, N and O are sitting around a circular table, facing the centre of the table. Only two people sit between F and G, when counted from the right of F. Only two people sit between G and M, when counted from right of G. Only three people sit between F and N, when counted from the right of F. H sits to the immediate left of I. Who sits third to the left of O?

A. F

B. G

C. I ☒

D. H

Q65 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(13, 39, 3)

(15, 75, 5)

A. (5, 25, 15)

B. (10, 35, 3)

C. (12, 36, 3) ☒

D. (64, 8, 4)

Q66 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. HE-AX

B. YV-RO

C. RO-JJ ☒

D. EB-XU

Q67 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

OZJ81, QWN78, STR75, ?

A. URW72

B. UQV72 ☒

C. VQW73

D. VRV73

Q68 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

24 35 47 60 ? 89

A. 72

B. 66

C. 74 ☒

D. 70



Q69 General Intelligence & Reasoning

In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

TIPS - PTIS - SPIT
LOST - SLOT - TSOL

A. SPIN - ISPN - NIPS



B. OATH - OTAH - HTAO

C. FROM - OFRM - ROMF

D. BOND - OBND - DONB

Q70 General Intelligence & Reasoning

Seven boxes M, N, O, P, Q, R, and S are kept one over the other but not necessarily in the same order. Only three boxes are kept above S. Only one box is kept between R and S. Only three boxes are kept between R and Q. Q is kept at some place above S. N is kept immediately below Q. M is kept at one of the places above O. P is not kept immediately above or below R. Which box is kept at the lowermost position?

A. S

B. N

C. O



D. M

Q71 General Intelligence & Reasoning

Himesh starts from Point A and drives 4 km towards the south. He then takes a left turn, drives 7 km, turns right and drives 6 km. He then takes a right turn and drives 7 km. He takes a final right turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only, unless specified.)

A. 4 km towards north

B. 7 km towards north



C. 11 km towards east

D. 7 km towards west

Q72 General Intelligence & Reasoning

In a certain code language,

'A ? B' means 'A is the daughter of B',
'A = B' means 'A is the wife of B',
'A @ B' means 'A is the mother of B' and
'A √ B' means 'A is the father of B'.

How is C related to L if 'C @ D ? E √ F = L'?

A. Wife

B. Wife's mother



C. Wife's sister

D. Mother

Q73 General Intelligence & Reasoning

John ranked 21st from the bottom and 33rd from the top in his class. How many students are there in his class?

A. 53



B. 50

C. 51

D. 52

Q74 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. UX-SW

B. OR-MQ

C. LO-JM



D. RU-PT

Q75 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

HCK 29, KHH 42, NME 55, QRB 68, ?

A. SWX 83

B. TXZ 81

C. TWY 81



D. UVY 81



Q76 General Intelligence & Reasoning

Seven people, A, B, C, D, E, F, and G, are sitting in a row, facing the north. Only five people sit between D and F. G sits to the immediate left of F. Only one person sits between G and A. B sits at some place to the left of C but at some place to the right of E. How many people sit to the right of A?

A. 2

B. 4

C. 1

D. 3

**Q77 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

153 135 117 99 81 ?

A. 63



B. 61

C. 68

D. 69

Q78 General Intelligence & Reasoning

What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$48 + 36 \div 36 \times 24 - 50 = ?$$

A. 44



B. 42

C. 45

D. 46

Q79 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

20 27 13 34 ? 41

A. 6



B. 4

C. 8

D. 10

Q80 General Intelligence & Reasoning

In a certain code language, 'she play guiter' is coded as 'so tn yw' and 'play chess daily' is coded as 'nj bg so'. How is 'play' coded in the given language?

A. tn

B. bg

C. so



D. nj

General Awareness

20 Questions • Answer Key

Q81 General Awareness

As notified in April 2025, how many new species of Sericinae scarab beetles from the biodiversity-rich regions of India were discovered by Zoological Survey of India in collaboration with Germany's Museum A. Koenig?

A. 4

B. 5

C. 7

D. 6

**Q82 General Awareness**

As per the announcement made in May 2025, India is set to conduct its first-ever biological experiments aboard the International Space Station (ISS) to study the sustainability of Human life in Space, as an important initiative under the _____.

A. BioE9 Biotechnology policy

B. BioE7 Biotechnology policy

C. BioE5 Biotechnology policy

D. BioE3 Biotechnology policy



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Q83 General Awareness

The September 2025 guidelines on Anganwadi–School co-location emphasise which key component of child development?

- A. Digital Literacy and Coding Skills
- B. Universal Primary Health Coverage
- C. Vocational Training for Adolescents
- D. Early Childhood Care and Education ✓

Q84 General Awareness

The National Conference on 'Environment – 2025', inaugurated by President Droupadi Murmu, was held in which city?

- A. Mumbai
- B. Hyderabad
- C. New Delhi ✓
- D. Bengaluru

Q85 General Awareness

The Constitution (Scheduled Tribes) Order (Third Amendment) Bill, 2022, seeks to amend the Constitution (Scheduled Tribes) Order, 1950, with respect to its application to _____.

- A. Tamil Nadu
- B. Punjab
- C. Himachal Pradesh ✓
- D. Andhra Pradesh

Q86 General Awareness

As of June 2025, who announced the decision to host Khelo India Northeast Games every year?

- A. Narendra Modi
- B. Mansukh Mandaviya ✓
- C. Gajendra Singh Shekhawat
- D. Dharmendra Pradhan

Q87 General Awareness

The C40 World Mayors Summit of 3-5 November 2025 is scheduled for which city?

- A. Rio de Janeiro, Brazil ✓
- B. New York, USA
- C. Seoul, South Korea
- D. London, UK

Q88 General Awareness

As per the survey conducted by the Yale Program on Climate Change Communication and CVoter from 5 December 2024 to 18 February 2025, what percentage of Indians reported experiencing severe heatwaves in the past 12 months?

- A. 71% ✓
- B. 85%
- C. 60%
- D. 52%

Q89 General Awareness

In May 2025, which organization released the Global Report on Food Crises, highlighting rising hunger due to conflict and climate extremes?

- A. Food and Agriculture Organization
- B. World Bank
- C. UN Environment Programme
- D. Global Network Against Food Crises ✓

Q90 General Awareness

Which year was declared as the 'Year of Reforms' by the Ministry of Defence of the Government of India?

- A. 2024
- B. 2025 ✓
- C. 2023
- D. 2026

Q91 General Awareness

In May 2025, iPhone maker Foxconn announced to invest how much amount in India?

- A. US\$ 1.5 billion ✓
- B. US\$ 3.5 billion
- C. US\$ 5.2 billion
- D. US\$ 4.2 billion

Q92 General Awareness

Which of the following teams set the 4×100m relay record at the National Relay Carnival 2025?

- A. Anas, Jacob, Ajmal, Ramesh
- B. Gurindervir Singh, Animesh Kujur, Manikanta Hoblidar and Amlan Borgohain ✓
- C. Archana, Dhanalakshmi, Hima, Dutee
- D. Archana, Dhanalakshmi, Manikanta Hoblidar and Amlan Borgohain



Q93 General Awareness

Which of the following countries hosted the 2025 ISSF World Cup in Rifle/Pistol shooting?

A. Germany



B. Egypt

C. Peru

D. India

Q94 General Awareness

Who did Praggnanandhaa defeat to reach the No.1 spot among Indian chess players?

A. Nodirbek Abdusattorov



B. Hikaru Nakamura

C. Fabiano Caruana

D. D Gukesh

Q95 General Awareness

According to the January 2025 draft rules of the Digital Personal Data Protection Rules (DPDP) Act, children under what age require parental consent to join social media platforms?

A. 16 years

B. 20 years

C. 18 years



D. 15 years

Q96 General Awareness

Which of the following bodies implemented the 'UPI for International Transactions' pilot in 2025?

A. Securities and Exchange Board of India (SEBI)

B. Central Board of Direct Taxes (CBDT)

C. National Payments Corporation of India (NPCI)



D. Reserve Bank of India (RBI)

Q97 General Awareness

Which film featuring caste and police brutality themes was submitted as India's Oscar entry but banned domestically by the Central Board of Film Certification?

A. Chhaava

B. Bhool Chuk Maaf

C. Santosh



D. Dacoit

Q98 General Awareness

What was the purpose of Operation Brahma launched by India in March 2025?

A. Military exercise

B. War extradition

C. Tsunami relief

D. Earthquake relief



Q99 General Awareness

As per the India Justice Report, 2025, (which presents a comprehensive assessment of the capacity and performance of Indian states in delivering justice) which of the following states ranked top among small states?

A. Nagaland

B. Goa

C. Manipur

D. Sikkim



Q100 General Awareness

In June 2025, up to what loan amount did the Reserve Bank of India raise the Loan-to-Value (LTV) ratio on gold loans from 75% to 85%?

A. ₹5.5 lakhs

B. ₹2.5 lakhs



C. ₹4.5 lakhs

D. ₹3.5 lakhs



General Science

25 Questions • Answer Key

Q1 General Science

Which among the following is NOT a physical characteristic of ionic compounds?

A. Insoluble in water



B. High melting point

C. Conducts electricity in molten state

D. High boiling point

Q2 General Science

What are the two main properties of carbon that contribute to its 'versatile nature' and its ability to form a large number of compounds?

A. Isomerism and allotropy

B. High melting point and ductility

C. Catenation and tetravalency



D. Good conductivity and sonorous nature

Q3 General Science

Which of the following best explains the term 'formula unit mass'?

A. The mass of a single atom of an element

B. The total mass of all atoms in one formula unit of a compound



C. The mass of a single molecule of an element

D. The mass of one mole of a substance

Q4 General Science

Which of the following situations involves an unbalanced force?

A. A book kept on a table

B. A ball rolling on the ground and eventually stopping



C. A person standing still on the ground

D. A car moving with uniform speed on a straight road

Q5 General Science

Which of the following cells has dendrite on one end?

A. Neuron



B. Monocyte

C. Red blood cell

D. Platelet

Q6 General Science

Which of the following statements is NOT true about average speed?

A. Average speed only needs the magnitude, not direction

B. To find speed, we need both the magnitude and direction of the object



C. Its SI unit is metres per second (m/s)

D. Speed is calculated as distance divided by time

Q7 General Science

The most common electrolyte to be used for electrolytic refining of copper would be the solution of acidified:

A. copper chloride

B. copper oxide

C. copper carbonate

D. copper sulphate



Q8 General Science

Which of the following statements is correct?

A. Right-hand thumb rule gives the direction of magnetic field around a straight conductor.



B. Right-hand thumb rule cannot be applied to a straight conductor.

C. Right-hand thumb rule cannot be applied to circular loops.

D. Right-hand thumb rule can be used to find the force on a conductor in a magnetic field.

Q9 General Science

What is the role of the pollen tube in plant fertilisation?

A. To transport the male germ cell to the female germ cell



B. To form the zygote

C. To transport pollen grains to the stigma

D. To produce the male germ cell



Q10 General Science

Which of the chemical formulae represents bleaching powder?

A. $\text{Ca}(\text{ClO})_2$ ✓

B. $\text{Ca}_2(\text{ClO})_2$

C. $\text{Ca}(\text{ClO}_2)_2$

D. $\text{Ca}(\text{ClO}_2)$

Q11 General Science

If a current-carrying conductor is placed in a magnetic field and the direction of current is reversed, the force on the conductor _____.

A. doubles

B. remains the same

C. reverses direction ✓

D. becomes zero

Q12 General Science

Which type of meristematic tissue is responsible for increase in the height of plants?

A. Secondary meristem

B. Lateral meristem

C. Cambium

D. Apical meristem ✓

Q13 General Science

Which of the following shows acidic behaviour in aqueous solution?

A. NaOH

B. HCl ✓

C. $\text{Ca}(\text{OH})_2$

D. KOH

Q14 General Science

Which of the following is true regarding loudness of sound?

A. Loudness depends on the amplitude. ✓

B. Loudness depends on the wavelength.

C. Loudness depends on the speed of wave.

D. Loudness depends on the frequency.

Q15 General Science

Which of the following movements is brought about by voluntary muscles?

A. Movement of tongue ✓

B. Movement of heart

C. Movement in intestines

D. Movement in the stomach walls

Q16 General Science

Which of the following statement(s) is/are true about the pressure exerted by fluids?

(i) Fluids exert pressure on the base and walls of the container in which they are enclosed.

(ii) Pressure exerted in any confined mass of fluid is transmitted unequally in different directions.

A. Only (ii)

B. Only (i) ✓

C. Neither (i) nor (ii)

D. Both (i) and (ii)

Q17 General Science

The defect in which a person cannot see distant objects clearly but can see nearby objects is called _____.

A. astigmatism

B. myopia ✓

C. hypermetropia

D. presbyopia

Q18 General Science

Which incident was responsible for the beginning of the Chipko Movement in the village of Reni?

A. Sale of forest by local residents

B. Approval given to a contractor to fell trees near the village ✓

C. Industrial development planned by villagers

D. Government decision to use forest land for farming

Q19 General Science

Select the group of organisms in which asexual reproduction occurs by fission.

A. Flowering plants

B. All seed plants

C. All plants

D. Blue-green algae ✓



Q20 General Science

Work done by a constant force is zero if:

- A. force is variable
- B. force is large
- C. displacement is small
- D. displacement is zero or perpendicular to force ✓

Q21 General Science

A convex lens has a focal length of 25 cm. What is the power of this convex lens?

- A. -4.0 D
- B. -2.0 D
- C. +3.0 D
- D. +4.0 D ✓

Q22 General Science

Which of the following statements is correct about the 'Attraction of particles of matter'?

- A. The force of attraction is same for different particles.
- B. The force of attraction is more in liquids as compared to solids.
- C. The force of attraction is different for different particles. ✓
- D. The force of attraction is less in liquids as compared to gases.

Q23 General Science

Which of the following options is INCORRECT regarding when rate of evaporation increases?

- A. Increase in surface area
- B. Increase in humidity ✓
- C. Increase in temperature
- D. Increase in wind speed

Q24 General Science

Through which part of the female reproductive system does the egg travel from the ovary to the uterus?

- A. Fallopian tube ✓
- B. Ureter
- C. Cervix
- D. Vagina

Q25 General Science

A farmer wants to improve both the quantity and quality of honey produced on their farm. What practice should they adopt?

- A. Reduce the number of flowering plants
- B. Ensure nectar-rich flowers bloom throughout the season ✓
- C. Remove all wildflowers from the area
- D. Keep the bees in shaded areas away from plants

Mathematics

25 Questions • Answer Key

Q26 Mathematics

The marked price of a bookshelf is ₹415, which is 33% above the cost price. If the profit percentage is 13%, find the discount percentage (rounded off to two decimal places).

- A. 17.32%
- B. 18.88%
- C. 15.04% ✓
- D. 16.86%

Q27 Mathematics

A water tank is initially one-tenth full. Pipe A can empty the tank in 6 minutes. After this, pipes A, B and C are opened together to fill the tank, where pipe B can fill it in 30 minutes and pipe C in 40 minutes. How long will it take to completely fill the tank?

- A. 35 minutes
- B. 25 minutes
- C. 28 minutes
- D. 24 minutes ✓



Q28 Mathematics

If the surface area of a sphere increases by 69%, what is the percentage increase in its volume?

A. 119.7%



B. 103.5%

C. 138.6%

D. 90.3%

Q29 Mathematics

The cost of a washing machine is 25% less than the cost of a TV. If the cost of the washing machine increases by 83% and that of the TV decreases by 15%, then what is the percentage change in the total cost of 8 washing machines and 4 TVs?

A. Decrease by 42%

B. Increase by 43.8%



C. Decrease by 41%

D. Increase by 46%

Q30 Mathematics

Prakhar and Riya together invested ₹56,700 in a business. At the end of the year, out of a total profit of ₹5,400, Prakhar's share was ₹1,400. What was Prakhar's investment?

A. ₹16,200

B. ₹14,300

C. ₹14,700



D. ₹14,900

Q31 Mathematics

A train passes two tunnels of length 2492 m and 1914 m in 81 seconds and 64 seconds, respectively. What is the length of the train (in m)?

A. 254 m

B. 262 m



C. 252 m

D. 267 m

Q32 Mathematics

The price of 3 pens is equal to the price of 5 pencils. The price of 5 pens and 3 pencils is ₹34. The price of 3 pen and 5 pencils is ₹_____.

A. 32

B. 31

C. 30



D. 35

Q33 Mathematics

The sum of the modes of the data sets $\{1, 7, 3, 7, 3, x\}$ and $\{4, 8, 9, 8, 4, y\}$ is 11. If $x > y$, then find the possible correct relation between x and y .

A. $x + y = 9$

B. $x - y = 5$

C. $x - y = 3$



D. $x + y = 10$

Q34 Mathematics

If a gymnastic coach has 14 gymnasts, their heights are as follows (in cm):

172, 173, 164, 178, 168, 169, 173, 172, 173, 164, 178, 168, 169, 173

The mode of this data (in cm) is:

A. 173



B. 178

C. 172

D. 163

Q35 Mathematics

Which of the following numbers is divisible by 7, 11 and 13?

A. 2121

B. 3026

C. 6006



D. 1546

Q36 Mathematics

A ladder is leaning against a wall. The foot of the ladder is 1115.4705 cm away from the wall, and the ladder makes an angle of 60 degrees with the ground. Find the height of the wall it touches. (Round your answer to the nearest integer.)

A. 1220 cm

B. 1550 cm

C. 1932 cm



D. 1715 cm

Q37 Mathematics

If the listed price of a bag is 76% more than its cost price and a discount of 54% is announced on it, then find the loss percentage.

A. 22.6%

B. 19.04%



C. 18.5%

D. 17.55%



Q38 Mathematics

A and B working together can do a piece of work in 5 days. B alone can do the same work in 10 days. How long (in days) will A alone take to do double the work?

A. 20



B. 10

C. 21

D. 23

Q39 Mathematics

What is the length of the altitude (in cm) to the side QR of a triangle PQR with side PQ = 25 cm, PR = 25 cm and QR = 40 cm?

A. 18

B. 24

C. 15



D. 27

Q40 Mathematics

The sum of the present ages of Ankita and her daughter Anushree is 50 years. Five years ago from now, Ankita was three times as old as Anushree. What is the present age (in years) of Anushree?

A. 18

B. 10

C. 15



D. 12

Q41 Mathematics

Sheethal spends 60% of her monthly salary on household expenses. If the remaining amount after her spending is ₹33,200, what is her monthly salary?

A. ₹83,000



B. ₹76,000

C. ₹78,000

D. ₹69,000

Q42 Mathematics

The amount on a sum of ₹6,800 at the rate of 10% per annum compound interest, compounded annually, in 2 years will be:

A. ₹9,040

B. ₹8,549

C. ₹7,703

D. ₹8,228

**Q43 Mathematics**

If the height of a cylinder is 15 cm and its base area is 169π cm², then find its total surface area.

A. 5577 cm²

B. 55,770 cm²

C. 2288 cm²



D. 1225 cm²

Q44 Mathematics

If 30% of 50% of $\frac{2}{3}$ of a number is 325, find the number.

A. 2590

B. 5230

C. 3250



D. 5330

Q45 Mathematics

A company sells an article at a price such that it earns a 25% profit on the selling price. What is the actual profit percentage on the cost price? (correct to two decimal places)

A. 35.33%

B. 33.33%



C. 30.33%

D. 32.33%



Q46 Mathematics

Simplify: $\frac{35x^3y^2z}{7xy^4} \div 25xy^{-2}z$

A. $\frac{x}{2}$

B. $\frac{x}{5}$ ✓

C. $\frac{x}{7}$

D. $\frac{x}{3}$

Q47 Mathematics

What will come in place of 'A' in the following ratio?

$$\frac{180}{A} = \frac{11}{44}$$

A. 717

B. 722

C. 720 ✓

D. 723

Q48 Mathematics

Bhanu travels from City A to City B. If Bhanu drives his car at $\frac{1}{3}$ rd of his normal speed, then he reaches City B 50 minutes late.

Find the time (in minutes) that Bhanu would have taken to travel from City A to City B if he drove at his normal speed.

A. 20

B. 25 ✓

C. 29

D. 32

Q49 Mathematics

Which number should replace the question mark (?) in the following equation?

$$(57.6 \div 4.5 \times 1.5) = ? \times \frac{1}{5}$$

A. 192

B. 19.2

C. 96 ✓

D. 9.6



Q50 Mathematics

Simplify $\frac{(x^2 + 10x + 25)}{x + 5} - 5$.

A. 0

B. 10

C. x

D. 5

**General Intelligence & Reasoning**

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

In a certain code language,
 A + B means 'A is the son of B',
 A - B means 'A is the brother of B',
 A x B means 'A is the wife of B', and
 A ÷ B means 'A is the father of B'.

Based on the above, how is D related to J if 'D - F x G + H ÷ J'?

A. Wife's father

B. Wife's brother

C. Brother's wife's brother

D. Brother's wife's father

**Q52 General Intelligence & Reasoning**

Refer to the following series and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers only.)

(Left) 4 3 5 2 9 7 2 8 7 2 1 8 7 4 5 5 2 3 5 5 6 9 6 3 3 (Right)

How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an odd digit?

A. One

B. Four

C. Two

D. Three

**Q53 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series based on the English alphabetical order?
 LDS MET NFU OGV ?

A. PHW

B. PIX

C. QIW

D. RHW

**Q54 General Intelligence & Reasoning**

In a certain code language, 'travel is exciting' is coded as 'ab op kj' and 'exciting and enjoyable' is coded as 'lm ab wv'. How is 'exciting' coded in the given language?

A. op

B. wv

C. lm

D. ab

**Q55 General Intelligence & Reasoning**

Adit starts from Point A and drives 11 km towards the North. He then takes a left turn, drives 6 km, turns left and drives 17 km. He then takes a left turn and drives 13 km. He takes a final left turn, drives 6 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified.)

A. 8 km to the east

B. 7 km to the west

C. 8 km to the west

D. 7 km to the east

**Q56 General Intelligence & Reasoning**

If '+' means '-', '-' means 'x', 'x' means '÷' and '÷' means '+', then what will come in place of the question mark (?) in the following equation?

$88 \times 8 \div 9 - 2 + 17 = ?$

A. 12

B. 26

C. 15

D. 21



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Q57 General Intelligence & Reasoning

Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. G is kept immediately above B. D is kept immediately above F. Only E is kept above A. Only two boxes are kept above G. D is not kept at third position from the bottom. How many boxes are kept above D?

A. 2

B. 4

C. 3

D. 5

**Q58 General Intelligence & Reasoning**

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some dolls are pencils.

Some fingers are pencils.

Conclusions:

(I): All fingers are dolls.

(II): Some dolls are fingers.

A. Only conclusion (I) follows

B. Neither conclusion (I) nor (II) follows



C. Only conclusion (II) follows

D. Both conclusions (I) and (II) follow

Q59 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. OPN

B. PRO



C. QRP

D. WXV

Q60 General Intelligence & Reasoning

EHLQ is related to GKNT in a certain way based on the English alphabetical order. In the same way, MTTC is related to OWVF. To which of the given options is SCZL related, following the same logic?

A. UFBP

B. UFBO



C. UFOM

D. UBNJ

Q61 General Intelligence & Reasoning

In the following number-pairs, the second number is obtained by applying certain mathematical operation(s) to the first number. Select the number-pair in which the numbers are related in the same way as are the numbers of the following pairs.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

14, 2

119, 17

A. 147, 22

B. 105, 15



C. 221, 32

D. 294, 43

Q62 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 8 4 6 4 6 1 9 6 7 2 2 2 1 5 5 1 6 6 7 2 5 5 (Right)

How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an even digit?

A. Two



B. One

C. None

D. Three



Q63 General Intelligence & Reasoning

DHKT is related to ZAGM in a certain way based on the English alphabetical order. In the same way, NFUR is related to JYQK. To which of the given options is BKIW related, following the same logic?

A. XDEO

B. SCDE

C. XBGT

D. XDEP

**Q64 General Intelligence & Reasoning**

A, B, C, D, E, F and G are sitting around a circular table facing the centre. E sits to the immediate right of D. G sits second to the left of E. B sits third to the right of E. A is the immediate neighbour of C and B. How many people sit between F and C when counted from the left of F?

A. One

B. Three

C. Two



D. Four

Q65 General Intelligence & Reasoning

BFHC is related to IMOJ in a certain way based on the English alphabetical order. In the same way, DHJE is related to KOQL. To which of the given options is FJLG related, following the same logic?

A. QMNS

B. QMSN

C. MQNS

D. MQSN

**Q66 General Intelligence & Reasoning**

If 2 is added to each odd digit and 1 is subtracted from each even digit in the number 5147934, what will be the sum of the digits which are third from the left and second from the right?

A. 7

B. 11

C. 8



D. 9

Q67 General Intelligence & Reasoning

If + means -, - means ×, × means ÷ and ÷ means +, then what will come in place of the question mark (?) in the following equation?

$$187 - 4 \div 117 + 325 \times 5 = ?$$

A. 800



B. 805

C. 810

D. 875

Q68 General Intelligence & Reasoning

Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 6 © % © 7 # 5 % 5 4 2 # © 5 6 2 © \$ € 1 € 8 (Right)

How many such symbols are there each of which is immediately preceded by a number and also immediately followed by a number?

A. 8

B. 4

C. 9

D. 3

**Q69 General Intelligence & Reasoning**

A, B, C, D, W, X and Y are sitting in a straight line facing north. Only two people sit to the left of C. Only three people sit between C and W. Only one person sits between W and X. D sits to the immediate left of A. Y is not an immediate neighbour of W. How many people sit to the right of B?

A. Three

B. Four

C. One



D. Two

Q70 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

835 836 839 844 851 ?

A. 859

B. 861

C. 860



D. 858



Q71 General Intelligence & Reasoning

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statement(s) is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

Some Llamas are Sheep.
All Sheep are Mules.
No Mules are Pigeons.

Conclusion:

(I) Some Llamas are Mules.
(II) No Sheep are Pigeons.

- A. Only conclusion (I) follows.
- B. Neither conclusion (I) nor (II) follows.
- C. Only conclusion (II) follows.
- D. Both conclusions (I) and (II) follow .

Q72 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- A. KME
- B. PRK
- C. FHA
- D. SUN

Q73 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

105 87 69 51 33 ?

- A. 15
- B. 13
- C. 27
- D. 21

Q74 General Intelligence & Reasoning

Seven boxes B, D, E, P, S, T and W are kept one over the other but not necessarily in the same order. Only S is kept above P. Only two boxes are kept between P and D. Only E is kept below B. T is not kept immediately above D.

How many boxes are kept between W and E?

- A. One
- B. Two
- C. Four
- D. Three

Q75 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series to make it logically complete?

5 9 17 29 45 65 ?

- A. 70
- B. 89
- C. 80
- D. 85

Q76 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

KTV 12, IRT 24, GPR 36, ENP 48, ?

- A. CLN 60
- B. DJN 60
- C. CLM 64
- D. DJN 64

Q77 General Intelligence & Reasoning

Refer to the following series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 9 8 5 8 8 9 8 6 2 6 1 4 4 7 9 9 4 8 1 7 5 6 8 6 5 6 9
(Right)

How many such odd numbers are there each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- A. 2
- B. 1
- C. 4
- D. 3



Q78 General Intelligence & Reasoning

Seven people B, C, D, I, J, K and L are sitting around a circular table facing the centre of the table. K sits third to the left of L. I sits to the immediate left of L. D sits to the immediate left of J. J sits second to the left of C. Who sits third to the right of B?

A. C

B. K



C. D

D. J

Q79 General Intelligence & Reasoning

Mr. Akai starts from Point A and drives 15 km towards south. He then takes a right turn, drives 18 km, turns right and drives 25 km. He then takes a right turn and drives 16 km, turns right drives 5 km. He then takes a left turn drives 6 km. He takes a final right turn, drives 5 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified)

A. 4 km to the south

B. 4 km to the east

C. 4 km to the west



D. 8 km to the east

Q80 General Intelligence & Reasoning

In a certain code language, 'we cook dinner' is coded as 'hn sh ai' and 'dinner is tasty' is coded as 'la tf sh'. How is 'dinner' coded in that language?

A. la

B. sh



C. hn

D. tf

General Awareness

20 Questions • Answer Key

Q81 General Awareness

Which of the following two countries exchanged prisoners of war in Istanbul in June 2025?

A. Liberia and Sierra Leone

B. India and Pakistan

C. Israel and Iran

D. Russia and Ukraine

**Q82 General Awareness**

At which edition of the Cannes Film Festival did Boman Irani make his red carpet debut?

A. 78th



B. 77th

C. 75th

D. 76th

Q83 General Awareness

In which city did the Union Home Minister launch the pilot project of the e-Zero FIR initiative in May 2025, under the Indian Cyber Crime Coordination Centre (I4C) to improve the efficiency of investigating cyber financial frauds, supporting the vision of a Cyber Secure Bharat?

A. Kolkata

B. Mumbai

C. Lucknow

D. Delhi

**Q84 General Awareness**

Who started a cleanliness drive ahead of the national urban local bodies' conference in Manesar?

A. National Urban Forum

B. Chief Minister of Haryana

C. Manesar Municipal Corporation



D. Delhi Police



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Q85 General Awareness

In 2025, which new category was added by the Central Pollution Control Board to classify essential environmental services?

A. Black

B. Pink

C. Blue



D. Purple

Q86 General Awareness

Who from Pakistan was recognised as Best Asian Athlete in May 2025?

A. Babar Azam

B. Sana Mir

C. Arshad Nadeem



D. Mohammad Abbas

Q87 General Awareness

Which 2025 novel by Colum McCann follows a journalist on a submarine cable-laying ship?

A. Wild Dark Shore

B. Twist



C. Silver Elite

D. Under the Eye of the Big Bird

Q88 General Awareness

Who holds the No.1 world chess ranking as of June 2025?

A. R Praggnanandhaa

B. D Gukesh

C. Magnus Carlsen



D. Fabiano Caruana

Q89 General Awareness

What was the name of the chemical factory where the blast happened on 30 June 2025 in Telangana state?

A. Andhra Petrochemicals

B. Deccan Industries

C. Sigachi Chemicals



D. Bharat Chemicals

Q90 General Awareness

What is the name of the new antibiotic developed to combat AMR (Antimicrobial Resistance) in India in December 2024?

A. Amoxicillin

B. Nafithromycin



C. Cefixime

D. Azithromycin

Q91 General Awareness

What is the name of (India) Bharat's First Anti-Pesticide Bodysuit?

A. Kisan Bodysuit

B. Farmer Bodysuit

C. Kisan Kavach



D. India Kavach

Q92 General Awareness

Which of the following athletes was NOT part of the Indian 4×100 m relay team that set a new national record at the National Relay Carnival, 2025?

A. Manikanta Hoblidar

B. Amlan Borgohain

C. Animesh Kujur

D. Neeraj Chopra

**Q93 General Awareness**

The 18th edition of the Battalion Level Joint Military Exercise Surya Kiran was held in December 2024 between India and _____.

A. Sweden

B. Japan

C. Egypt

D. Nepal

**Q94 General Awareness**

In July 2025, which initiative was launched to promote workplace wellness for women in India?

A. Ayushman Bharat

B. Mahila Aarogyam Kaksh



C. Swasthya Mahila

D. Janani Suraksha Yojan



Q95 General Awareness

What amount has been allocated to the Khelo India Programme in the FY 2025-26 Budget?

- A. ₹750 crore
- B. ₹1,000 crore ✓
- C. ₹1,500 crore
- D. ₹500 crore

Q96 General Awareness

As notified in June 2025, which of the following insurance companies launched India's first car insurance with built-in crash detection, auto claims trigger?

- A. Kotak Mahindra Insurance
- B. Zuno General Insurance ✓
- C. Shriram Life Insurance
- D. Future Generali Life Insurance

Q97 General Awareness

In July 2025, which institute launched Gyanodaya for pedagogical innovation?

- A. IIM Kozhikode ✓
- B. NIT Rourkela
- C. IT Delhi
- D. IISc Bangalore

Q98 General Awareness

From which assembly constituency did Arvind Kejriwal contest in the General Election to the Assembly Constituencies of the National Capital Territory (NCT) of Delhi in 2025?

- A. New Delhi ✓
- B. Kondli
- C. Mundka
- D. Moti Nagar

Q99 General Awareness

What is the surplus amount transferred by the Reserve Bank of India (RBI) to the Centre for FY25?

- A. ₹2.69 lakh crore ✓
- B. ₹2.00 lakh crore
- C. ₹3.00 lakh crore
- D. ₹1.69 lakh crore

Q100 General Awareness

In news in 2025, what is the main function of the 'Sachet' app?

- A. Online shopping
- B. Social networking
- C. Educational tutorials
- D. Real-time disaster alerts ✓



General Science

25 Questions • Answer Key

Q1 General Science

Which of the following is responsible for the basic nature of a substance?

A. OH-



B. Cl-

C. Na+

D. H+

Q2 General Science

Bone is classified as connective tissue primarily because it:

A. Transports oxygen

B. Lacks any matrix substance

C. Contains cells dispersed in a mineralised extracellular matrix



D. Produces nerve impulses

Q3 General Science

Which of the following statements is correct for life processes in plants?

A. Environment is under the control of most plants.

B. The environmental sources of energy are uniform.

C. Environment is under the control of very few plants.

D. Environment is not under the control of plants.



Q4 General Science

200 J of heat is produced per second in an $8\ \Omega$ resistance. What is the potential difference across the resistor?

A. 40 V



B. 50 V

C. 30 V

D. 20 V

Q5 General Science

In graphite, each carbon atom is bonded to three other carbon atoms in the same plane giving a _____ array.

A. square pyramidal

B. pentagonal

C. tetragonal

D. hexagonal



Q6 General Science

In a domestic electric circuit, the main purpose of a FUSE is _____.

A. To store electricity

B. To reduce voltage

C. To prevent overloading and protect appliances



D. To increase current

Q7 General Science

Which type of muscle is found in the walls of internal organs like the stomach and intestines?

A. Voluntary muscle

B. Skeletal muscle

C. Smooth muscle



D. Striated muscle

Q8 General Science

Which of the following is NOT a method of reproduction by a solitary individual organism?

A. Fission

B. Fragmentation

C. Sexual reproduction



D. Regeneration

Q9 General Science

A high-pitch and a low-pitch sound have _____, respectively.

A. high amplitude and low frequency

B. high frequency and low frequency



C. low amplitude and high frequency

D. low frequency and high frequency

Q10 General Science

Which of the following factors is NOT responsible for corrosion?

A. Alloying



B. Water

C. Air

D. Acid



Q11 General Science

Which of the following is a primary advantage of constructing a big dam?

- A. Decentralised energy production
- B. Immediate increase in local biodiversity
- C. Prevention of all downstream flooding
- D. Generation of hydroelectric power ✓

Q12 General Science

Which of the following are cultivated for the pearls they make?

- A. Sardines
- B. Pomfrets
- C. Prawns
- D. Oysters ✓

Q13 General Science

Which of the following phenomena is NOT a physical change?

- A. Melting of ice
- B. Freezing of water
- C. Burning of candle ✓
- D. Boiling of water

Q14 General Science

Which of the following functions is NOT performed by the placenta?

- A. Produces hormones to support pregnancy
- B. Removes carbon dioxide and waste from fetal blood
- C. Allows oxygen and nutrients to pass from mother to fetus
- D. Secretes oxytocin to start childbirth ✓

Q15 General Science

What is the chemical formula of magnesium chloride?

- A. $MgCl_2$ ✓
- B. $MgCl_3$
- C. Mg_2Cl
- D. $MgCl$

Q16 General Science

Which of the following statement(s) is true when a straw appears bent when placed in a glass of water?

Statement 1: The incident ray, refracted ray, and normal lie in the same plane.

Statement 2: The ratio of sine of angle of incidence to sine of angle of refraction is constant.

- A. Only statement 1
- B. Neither statement 1 nor 2
- C. Both statement 1 and 2 ✓
- D. Only statement 2

Q17 General Science

Which of the following statements is true for a velocity-time graph of uniform velocity?

- A. The graph is a curve
- B. Area under curve = speed, not displacement
- C. Slope = Acceleration $\neq 0$
- D. Slope = Acceleration = 0 ✓

Q18 General Science

If a person does an amount of work W in time t , how is power calculated?

- A. Power = work $\div$ time ✓
- B. Power = work + time
- C. Power = time $\div$ work
- D. Power = work $\times$ time

Q19 General Science

Why are the testes positioned externally rather than inside the abdominal cavity?

- A. To form a common passage for urine and sperms
- B. To maintain a lower temperature for sperm formation ✓
- C. To regulate testosterone production
- D. To facilitate sperm transport

Q20 General Science

What is a key feature of Rutherford's atomic model?

- A. Atom has a dense positive nucleus at the center. ✓
- B. Electrons are fixed in shells around the nucleus.
- C. Atom is a uniform positive sphere throughout.
- D. Nucleus contains only electrons with negative charge.



Q21 General Science

A person wearing shoes with total area 0.02 m^2 stands on the ground. If the person's weight is 600 N , the pressure on the ground is _____.

- A. 1200 N/m^2
- B. $30,000 \text{ N/m}^2$ ✓
- C. $12,000 \text{ N/m}^2$
- D. 600 N/m^2

Q22 General Science

Butane (C_4H_{10}) exists in two different forms: one with a straight chain and one with a branched chain. What is this phenomenon called?

- A. Sublimation
- B. Polymerisation
- C. Isomerism ✓
- D. Catenation

Q23 General Science

A coin is placed on a card covering a glass. When the card is flicked quickly with a finger, the coin falls straight into the glass. What does this situation show?

- A. The coin moves because the card pushes it
- B. The flick applies a force directly to the coin
- C. The coin and card both move away due to inertia
- D. The coin remains at rest due to inertia when the card moves away ✓

Q24 General Science

According to the sign convention, the height of an erect image formed by a mirror is taken as:

- A. Zero
- B. Positive ✓
- C. Negative
- D. Imaginary

Q25 General Science

Which of the following salts will form a solution with pH greater than 7 when dissolved in water?

- A. Sodium acetate ✓
- B. Ammonium chloride
- C. Copper sulphate
- D. Sodium chloride

Mathematics

25 Questions • Answer Key

Q26 Mathematics

If $5x + 2 = 62$, then find the value of x .

- A. 20
- B. 15
- C. 12 ✓
- D. 10

Q27 Mathematics

One pipe can fill a tank in 7 minutes while another pipe can empty the completely filled tank in 56 minutes. If both the pipes are opened together when the tank is empty, how many minutes will it take to fill one-fourth of the tank?

- A. 6
- B. 2 ✓
- C. 8
- D. 4

Q28 Mathematics

The amount on a sum of ₹5,700 at 10% per annum compound interest, compounded annually, in 2 years will be:

- A. ₹7,505
- B. ₹7,798
- C. ₹6,897 ✓
- D. ₹6,629

Q29 Mathematics

In quadrilateral PQRS, the bisectors of $\angle R$ and $\angle S$ meet at the point T (inside the quadrilateral) and $\angle STR = 32.5^\circ$. If the ratio of $\angle P$ to $\angle Q$ is $6 : 7$, then what is the difference between the measures of $\angle Q$ and $\angle P$?

- A. 9°
- B. 4°
- C. 5° ✓
- D. 1°



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Q30 Mathematics

If a 8,763 m long train crosses a pole in 127 seconds, then find the time (in seconds) taken by the train to cross a 552 m long platform.

A. 135



B. 132

C. 145

D. 144

Q31 Mathematics

The marked price of a wardrobe is ₹821, which is 39% above the cost price. If the profit percent is 2%, find the discount percentage (rounded off to two decimal places).

A. 26.62%



B. 26%

C. 23.62%

D. 28.03%

Q32 Mathematics

In an election, Candidate A secured 60% of the total valid votes, while Candidate B received the rest. If the total number of valid votes was 18,600, find the difference between the number of votes the two candidates received.

A. 2,750

B. 3,720



C. 2,520

D. 3,550

Q33 Mathematics

Provisions meant for 100 men for 12 weeks are shared when 50 more men join them. For how many weeks will the provisions now last?

A. 12

B. 8



C. 10

D. 6

Q34 Mathematics

The difference in the measures of two complementary angles is 22° . Find the measure of the bigger angle.

A. 52° B. 65° C. 56° D. 50° **Q35 Mathematics**

Prakhar and Riya together invested ₹10,500 in a business. At the end of the year, out of a total profit of ₹9,000, Prakhar's share was ₹1,200. How much was Prakhar's investment?

A. ₹2,780

B. ₹1,645

C. ₹1,635

D. ₹1,400

**Q36 Mathematics**

A car's speed decreases by 20% every hour. If it covers a certain distance in 4 hours, how much time would it take to cover the same distance at its original speed?

A. 2.942 hours

B. 3.952 hours

C. 3.942 hours

D. 2.952 hours

**Q37 Mathematics**

After selling an article at a discount of 50%, the profit percentage obtained is 30%. What is the mark-up percentage?

A. 166%

B. 160%



C. 158%

D. 162%

Q38 Mathematics

A spherical chocolate truffle with radius 6 cm has a spherical hollow cavity at its centre. If the volume of chocolate used is exactly $800\pi/3 \text{ cm}^3$, what is the radius of the hollow cavity (rounded off to two decimal places)?

A. 2.26 cm

B. 2.52 cm



C. 2.18 cm

D. 2.44 cm

Q39 Mathematics

If 20% of a number is added to 72, then the result is the same number. 75% of the same number is:

A. 67.5



B. 97.5

C. 87.5

D. 77.5



Q40 Mathematics

Eighteen men can dig a well 65 feet deep in 4 days. How many men can dig a well 130 feet deep in 6 days?

A. 24



B. 26

C. 22

D. 27

Q41 Mathematics

If the median of the given data is $143 + X$, find X (round off to two decimal places).

Height in cm	No. of boys
Below 140	4
140 – 145	7
145 – 150	18
150 – 155	11
155 – 160	6
160 – 700	5

A. 6.03



B. 8.15

C. 9.23

D. 7.05

Q42 Mathematics

The area of a rectangular field is 176 m^2 and the length of its diagonal is 18 m. Find the perimeter of this field.

A. 60 m

B. 48 m

C. 61 m

D. 52 m

**Q43 Mathematics**

The number of prime numbers lying between 386 and 395 is:

A. 2

B. 1



C. 3

D. 0

Q44 Mathematics

The father is currently three times that of his son's age. Ten years ago from now, the father's age was five times the son's age. What will be the sum of their ages ten years from now?

A. 80 years

B. 90 years

C. 120 years

D. 100 years

**Q45 Mathematics**

Given that R is the third proportional of 9 and Q . If Q is the sum of first three odd natural numbers, then find the value of R .

A. 11

B. 7

C. 9



D. 10

Q46 Mathematics

The arithmetic mean of the observations 16, 85, 98, 12, 69, 95, 21, 45 and 54 is:

A. 62

B. 55



C. 63

D. 48

Q47 Mathematics

On selling an item for ₹120, a shopkeeper earns $x\%$ profit. If it is sold for ₹20 more than the earlier price, the percentage of profit would be $2x\%$. The value of x is ____.

A. 20



B. 30

C. 40

D. 15



Q48 Mathematics

If $9^k + 3^{(2k-1)} = \frac{2}{3} \left[5^{\left(k+\frac{1}{2}\right)} + 5^{\left(k-\frac{1}{2}\right)} \right]$, then k is equal to:

A. 1

B. $\frac{1}{2}$

C. $\frac{5}{2}$

D. $\frac{3}{2}$



Q49 Mathematics

$\frac{1}{20}$ is what percentage of $\frac{10}{80}$?

A. 50%

B. 55%

C. 80%

D. 40%



Q50 Mathematics

From a point P on a level ground, the angle of elevation of the top tower is 30° . If the tower is 100 m high, find the distance of point P from the foot of the tower. (Take $\sqrt{3} = 1.73$)

A. 175 m

B. 170 m

C. 178 m

D. 173 m



General Intelligence & Reasoning

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

This question is based on the five, three-digit numbers given below.

(Left) 426 125 357 489 627 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

Note: All operations to be done from left to right.

If all the numbers are arranged in ascending order, the position(s) of how many numbers will remain unchanged?

A. Two



B. Four

C. One

D. Three

Q52 General Intelligence & Reasoning

Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

YCE-FJL

LPR-SWY

A. TXZ-ZEF

B. TWX-ZDF

C. TWX-AEG

D. TXZ-AEG



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Q53 General Intelligence & Reasoning

Vinay starts from Point A and drives 10 km towards the south. He then takes a right turn, drives 4 km, turns right and drives 14 km. He then takes a right turn and drives 8 km. He takes a final right turn, drives 4 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only, unless specified.)

- A. 3 km to the west
- B. 4 km to the west
- C. 3 km to the east
- D. 4 km to the east

**Q54 General Intelligence & Reasoning**

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- A. OL-HM
- B. RO-KP
- C. LI-EJ
- D. IF-BH

**Q55 General Intelligence & Reasoning**

Refer to the following series and answer the question (all numbers are single-digit numbers only). (Counting to be done from left to right only.)

(Left) 1 4 6 7 3 8 5 3 2 1 5 9 6 6 6 6 8 7 1 6 6 3 1 (Right)

How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an odd digit?

- A. More than three
- B. Three
- C. One
- D. Two

**Q56 General Intelligence & Reasoning**

In a certain code language,
'A + B' means 'A is the father of B'
'A - B' means 'A is the mother of B'
'A × B' means 'A is the sister of B'
'A ÷ B' means 'A is the wife of B'
Based on the above, how is L related to P if 'L ÷ M + N - O × P'?

- A. Father's sister
- B. Mother's mother
- C. Mother's sister
- D. Father's mother

**Q57 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

821 823 827 833 841 ?

- A. 853
- B. 856
- C. 848
- D. 851

**Q58 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

304 313 320 325 ? 329

- A. 327
- B. 326
- C. 325
- D. 328

**Q59 General Intelligence & Reasoning**

A, B, C, D, W, X and Y are sitting in a straight line, facing the north.

Only two people sit to the left of C. Only three people sit between C and W. Only one person sits between W and X. D sits to the immediate left of A. Y is not an immediate neighbour of W.

How many people sit to the right of B?

- A. Two
- B. Three
- C. One
- D. Four



Q60 General Intelligence & Reasoning

Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers.)

(Left) % & € 5 % 3 7 @ % % % 1 * % 2 7 5 @ 6 7 1 1 (Right)

How many such symbols are there each of which is immediately preceded by a number and also immediately followed by a number?

A. 4

B. 3

C. 2



D. 1

Q61 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. DJF

B. MSO

C. BHE



D. PVR

Q62 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(6, 21, 15)

(47, 2197, 12)

A. (26, 663, 12)

B. (34, 1130, 25)

C. (30, 887, 13)



D. (35, 1215, 9)

Q63 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

No dolls are rings.

No rings are lamps.

Conclusions:

(I) All dolls are lamps.

(II) No lamps are dolls.

A. Neither conclusion (I) nor (II) follows.



B. Only conclusion (II) follows.

C. Both conclusions (I) and (II) follow.

D. Only conclusion (I) follows.

Q64 General Intelligence & Reasoning

If + means - , - means x , x means ÷ , ÷ means + , then what will come in place of the question mark (?) in the following equation?

$$20 - 6 \div 4 + 60 \times 15 = ?$$

A. 126

B. 120



C. 123

D. 118

Q65 General Intelligence & Reasoning

In a certain code language, 'FOUR' is coded as '5812' and 'ROUT' is coded as '5628'. What is the code for 'T' in the given code language?

A. 8

B. 6



C. 5

D. 2

Q66 General Intelligence & Reasoning

In a certain code language, 'star city lemon' is coded as 'fq vn ln' and 'zip lid star' is coded as 'vn iu km'. How is 'star' coded in the given language?

A. vn



B. iu

C. ln

D. fq



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Q67 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

11, 23, 47, 83, 131, ?

A. 191



B. 190

C. 193

D. 192

Q68 General Intelligence & Reasoning

Refer to the following series and answer the question (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 7 2 7 5 9 6 4 6 6 6 5 6 9 6 1 1 2 2 7 5 3 (Right)

How many such odd digits are there each of which is immediately preceded by an even digit and also immediately followed by an even digit?

A. 2



B. 1

C. 4

D. 3

Q69 General Intelligence & Reasoning

Seven boxes, M, N, O, P, Q, R, and S, are kept one over the other but not necessarily in the same order. Only P is kept above O. Only Q is kept between O and R. Only N is kept below S.

How many boxes are kept between M and N?

A. Four

B. Two

C. Three

D. One

**Q70 General Intelligence & Reasoning**

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some kites are balloons.

No balloon is a plane.

Conclusions:

(I): Some kites are planes.

(II): Some balloons are kites.

A. Only conclusion (I) follows

B. Both conclusions (I) and (II) follow

C. Only conclusion (II) follows



D. Neither conclusion (I) nor (II) follows

Q71 General Intelligence & Reasoning

MR 8 is related to RU -10 in a certain way. In the same way, IB 12 is related to NE -6. To which of the given options is US 1 related, following the same logic?

A. BH -12

B. MJ -19

C. ZV -17



D. HU -11

Q72 General Intelligence & Reasoning

Sahana ranked 4th from the top and 18th from the bottom in her class. How many students are there in the class?

A. 23

B. 25

C. 21



D. 16

Q73 General Intelligence & Reasoning

What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$25 - 33 \times 44 \div 24 + 39 = ?$$

A. 4



B. 2

C. 5

D. 6



Q74 General Intelligence & Reasoning

A, B, C, D, E, F and G are sitting around a circular table, facing the centre. Only two people sit between D and A when counted from the left of A. C sits third to the left of G. E sits to the immediate right of G. E sits second to the left of D. F is an immediate neighbour of C. How many people sit between B and G when counted from the left of G?

A. 2

B. 3

C. 1

D. 4

**Q75 General Intelligence & Reasoning**

Saksham starts from point A and drives 71 km towards east. He then takes a left turn, drives 48 km, turns left and drives 81 km. He then takes a left turn and drives 89 km. He takes a final left turn, drives 10 km and stops at point P. How far (shortest distance) and towards which direction should he drive in order to reach point A again?

(Note: All turns are 90° turns only unless specified.)

A. 42 km to the south

B. 41 km to the north



C. 44 km to the north

D. 40 km to the north

Q76 General Intelligence & Reasoning

In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

ACNE - CANE - ENCA

INCH - NICH - HCNI

A. LADY - ALDY - YDAL



B. RAKE - ARKE - AKER

C. GIRL - IGRL - LIRG

D. QUAD - QAUD - DAUQ

Q77 General Intelligence & Reasoning

A, B, C, D, W, X and Y are sitting in a straight line, facing the north.

Only three people sit between W and Y. A sits to the immediate left of Y. No one sits to the right of B. Only two people sit between B and A. X sits to the immediate right of D.

How many people sit between C and X?

A. Four

B. Three

C. Two



D. One

Q78 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

SGN 5 RFM 7 QEL 9 PDK 11 ?

A. OEL 13

B. QEL 12

C. RCJ 12

D. OCJ 13

**Q79 General Intelligence & Reasoning**

Each of the digits in the number 54761829 is arranged in descending order from left to right. What will the product of the digits that are third from the left and second from the right in the new number thus formed be?

A. 18

B. 28

C. 16

D. 14

**Q80 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series based on the English alphabetical order? VMQ TKO RIM PGK ?

A. NEJ

B. NFI

C. NEI



D. NFJ



Q81 General Awareness

Who among the following was appointed as the Chairman of the Insurance Regulatory and Development Authority of India (IRDAI) in July 2025?

- A. B. V. R. Subramaniam
- B. Amitabh Kant
- C. Ajay Seth ✓
- D. Suman Bery

Q82 General Awareness

Which of the following banks paid a record ₹8,076.84 crore dividend to the Government of India for FY25 in June 2025?

- A. Bank of Baroda
- B. Indian Bank
- C. Bank of India
- D. State Bank of India ✓

Q83 General Awareness

Which of the following is the unified inundation forecasting system launched by the Ministry of Jal Shakti in July 2025 that provides two-days advance inundation forecasts up to village level in the form of flood-inundation maps and water-level predictions?

- A. Village Flood Radar
- B. C-FLOOD ✓
- C. FloodSense Advance
- D. Unified Flood Vision

Q84 General Awareness

The Military Combat Parachute System (MCPS), which successfully carried out a combat freefall jump from 32,000 feet in October 2025, was indigenously created by _____.

- A. Hindustan Aeronautics Limited (HAL)
- B. Indian Space Research Organisation (ISRO)
- C. Bharat Electronics Limited (BEL)
- D. Defence Research and Development Organisation (DRDO) ✓

Q85 General Awareness

Where was the 17th edition of the Nomadic Elephant defense joint military drill between India and Mongolia held in 2025?

- A. Kharkhorin, Mongolia
- B. Rajasthan, India
- C. Ulaanbaatar, Mongolia ✓
- D. New Delhi, India

Q86 General Awareness

Wild Fictions: Essays published in January 2025, is written by which author?

- A. Gautam Bhatia
- B. Amitav Ghosh ✓
- C. Santanu Bhattacharya
- D. Nidhi Razdan

Q87 General Awareness

What was Parul Chaudhary's new national record time in the 3000-m steeplechase 2025 Asian Athletics Championships?

- A. 9:13.39
- B. 9:30.45
- C. 9:12.46 ✓
- D. 8:55.50

Q88 General Awareness

How many people died due to natural disasters in 2024–25 as per provisional estimates from the Disaster Management (DM) division of the Home Affairs ministry?

- A. 6900
- B. 3080 ✓
- C. 4330
- D. 1500

Q89 General Awareness

Which coach received a royal knighthood in 2025 for contributions to national football?

- A. José Mourinho
- B. Roberto Martinez
- C. Pep Guardiola
- D. Gareth Southgate ✓



Q90 General Awareness

Who among the following was awarded Comeback of the Year at the 2025 Laureus Awards?

- A. Rafael Nadal
- B. Tom Pidcock
- C. Rebeca Andrade ✓
- D. Novak Djokovic

Q91 General Awareness

In July 2025, which Union Minister introduced the National Anti-Doping (Amendment) Bill 2025 in Lok Sabha?

- A. Kiren Rijju
- B. Rajnath Singh
- C. Anurag Thakur
- D. Mansukh Mandaviya ✓

Q92 General Awareness

Which of the following banks raised \$1 billion via a 10-year USD-denominated bond in international markets in January 2025?

- A. Reserve Bank of India
- B. National Bank for Agriculture and Rural Development
- C. Exim Bank of India ✓
- D. Indian Overseas Bank

Q93 General Awareness

In September 2025, the South Western Railway (SWR) reported that its Railway Protection Force (RPF) had reached out to more than two lakh women passengers under which of the following initiative, aimed at ensuring safety and comfort for women traveling alone?

- A. Operation Meri Saheli ✓
- B. Mission Shakti
- C. Mahila Suraksha Doot Program
- D. Safe City Project

Q94 General Awareness

Which of the following was designated as the 58th Tiger Reserve of India?

- A. Panna National Park
- B. Madhav National Park ✓
- C. Ranthambore National Park
- D. Pench National Park

Q95 General Awareness

The South Asian Athletics Championships were held in _____ 2025.

- A. April
- B. May ✓
- C. March
- D. June

Q96 General Awareness

In June 2025, which of the following countries hosted the observance of the UN Virtual Worlds Day 2025?

- A. Brazil
- B. Italy ✓
- C. Germany
- D. France

Q97 General Awareness

Who among the following won the Global Teacher Prize awarded in February 2025?

- A. Mansour Al Mansour ✓
- B. Ranjitsinh Disale
- C. Asma Mustafa
- D. Sister Zeph

Q98 General Awareness

What breakthrough innovation in renewable energy storage, which replaces liquid electrolyte with a solid one, was announced in 2025?

- A. Graphene-supercapacitor hybrid
- B. Solid-state sodium-ion battery ✓
- C. Lithium-silicon flexible battery
- D. Hydrogen fusion battery

Q99 General Awareness

Which DRDO lab in Pune developed the 6.8×43 mm assault rifle prototype?

- A. The Armament Exploration and Innovation Establishment (AEIE)
- B. The Armament Research and Development Establishment (ARDE) ✓
- C. The Armament Development Establishment (ADE)
- D. The Armament Research Establishment (ARE)



Q100 General Awareness

In July 2025, Kavinder Gupta, who served as Deputy Chief Minister of Jammu and Kashmir, assumed the office of Lieutenant Governor of _____.

A. Himachal Pradesh

B. Arunachal Pradesh

C. Ladakh



D. Sikkim



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General Science

25 Questions • Answer Key

Q1 General Science

A ball is thrown vertically upward with initial velocity (u). After time (t), its velocity (v) becomes _____.

A. $v = u - gt$ ✓

B. $v = u \cdot gtv$

C. $v = gt - uv$

D. $v = u + gt$

Q2 General Science

Which statement DOES NOT relate to the versatile nature of carbon?.

A. It can have single, double, and triple bonds.

B. It has catenation.

C. It can bond ionically. ✓

D. It is tetravalent.

Q3 General Science

The pH of four different solutions are given in the options. Which of them will turn red litmus blue?

A. 4

B. 6

C. 2

D. 11 ✓

Q4 General Science

The crystalline lens of the eye mainly helps in:

A. Controlling the amount of light entering the eye

B. Detecting colour of objects

C. Providing fine adjustment of focal length ✓

D. Sending signals to the brain

Q5 General Science

According to Thomson's model of an atom, which of the following statements best describes the structure of the atom?

A. The atom consists of a dense nucleus surrounded by electrons.

B. Electrons are embedded in a positively charged sphere. ✓

C. The atom contains only neutrons and electrons.

D. Electrons revolve around a central nucleus in fixed orbits.

Q6 General Science

Which of the following is a safe sex method to help prevent the transmission of HIV (human immunodeficiency virus)?

A. Using condoms during sexual intercourse ✓

B. Taking antibiotics after sex

C. Taking multivitamins regularly

D. Sharing needles carefully

Q7 General Science

The angle between the incident ray and the emergent ray of a prism is called:

A. Angle of incidence

B. Angle of refraction

C. Angle of emergence

D. Angle of deviation ✓

Q8 General Science

Seed dispersal is important for plants because it:

A. prevents overcrowding and competition ✓

B. ensures seed death after fertilisation

C. prevents pollination

D. increases the size of seeds



Q9 General Science

Which of the following functions is NOT associated with Golgi Complex?

- A. It permits entries and exits of substances from the cell. ✓
- B. It modifies and packages proteins received from the endoplasmic reticulum.
- C. It forms lysosomes that help in intracellular digestion.
- D. It transports and secretes materials outside the cell.

Q10 General Science

What is the mass number of a neutral atom with 11 electrons, 11 protons and 12 neutrons?

- A. 12
- B. 11
- C. 23 ✓
- D. 22

Q11 General Science

Which of the following experimental observations provides the strongest evidence for the existence of particles in matter?

- A. Ice melts into water when heated
- B. A drop of ink spreads evenly in water without stirring ✓
- C. Salt dissolves faster in warm water than in cold water
- D. Water boils and produces steam

Q12 General Science

Which of the following industries uses sodium hydroxide for processing wood pulp?

- A. Food Industry
- B. Soap Industry
- C. Textile Industry
- D. Paper Industry ✓

Q13 General Science

Which of the following statements is correct?

- A. Sound travels faster in vacuum than in air.
- B. Sound can travel in vacuum because it is longitudinal.
- C. Sound requires a medium to travel and is longitudinal. ✓
- D. Sound waves are transverse and need a medium.

Q14 General Science

Which of the following statements best describes allotropes of carbon?

- A. They are different isotopes of carbon with varying numbers of neutrons.
- B. They are different structural forms of carbon with different physical properties but similar chemical properties. ✓
- C. They are compounds formed by carbon with different elements.
- D. They are isomers of carbon, having the same molecular formula but different structures.

Q15 General Science

Which of the following is/are true about the magnetic field lines around a bar magnet?

- (i) The relative strength of the magnetic field is shown by the degree of closeness of the field lines.
- (ii) No two magnetic field lines can intersect each other.

- A. Neither (i) nor (ii)
- B. Only (i)
- C. Both (i) and (ii) ✓
- D. Only (ii)

Q16 General Science

What is the purpose of cross-breeding exotic and local cattle breeds?

- A. To make the animals more aggressive
- B. To reduce food requirements
- C. To combine long lactation with disease resistance ✓
- D. To make animals smaller in size

Q17 General Science

Which of the following is a component of phloem tissue?

- A. Xylem fibres
- B. Sieve tubes ✓
- C. Vessels
- D. Tracheids



Q18 General Science

If a conductor has a resistance of $10\ \Omega$ and a potential difference of 5 V is applied across it, what is the current flowing through it?

- A. 2 A
- B. 5 A
- C. 0.2 A
- D. 0.5 A ✓

Q19 General Science

A car starts from rest and reaches a speed of 72 km/hr in 20 seconds. What is the acceleration of the car?

- A. 2 m/s^2
- B. 4 m/s^2
- C. 1 m/s^2 ✓
- D. 3 m/s^2

Q20 General Science

In animals, sensitivity or responsiveness is mainly controlled by the:

- A. nervous system ✓
- B. respiratory system
- C. digestive system
- D. circulatory system

Q21 General Science

The relationships of food chain, which can be shown as a series of branching lines is called:

- A. Spider web
- B. World wide web
- C. Trophic level
- D. Food web ✓

Q22 General Science

Where does fertilisation usually occur in the female reproductive system?

- A. Cervix
- B. Vagina
- C. Uterus
- D. Oviduct ✓

Q23 General Science

What is the role of nitrogen gas in chip packets?

- A. It prevents oxidation ✓
- B. It adds crispiness
- C. It adds flavour
- D. It absorbs moisture

Q24 General Science

A force (F) of 10 N is applied on a body, causing it to move 5 m in the direction of the force. The work done (W) is _____.

- A. 5 J
- B. 15 J
- C. 2 J
- D. 50 J ✓

Q25 General Science

Which of the following is NOT an example of action and reaction forces?

- A. When the bus stops suddenly, people fall forward ✓
- B. The swimmer pushes the water backward with her hands
- C. A rocket moving upward due to gases expelled downward
- D. Foot pushes the ground backward and ground pushes the foot forward

Mathematics

25 Questions • Answer Key

Q26 Mathematics

Smart Bazaar is offering 'Buy 14, Get 11 free' on household items. What is the net percentage discount being offered by the Smart Bazaar?

- A. 45%
- B. 46%
- C. 44% ✓
- D. 48%

Q27 Mathematics

If 20% of a number is added to 96 , then the result is the same number. 60% of the same number is:

- A. 102
- B. 92
- C. 82
- D. 72 ✓



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Q28 Mathematics

To buy furniture for a new apartment, Chang borrowed ₹50,000 at 16% per annum simple interest for 18 months. How much interest will she pay?

- A. ₹10,500
- B. ₹11,000
- C. ₹11,500
- D. ₹12,000

**Q29 Mathematics**

A motorist travels a total distance of 30 km in 50 minutes. He drives at a speed of x km/hr for the first 11 minutes, then at $2x$ km/hr for the next 25 minutes, and finally at x km/hr for the remaining part of the journey. Find the value of x .

- A. 24
- B. 29
- C. 27
- D. 21

**Q30 Mathematics**

A, B and C can do a piece of work in 3, 6 and 10 days, respectively. How long (in days) will they take to do thrice the same work, working together?

- A. 10
- B. 5
- C. 6
- D. 15

**Q31 Mathematics**

A purse has ₹1 and ₹2 coins in the ratio 3 : 2. If the total amount of money is ₹70, how many coins are there in total?

- A. 35
- B. 50
- C. 45
- D. 40

**Q32 Mathematics**

The average age of 20 students of a class is 29 years. If the age of the teacher is also included, the average age of the whole group becomes 30 years. The age (in years) of the teacher is:

- A. 52
- B. 53
- C. 49
- D. 50

**Q33 Mathematics**

If the ratio of two numbers is 8 : 7, and their HCF is 30, then their LCM is:

- A. 1662
- B. 1717
- C. 1687
- D. 1680

**Q34 Mathematics**

A number is increased by 15% and the resulting number is again increased by 10%. What is the overall percentage increase in the number?

- A. 26.5%
- B. 15%
- C. 10%
- D. 12.5%

**Q35 Mathematics**

The marked price of an item is set at 49% above its cost price. If the merchant sells the item at 16% below the marked price, his profit percentage (rounded off to 1 decimal place) is:

- A. 29.1%
- B. 25.2%
- C. 26.3%
- D. 28.8%

**Q36 Mathematics**

A rectangular box without a lid is made of thin sheet metal. The box has a length of 60 cm, a breadth of 40 cm, and a height of 30 cm. Find the total area of the sheet metal used to make the box and the cost of the sheet if 1 m^2 costs ₹50.

- A. ₹56
- B. ₹60
- C. ₹42
- D. ₹44

**Q37 Mathematics**

Which of the following numbers is the largest number between 4000 and 5000 that is completely divisible by 42?

- A. 4446
- B. 4956
- C. 4032
- D. 4998



Q38 Mathematics

If $2a + b + c = 0$ and $8a^3 + b^3 + c^3 = kabc$, then find the value of k^2 .

A. 81

B. 49

C. 36



D. 16

Q39 Mathematics

An amount of ₹4328 is divided among A, B, C and D in such a way that the shares of A and B, B and C, and C and D are in the ratios of 4 : 5, 4 : 5 and 6 : 7, respectively. The share of A (in ₹) is:

A. 804

B. 724

C. 768



D. 700

Q40 Mathematics

Rahul is 5 years younger than his sister. After 3 years, the sum of their ages will be 35 years. Find Rahul's present age.

A. 15 years

B. 14 years

C. 12 years



D. 18 years

Q41 Mathematics

Two pipes can fill a tank in 10 and 12 minutes respectively and a waste pipe can empty 6 gallons per minute. All the three pipes working together can fill the tank in 30 minutes. Find the capacity of the tank.

A. 45 gallons

B. 30 gallons

C. 40 gallons



D. 25 gallons

Q42 Mathematics

The income of Raman is ₹50,400. He saves 7.5% of his income. If his income increases by 26% and expenditure increases by 45%, then his savings will:

A. increase by ₹7,872

B. decrease by ₹7,880

C. increase by ₹7,878

D. decrease by ₹7,875

**Q43 Mathematics**

If $p : q : r = 13 : 5 : 14$ and $r : s = 42 : 3$, then what is the value of $p : q : r : s$?

A. 39:15:42:3



B. 36:19:45:4

C. 41:22:45:8

D. 40:19:48:9

Q44 Mathematics

A vendor bought 100 dozens of bananas for ₹4,800 and sold them at 4 bananas for ₹20. Find his gain percentage.

A. 25%



B. 20%

C. 35%

D. 30%

Q45 Mathematics

In quadrilateral PQRS, the bisectors of $\angle R$ and $\angle S$ meet at the point T (inside the quadrilateral) and $\angle STR = 40^\circ$. If the ratio of $\angle P$ to $\angle Q$ is 3 : 5, then what is the difference between the measures of $\angle Q$ and $\angle P$?

A. 17°

B. 21°

C. 20°



D. 24°

Q46 Mathematics

Two trains 285 metres and 235 metres long are running in the opposite direction with speeds of 61 km/hr and 83 km/hr, respectively. In how much time will the first train cross the second?

A. 16 seconds

B. 13 seconds



C. 3 seconds

D. 5 seconds



Q47 Mathematics

Simplify: $-5 \times [-4 \times \{-3 - (2 \times (-3) \times (-4) + 5 \times 6) - 3\} \div (-20 \times 3)] \times \frac{0.5}{2 \times 5}$

A. 4

B. 0.5

C. 1



D. 2

Q48 Mathematics

From the top of a 42 m high building, the angle of depression of a man on the ground is 30° . How far is the man from the base of the building?

(Take $\sqrt{3} = 1.7321$ and round off your answer to two decimal places)

A. 77.75 m

B. 79.25 m

C. 74.25 m

D. 72.75 m

**Q49 Mathematics**

(Take $\pi = \frac{22}{7}$)

A. $\frac{539\sqrt{3}}{8} \text{ cm}^3$ B. $418\sqrt{3} \text{ cm}^3$ C. $\frac{593\sqrt{3}}{8} \text{ cm}^3$ D. $\frac{539\sqrt{3}}{2} \text{ cm}^3$ **Q50 Mathematics**

The marks obtained by 15 students out of a maximum of 26 in a test are given as 14, 12, 17, 16, 19, 13, 14, 15, 11, 23, 16, 22, 21, 18, and 25. Find the product of the possible modes of this set of data.

A. 220

B. 224



C. 222

D. 225



Q51 General Intelligence & Reasoning

If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will come in place of question mark (?) in the following equation?

$$11 D 30 C 42 A 3 B 4 = ?$$

A. 35

B. 39

C. 38

D. 37

**Q52** General Intelligence & Reasoning

Saurav starts from Point A and drives 9 km towards the east. He then takes a right turn, drives 6 km, turns right and drives 11 km. He then takes a right turn and drives 11 km. He takes a final right turn, drives 2 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only, unless specified.)

A. 6 km to the south

B. 6 km to the north

C. 5 km to the north

D. 5 km to the south

**Q53** General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

$$55 \ 14 \ 58 \ 14 \ 61 \ 14 \ ?$$

A. 62

B. 65

C. 14

D. 64

**Q54** General Intelligence & Reasoning

Select the pair which follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.

KGD-AWT
FBY-VRO

A. XSO-MIF

B. XTQ-NJG



C. XTQ-MJF

D. XSO-NJG

Q55 General Intelligence & Reasoning

Select the pair which follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.

KJL-NMO
LKM-ONP

A. VUW-XXY

B. VUW-YXZ



C. VTU-XWY

D. VTU-YXZ

Q56 General Intelligence & Reasoning

If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', then what will come in place of the question mark (?) in the following equation?

$$6 B 44 A 3 D 21 C 44 = ?$$

A. 110

B. 113

C. 112

D. 111

**Q57** General Intelligence & Reasoning

Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. Only three boxes are kept below D. Only two boxes are kept between D and E. Only C is kept immediately above A. F is kept at some place below B and at some place above G. How many boxes are kept below G?

A. 2

B. 1



C. 3

D. 4

Q58 General Intelligence & Reasoning

In a certain code language, 'MORE' is coded as '1637' and 'DEMO' is coded as '4176'. What is the code for 'D' in the given code language?

A. 7

B. 1

C. 6

D. 4



Q59 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

66 81 98 117 138 ?

A. 152

B. 161



C. 159

D. 151

Q60 General Intelligence & Reasoning

In a row of 32 people facing north, Anita is 8th from the left end. If Savita sits 9th to the right of Anita, then what is Savita's position from the right end of the row?

A. 15th

B. 16th



C. 18th

D. 12th

Q61 General Intelligence & Reasoning

Refer to the following series and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers only).

(Left) 7 9 1 8 4 2 5 6 3 8 7 1 9 (Right)

How many odd numbers are there (from left to right) which are immediately followed by even numbers?

A. One

B. Two

C. More than three

D. Three

**Q62 General Intelligence & Reasoning**

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some nut are bolt.

Some bolt are rivet.

Conclusions:

(I) Some nut are rivet.

(II) All rivet are bolt.

A. Both conclusions (I) and (II) follow

B. Only conclusion (II) follows

C. Neither conclusion (I) nor (II) follows



D. Only conclusion (I) follows

Q63 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(50, 1200, 12)

(4, 120, 15)

A. (43, 2071, 24)

B. (12, 535, 22)

C. (36, 1087, 15)

D. (39, 858, 11)

**Q64 General Intelligence & Reasoning**

Refer to the given series and answer the question that follows. All numbers are single-digit numbers only. (Counting to be done from left to right only)

(Left) 6 3 6 9 9 4 4 1 7 5 6 2 1 6 6 6 6 8 8 2 9 1 5 (Right)

How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an even digit?

A. Three

B. Two



C. One

D. Four



Q65 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements: All forks are kettles. Some forks are cups.

Conclusion (I): Some kettles are cups.

Conclusion (II): All cups are forks.

A. Both conclusions (I) and (II) follow.

B. Neither conclusion (I) nor (II) follows.

C. Only conclusion (I) follows. ✓

D. Only conclusion (II) follows.

Q66 General Intelligence & Reasoning

Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 3 & 6 © 3 6 © € % 6 & 4 9 5 4 % € £ \$ % 9 1 (Right)

How many such numbers are there, each of which is immediately preceded by a symbol and also immediately followed by a symbol?

A. 4

B. 1

C. 2 ✓

D. 3

Q67 General Intelligence & Reasoning

Seven people A, B, C, D, E, F, and G are sitting in a row, facing the north. Only one person sits to the right of E. Only three people sit between G and E. Only three people sit between A and D, neither of whom sits on the left end. F sits immediately to the right of C. Only one person sits between A and B. Who sits second to the left of C?

A. A

B. E

C. D

D. G ✓

Q68 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

NSE MRD LQC KPB ?

A. HNW

B. JOA ✓

C. IOW

D. HOX

Q69 General Intelligence & Reasoning

In a certain code language,

'A ? B' means 'A is the daughter of B',

'A = B' means 'A is the son of B',

'A @ B' means 'A is the father of B' and

'A √ B' means 'A is the sister of B'.

How is C related to L if 'C ? D @ E = F √ L'?

A. Sister

B. Daughter

C. Sister's daughter ✓

D. Mother's sister

Q70 General Intelligence & Reasoning

Five people, L, M, N, O and P, are sitting in a row facing north. N is sitting at the third position from the extreme right end of the row. M is not an immediate neighbour of N. P is sitting to the immediate left of N. P is sitting to the immediate right of O. Who is sitting between N and M?

A. O

B. P

C. N

D. L ✓

Q71 General Intelligence & Reasoning

M, N, O, P, W, X and Y are sitting around a circular table facing the centre of the table.

O sits to the immediate right of P. Only three people sit between O and Y when counted from the left of O. Only three people sit between P and N when counted from the left of P. W sits to the immediate right of M. How many people sit between X and M when counted from the left of M?

A. Four

B. Two ✓

C. One

D. Three



Q72 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

612 610 620 617 627 623 ?

A. 631

B. 635

C. 633



D. 637

Q73 General Intelligence & Reasoning

In a certain code language, 'TOUR' is coded as '4139' and 'BRUT' is coded as '4318'. What is the code for 'B' in the given code language?

A. 1

B. 3

C. 4

D. 8

**Q74 General Intelligence & Reasoning**

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 1 6 4 5 6 6 4 7 4 4 2 4 7 4 3 1 9 2 4 3 6 9 7 8 2 7 1
(Right)

How many such even numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

A. Four

B. Five



C. Six

D. Seven

Q75 General Intelligence & Reasoning

If + means $\times$, $\times$ means $\div$ and $\div$ means +, then what will come in place of the question mark (?) in the following equation?

$28 + 11 - 3 \div 45 \times 9 = ?$

A. 4

B. 0



C. 14

D. 9

Q76 General Intelligence & Reasoning

GKPY is related to JFST in a certain way based on the English alphabetical order. In the same way, SQBE is related to VLEZ. To which of the following options is BBKP related, following the same logic?

A. EWKM

B. EKMI

C. EWNK



D. EKIO

Q77 General Intelligence & Reasoning

Which of the following letter-clusters will replace the question mark (?) in the given series to make it logically complete?

IGP 3 KIO -10 MKN -23 OMM -36 ?

A. OPL -45

B. QOL -49



C. PLO -44

D. POI -47

Q78 General Intelligence & Reasoning

Mohini starts from Point A and drives 13 km towards south. She then takes a right turn, drives 7 km, turns right and drives 7 km. She then takes a right turn and drives 3 km. She takes a final left turn, drives 6 km and stops at Point P. How far (shortest distance) and towards which direction should she drive in order to reach Point A again?

(Note: All turns are 90° turns only unless specified.)

A. 4 km towards west

B. 8 km towards north

C. 7 km towards south

D. 4 km towards east

**Q79 General Intelligence & Reasoning**

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. UY - RA

B. RV - OX

C. NR - PT



D. MQ - JS



Q80 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. PJ – SH

B. LD – OB

C. FL – IJ

D. MQ – PN

**General Awareness**

20 Questions • Answer Key

Q81 General Awareness

Which of the following portals was launched in Punjab in June 2025 that has helped digitise land records and curb corruption in registry services?

A. Punjab Bhulekh Portal

B. Punjab Land Records System

C. Digital Registry Punjab

D. Easy Jamabandi Portal

**Q82 General Awareness**

Which of the following institutes that was launched in May 2025 developed the Bharat Forecast System to give sharper rain alerts?

A. India Meteorological Department

B. Indian Institute of Tropical Meteorology



C. Indian Institute of Science

D. National Centre for Medium Range Weather Forecasting

Q83 General Awareness

Who among the following won the 2025 Pritzker Architecture Prize awarded in May 2025?

A. Jeanne Gang

B. Shigeru Ban

C. David Chipperfield

D. Liu Jiakun

**Q84 General Awareness**

Which wildlife area has been recently recognised as India's 107th national park?

A. Nagarhole

B. Similipal



C. Palamau

D. Buxa

Q85 General Awareness

Where was the Bharatiya Bhasha Anubhag (Indian Languages Section) launched by Union Home Minister Amit Shah on 6 June 2025?

A. Mumbai

B. Chennai

C. Hyderabad

D. New Delhi

**Q86 General Awareness**

What major international goal does the High Seas Treaty aim to advance once in force?

A. Ban deep-sea mining

B. Create marine protected areas



C. Restrict commercial shipping lanes

D. Establish a global fisheries quota



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Q87 General Awareness

In which of the following places was the Indian Conservation Conference (ICCON) 2025, India's flagship biodiversity event, held in June 2025?

- A. Raipur
- B. Madurai
- C. Shimla
- D. Dehradun

**Q88 General Awareness**

As per the guidelines of the Reserve Bank of India, from 1 August 2025, the trading hours of market repo and Tri-Party Repo (TREP) were extended till what time?

- A. 7:00 PM
- B. 6:00 PM
- C. 4:00 PM
- D. 5:00 PM

**Q89 General Awareness**

What is the purpose of the new Global Innovation Hub 'District I' launched in Bengaluru Airport City?

- A. Military Drone Development
- B. Deep-tech entrepreneurship and AI innovation
- C. Space mission and control Centre
- D. Retail and e-commerce incubation

**Q90 General Awareness**

Which Indian environmental activist was in the news for leading a youth movement in 2025?

- A. Disha Ravi
- B. Medha Patkar
- C. Licypriya Kangujam
- D. Ridhima Pandey

**Q91 General Awareness**

Which shooter won the Major Dhyan Chand Khel Ratna Award in January 2025?

- A. Sarabjot Singh
- B. Anish Bhanwala
- C. Swapnil Kusale
- D. Manu Bhaker

**Q92 General Awareness**

In the 56th meeting of Monetary Policy Committee (MPC) held from 4 to 6 August 2025, real GDP growth for Q1 2026-27 was projected at:

- A. 6.3%
- B. 6.6%
- C. 6.5%
- D. 6.8%

**Q93 General Awareness**

What is the total plantation budget for afforestation schemes in the financial year 2025?

- A. ₹910 Crores
- B. ₹684 Crores
- C. ₹300 Crores
- D. ₹756 Crores

**Q94 General Awareness**

What is the name of the new digital platform being developed by the Election Commission of India (ECI) in 2025?

- A. ECI Connect
- B. VoterHub
- C. ECINET
- D. ElectionLink

**Q95 General Awareness**

Which edition of International Conference on 'Arbitrating Indo-UK Commercial Disputes' was organised by the Indian Council of Arbitration (ICA) during the London International Disputes Week (LIDW) in June 2025?

- A. 3rd
- B. 5th
- C. 4th
- D. 2nd



Q96 General Awareness

Which of the following institutes was chosen by the Indian Council of Medical Research (ICMR) in January 2025 to establish South India's first Infectious Disease Research and Diagnostic Laboratory (IRDL)?

- A. Kamineni Academy of Medical Sciences And Research Centre, Hyderabad
- B. Christian Medical College (CMC), Vellore
- C. Bangalore Medical College and Research Institute (BMCRI) ✓
- D. Sri Ramachandra Medical College and Research Institute, Chennai

Q97 General Awareness

Which legend won the Laureus Lifetime Achievement Award 2025?

- A. Kelly Slater ✓
- B. Rafael Nadal
- C. Usain Bolt
- D. Serena Williams

Q98 General Awareness

Who became the first Indian boxer to win a gold medal at the World Boxing Cup in 2025?

- A. Abhinash Jamwal
- B. Shiva Thapa
- C. Amit Panghal
- D. Hitesh Gulia ✓

Q99 General Awareness

In the Asian Athletics Championships 2025, how many gold medals did India secure?

- A. 6
- B. 8 ✓
- C. 4
- D. 12

Q100 General Awareness

Anurag Kashyap's upcoming bilingual action-thriller Dacoit features which actor alongside Mrunal Thakur?

- A. Adivi Sesh ✓
- B. Prithviraj Sukumaran
- C. Dulquer Salmaan
- D. Fahadh Faasil



General Science

25 Questions • Answer Key

Q1 General Science

What is the primary function of epithelial tissue?

- A. Support
- B. Protection ✓
- C. Control
- D. Movement

Q2 General Science

Which of the following statements is true about mass?

- A. Mass and weight are exactly the same
- B. Mass depends on the location of the body
- C. Mass is a measure of the force acting on a body
- D. Mass is a measure of inertia of a body ✓

Q3 General Science

The anion formed by which of the following non-metals reacts with Ca^{2+} ion to form a stable ionic compound?

- A. Carbon
- B. Nitrogen
- C. Boron
- D. Oxygen ✓

Q4 General Science

In a concave mirror, a ray of light directed towards the principal focus after reflection:

- A. Diverges away from the axis
- B. Retraces its path
- C. Passes through the center of curvature
- D. Becomes parallel to the principal axis ✓

Q5 General Science

Select the correct example of a crystalline solid.

- A. Only sand
- B. Only salt
- C. All salt, sugar and sand
- D. Both sugar and salt ✓

Q6 General Science

Through the phenomenon of biological magnification, which of the following has the maximum concentration of pesticides in them?

- A. Grass
- B. Snake ✓
- C. Grasshopper
- D. Frog

Q7 General Science

$(\text{CH}_3)_3\text{C}-\text{CH}_3$ represents the structural formula of which of the following organic compounds?

- A. 3-methyl butane
- B. methyl butane
- C. 2,2-dimethyl propane ✓
- D. 2,3-dimethyl propane

Q8 General Science

If 0.2 A current flows through a wire when the potential difference across it is 2 V, what is the resistance of the wire?

- A. $0.1\ \Omega$
- B. $4\ \Omega$
- C. $1\ \Omega$
- D. $10\ \Omega$ ✓

Q9 General Science

Which of the following products is formed on complete combustion of hydrocarbons?

- A. Methane and hydrogen
- B. Methane and oxygen
- C. CO_2 and water ✓
- D. CO and water



Q10 General Science

Which of the following is a psychological change associated with sexual maturity?

- A. Development of brain
- B. Hair growth on skin
- C. Desire of independence and mood swings ✓
- D. Increased physical activity

Q11 General Science

The wavering of objects seen through a turbulent hot air stream is an example of:

- A. dispersion of light
- B. small-scale atmospheric refraction ✓
- C. internal reflection in air layers
- D. diffraction in air

Q12 General Science

Which of the following statements about oxidation and reduction are correct?

- I. A substance is said to be oxidised if it gains oxygen or loses hydrogen.
- II. A substance is reduced if it loses oxygen or gains hydrogen.
- III. In every redox reaction, both oxidation and reduction occur simultaneously.

- A. I and III only
- B. I and II only
- C. I, II, and III ✓
- D. II and III only

Q13 General Science

What happens to the inter-particle space when a solid melts into a liquid?

- A. It increases ✓
- B. It becomes zero
- C. It decreases
- D. It remains the same

Q14 General Science

Which of the following statements is/are correct?

- A) The formula unit mass of CaCl_2 is 111 u.
- B) The formula unit mass is calculated in the same manner as we calculate the molecular mass.
- C) The formula unit mass is calculated in a manner that is different to how we calculate the molecular mass.

- A. Only C
- B. Only B and C
- C. Only A and B ✓
- D. Only A

Q15 General Science

Which of the following is the fluid content inside the plasma membrane?

- A. Ribosomes
- B. Cell wall
- C. Nuclear membrane
- D. Cytoplasm ✓

Q16 General Science

Which of the following statements about nervous tissue is correct?

- A. Nervous tissue consists of neurons and is found in the brain, spinal cord and nerves ✓
- B. Nervous tissue is composed of epithelial cells that form protective layers.
- C. Nervous tissue is responsible for voluntary movement and is attached to bones.
- D. Nervous tissue is made up of muscle fibres responsible for movement.

Q17 General Science

Which of the following statements is correct about reproduction in plants?

- A. Spores are produced only during sexual reproduction.
- B. Spores can alone produce new offspring. ✓
- C. Gametes can alone produce new offspring.
- D. Spores need fusion with another spore to produce new offspring.



Q18 General Science

Which of the following does NOT involve oxidation reaction?

- A. Rusting of iron
- B. Burning of wood
- C. Dissolution of salt in water ✓
- D. Electrolysis of water

Q19 General Science

A compass needle placed near a current-carrying conductor shows deflection because:

- A. Current produces electric field
- B. Current produces sound
- C. Current produces heat
- D. Current produces magnetic field ✓

Q20 General Science

Which of the following is a T-shaped intra-uterine contraceptive device that offers long-term (multi-year) birth control?

- A. Birth control pill
- B. Male condom
- C. Copper-T ✓
- D. Diaphragm

Q21 General Science

If a constant force of 10 N moves an object 5 m in the same direction as the force, the work done is:

- A. 15 J
- B. 5 J
- C. 50 J ✓
- D. 2 J

Q22 General Science

Why is the gravitational force considered a weak force in everyday terrestrial interactions, such as between you and a friend sitting nearby?

- A. Because the mass of human objects is much greater than the Earth's mass.
- B. Because the distance between the objects is negligibly small.
- C. Because the force is only significant when large masses (like planets or celestial bodies) are involved. ✓
- D. Because the force is only experienced when the objects are in free fall.

Q23 General Science

What is the minimum time gap needed between the original sound and its echo for us to hear a clear echo?

- A. 10 seconds
- B. 0.1 seconds ✓
- C. 0.01 seconds
- D. 1 second

Q24 General Science

What happens when an unbalanced force acts on an object?

- A. The object remains at rest permanently
- B. There is a change in the object's speed or direction of motion ✓
- C. The object always moves in a circular path
- D. The object moves without any acceleration

Q25 General Science

Which of the following is an example of natural ecosystem?

- A. Fish aquarium
- B. Hydroponics
- C. Kitchen garden
- D. Forests ✓



Q26 Mathematics

A regular hexagonal tile has a side length of 6 cm. The tile is divided into 6 equilateral triangles by drawing lines from the centre to each vertex. If 3 alternate triangles are painted blue, what is the total blue painted area (rounded off to two decimal places)?

A. 46.77 cm²



B. 44.77 cm²

C. 47.27 cm²

D. 45.27 cm²

Q27 Mathematics

DMART is offering 'Buy 30, get 21 free' on grocery items. What is the net percentage discount being offered by the DMART? (Corrected up to two decimal places)

A. 39.7%

B. 44.15%

C. 41.18%



D. 42.01%

Q28 Mathematics

Which of the following numbers is divisible by 105?

A. 4525

B. 4675

C. 4845

D. 4515

**Q29 Mathematics**

If $a + b = 8$ and $ab = 12$, calculate the value of $a^2 + b^2$.

A. 35

B. 40



C. 30

D. 45

Q30 Mathematics

In quadrilateral PQRS, the bisectors of $\angle R$ and $\angle S$ meet at the point T (inside the quadrilateral) and $\angle STR = 36^\circ$. If the ratio of $\angle P$ to $\angle Q$ is $2 : 7$, then what is the difference between the measures of $\angle Q$ and $\angle P$?

A. 43°

B. 40°



C. 45°

D. 39°

Q31 Mathematics

If 20% of a number is added to 84, then the result is the same number. 80% of the same number is:

A. 114

B. 104

C. 94

D. 84

**Q32 Mathematics**

Ajay and Shanu together have ₹1,050. If ₹350 is taken from Ajay, he will have the same amount that Shanu had initially. Find the initial ratio of the amounts with Ajay and Shanu.

A. 4 : 3

B. 3 : 2

C. 5 : 4

D. 2 : 1

**Q33 Mathematics**

The arithmetic mean of the observations 39, 91, 32, 73, 84, 18, 83, 83 and 28 is:

A. 62

B. 51

C. 59



D. 50

Q34 Mathematics

Which of the following numbers is divisible by 6?

A. 7993043

B. 6348681

C. 7699504

D. 7132950

**Q35 Mathematics**

Nick, Kevin, and Joe can finish a certain piece of work in 10, 47, and 24 days, respectively. All three of them started the work together. Nick left the work after 2 days and Kevin left just 5 days before the work was completed. Find the total number of days taken for the work to be completed.

A. 19.8

B. 12.5

C. 14.4



D. 18.9



Q36 Mathematics

The sides of a triangle are 45 cm, 28 cm, and 53 cm. What is its area (in cm^2)?

A. 624

B. 623

C. 630



D. 603

Q37 Mathematics

One pipe can fill a tank in 9 minutes while another pipe can empty the completely filled tank in 18 minutes. If both the pipes are opened together when the tank is empty, how many minutes will it take to fill one-half of the tank?

A. 19

B. 9



C. 18

D. 10

Q38 Mathematics

A product was sold for ₹980, resulting in a loss of ₹150. To earn a profit of ₹270 instead, what should be its revised selling price?

A. ₹1,430

B. ₹1,400



C. ₹1,100

D. ₹1,130

Q39 Mathematics

The population of a village increased by 5% in 2023 and was expected to increase again by 6% in 2024. Find the overall percentage increase in the population of the village over the two years.

A. 12.2%

B. 14.22%

C. 11.3%



D. 11.13%

Q40 Mathematics

A sum of money was invested at simple interest at a certain rate for 10 years. Had it been invested at a 6% per annum higher rate, it would have fetched ₹5,700 more. Find the principal.

A. ₹10,000

B. ₹8,500

C. ₹9,500



D. ₹9,000

Q41 Mathematics

Isha buys a gold ring for her mother. The gold ring is marked at ₹50,000, and two successive discounts of 30% and R%, respectively, are given. After getting the two successive discounts, she paid ₹14,000. Find the value of R.

A. 59

B. 62

C. 58

D. 60

**Q42 Mathematics**

The cost of a washing machine is 25% less than the cost of a TV. If the cost of the washing machine increases by 66% and that of the TV decreases by 57%, then what is the percentage change in the total cost of 7 washing machines and 5 TVs?

A. Increase by 6%



B. Increase by 8%

C. Decrease by 1%

D. Decrease by 7%

Q43 Mathematics

Two numbers add up to 98. If twice the smaller number minus the bigger number equals 28, find the smaller number.

A. 56

B. 42



C. 48

D. 36



Q44 Mathematics

The sum of ages of three brothers is 52 years. The eldest is 4 years older than the middle brother, and the middle brother is 6 years older than the youngest. Find the age of the eldest brother.

A. 14 years

B. 22 years ☒

C. 18 years

D. 24 years

Q45 Mathematics

The sum of three numbers is 2316. If the ratio between the first and second numbers is 16 : 10 and that of between second and third is 6 : 18, then find the difference between the first and the third number.

A. 574

B. 579 ☒

C. 547

D. 597

Q46 Mathematics

What is the average speed of a bike, which covers half the distance with a speed of 42 km/hr and the other half with a speed of 84 km/hr?

A. 47 km/hr

B. 63 km/hr

C. 57 km/hr

D. 56 km/hr ☒

Q47 Mathematics

If $5^{u+v} = 625$ and $625^{u-v} = 5$, then the value of u is:

A. $\frac{15}{8}$

B. 25

C. $\frac{17}{8}$ ☒

D. 125

Q48 Mathematics

Find the value of $\sin^2 45^\circ + \cos^2 45^\circ$.

A. $\sqrt{2}$

B. 1 ☒

C. 2

D. $1/2$

Q49 Mathematics

If the difference of the mode and median of a data is 52, then find the difference of the median and mean.

A. 26 ☒

B. 22

C. 24

D. 28



Q50 Mathematics

Walking at $\frac{2}{7}$ of his normal speed, Abhijeet is 30 minutes late in reaching his office. The usual time taken by him to cover the distance between his home and his office is:

- A. 5 minutes
- B. 15 minutes
- C. 12 minutes
- D. 13 minutes

**General Intelligence & Reasoning**

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

A, B, C, D, E, F and G are sitting around a circular table facing the centre. B sits second to the right of D. C is the immediate neighbour of A and B. E sits to the immediate right of G. How many people sit between F and B when counted from the left of F?

- A. Five
- B. Three
- C. Four
- D. Two

**Q52 General Intelligence & Reasoning**

Refer to the number series given below and answer the question that follows. Counting to be done from left to right only.

(NOTE: All numbers are single-digit numbers only.)

(Left) 4 1 8 7 1 5 3 4 2 9 7 3 9 1 9 4 4 4 9 2 9 2 9 8 1 4 9
(Right)

How many such odd numbers are there each of which is immediately preceded by an odd number and also immediately followed by an even number?

- A. 1
- B. 4
- C. 3
- D. 2

**Q53 General Intelligence & Reasoning**

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- A. KOO
- B. TWX
- C. ILM
- D. WZA

**Q54 General Intelligence & Reasoning**

Seven boxes B, C, D, I, J, K, and L are kept one over the other but not necessarily in the same order. Only I is kept above L. Only three boxes are kept between I and B. Only K is kept below C. D is kept immediately above B. How many boxes are kept between J and K?

- A. Three
- B. One
- C. Two
- D. Four

**Q55 General Intelligence & Reasoning**

In a certain code language, 'soup hat honey' is coded as 'vc iw dp' and 'honey wall yak' is coded as 'ar hw iw'. How is 'honey' coded in the given language?

- A. iw
- B. vc
- C. ar
- D. dp



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Q56 General Intelligence & Reasoning

This question is based on the five, three-digit numbers given below.

(Left) 582 128 563 183 592 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

NOTE - All operations to be done from left to right.

What will be the resultant if the third digit of the highest number is added to the second digit of the lowest number?

A. 3

B. 4

C. 7

D. 6

Q57 General Intelligence & Reasoning

Each of the digits in the number 2365987 is arranged in descending order from right to left. Calculate the sum of the digits whose position(s) remain(s) unchanged as compared to that in the original number.

A. 13

B. 14

C. 9

D. 12

Q58 General Intelligence & Reasoning

In a certain code language,

P # Q means 'P is the father of Q',

P % Q means 'P is the sister of Q',

P @ Q means 'P is the wife of Q' and

P & Q means 'P is the brother of Q'.

Based on the above, how is G related to J if 'G @ D # B @ K # J'?

A. Husband's sister

B. Father's mother

C. Mother's mother

D. Father's sister

Q59 General Intelligence & Reasoning

Refer to the following series and answer the question (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 5 7 9 4 2 1 4 7 9 3 2 6 8 5 4 1 9 5 4 3 2 (Right)

How many such even digits are there each of which is immediately preceded by an even digit and also immediately followed by an even digit?

A. 1

B. 3

C. 4

D. 2

Q60 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting / multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(13, 39, 3)

(15, 75, 5)

A. (64, 8, 4)

B. (10, 35, 3)

C. (12, 36, 3)

D. (5, 25, 15)

Q61 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

CMN KUV SCD AKL ?

A. IST

B. STI

C. IDE

D. ISD



Q62 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. EHJ

B. UXZ

C. KNP

D. DHI

**Q63 General Intelligence & Reasoning**

Six cadets, Ram, Shyam, Ravi, John, Noel and Rohan, are standing around a round flag-hoisting pole, facing towards the centre. Noel is the immediate neighbour of Ram and Rohan. John is third to the left of Ram. Ravi and Shyam are sitting next to each other. John is a neighbour of both Shyam and Rohan. Who amongst the following is sitting between Ram and Shyam, when counted from the left of Shyam?

A. Ram

B. Ravi



C. Noel

D. Rohan

Q64 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

7P25 10Q20 ? 16S10 19T5

A. 13R15



B. 14R15

C. 15R13

D. 16R15

Q65 General Intelligence & Reasoning

DI 2 is related to UZ 8 in a certain way. In the same way, MR 4 is related to DI 64. To which of the given options is OT 3 related, following the same logic?

A. LE 18

B. FK 27



C. GK 16

D. NW 21

Q66 General Intelligence & Reasoning

Seven boxes B, C, D, I, J, K and L are kept one over the other but not necessarily in the same order. Only two boxes are kept between J and B. Only K is kept above I. Only two boxes are kept between K and J. C is kept at some place below L but at some place above D. How many boxes are kept between C and L?

A. Three

B. Four

C. Two

D. One

**Q67 General Intelligence & Reasoning**

Juhi starts from point A and drives 57 km towards the North. She then takes a right turn, drives 58 km, turns right and drives 61 km. She then takes a right turn and drives 60 km. She takes a final right turn, drives 4 km and stops at point P. How far (shortest distance) and towards which direction should she drive in order to reach point A again? (All turns are 90 degrees turns only unless specified.)

A. 2 km to the east



B. 1 km to the east

C. 3 km to the west

D. 4 km to the west

Q68 General Intelligence & Reasoning

If 'E' stands for '+', 'F' stands for '-', 'G' stands for 'x' and 'H' stands for '÷', what will come in place of question mark '?' in the following equation?

96 H 12 G 2 E 15 F 9 = ?

A. 24

B. 26

C. 22



D. 20



Q69 General Intelligence & Reasoning

Refer to the number series given below and answer the question that follows. Counting to be done from left to right only.

(NOTE: All numbers are single-digit numbers only.)

(Left) 3 1 6 9 6 2 1 5 8 5 3 3 8 2 6 1 7 3 7 8 7 4 9 1 5 7 4
(Right)

How many such even digits are there, each of which is immediately preceded by an even digit and also immediately followed by an even digit?

- A. Two
- B. Three
- C. More than three
- D. One

**Q70 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

1 9 25 ? 81

- A. 64
- B. 36
- C. 30
- D. 49

**Q71 General Intelligence & Reasoning**

RBUL is related to VXYH in a certain way based on the English alphabetical order. In the same way, ZTCD is related to DPGZ. To which of the given options is HLKV related, following the same logic?

- A. LHOR
- B. KGPS
- C. LIPS
- D. MINQ

**Q72 General Intelligence & Reasoning**

In a certain code language, 'desk round mom' is coded as 'md ei wx' and 'mom wheat bell' is coded as 'um ac ei'. How is 'mom' coded in the given language?

- A. ei
- B. md
- C. wx
- D. um

**Q73 General Intelligence & Reasoning**

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements: All ostriches are eagles. No ostrich is a peacock.

Conclusion (I): No eagle is a peacock.

Conclusion (II): Some peacocks are ostriches.

- A. Only conclusion (I) follows.
- B. Neither conclusion (I) nor (II) follows.
- C. Only conclusion (II) follows.
- D. Both conclusions (I) and (II) follow.

**Q74 General Intelligence & Reasoning**

TP 16 is related to LH 8 in a certain way. In the same way, PL 18 is related to HD 9. To which of the given options is LH 12 related, following the same logic?

- A. EL 8
- B. PW 6
- C. DZ 6
- D. LS 6

**Q75 General Intelligence & Reasoning**

Sahana starts from Point A and drives 6 km towards west. She then takes a left turn, drives 8 km, turns left and drives 2 km. She then takes a left turn and drives 4 km. She takes a final right turn, drives 4 km and stops at Point P. How far (shortest distance) and towards which direction should she drive in order to reach Point A again?

(Note: All turns are 90° turns only unless specified.)

- A. 4 km towards north
- B. 7 km towards north
- C. 4 km towards south
- D. 6 km towards west



Q76 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All figs are bananas.
All cups are bananas.

Conclusions:

(I) Some figs are cups.
(II) All cups are figs.

A. Both conclusions (I) and (II) follow

B. Only conclusion (I) follows

C. Only conclusion (II) follows

D. Neither conclusion (I) nor (II) follows

**Q77 General Intelligence & Reasoning**

A, B, C, R, S, T and U are sitting around a circular table facing the centre of the table. A sits third to the left of R. B sits second to the left of C. R is the immediate neighbour of both U and B. T is not an immediate neighbour of A. How many people sit between S and B when counted from the right of S?

A. One

B. Three

C. Four

D. Two

**Q78 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

87 75 63 51 39 ?

A. 25

B. 24

C. 27



D. 26

Q79 General Intelligence & Reasoning

If + means -, - means ×, × means ÷ and ÷ means +, then what will come in place of the question mark (?) in the following equation?

$131 - 7 \div 32 + 362 \times 2 = ?$

A. 766

B. 765

C. 767

D. 768

**Q80 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

11 2 6 24 120 ?

A. 720



B. 520

C. 160

D. 300

General Awareness

20 Questions • Answer Key

Q81 General Awareness

Which Indian cricketer was among the recipients of the Padma Shri in 2025?

A. Rohit Sharma

B. KL Rahul

C. Virat Kohli

D. Ravichandran Ashwin

**Q82 General Awareness**

Which city in India hosted the inaugural ASEAN-India Cruise Dialogue on 1 July 2025?

A. Pondicherry

B. Chennai



C. Visakhapatnam

D. Mumbai



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Q83 General Awareness

Who won the Men's Singles title at the 2025 Australian Open?

- A. Carlos Alcaraz
- B. Novak Djokovic
- C. Daniil Medvedev
- D. Jannik Sinner

**Q84 General Awareness**

Which Indian gymnast made history at the FIG Apparatus World Cup 2025 by winning a bronze medal?

- A. Aruna Reddy
- B. Dipa Karmakar
- C. Pranati Nayak
- D. Meghna Reddy

**Q85 General Awareness**

Which country hosted the G20 Foreign Ministers' Meeting in March 2025?

- A. India
- B. South Africa
- C. Germany
- D. Italy

**Q86 General Awareness**

In July 2025, who inaugurated the 'Mahila Aarogyam Kaksh' to promote women's health at Shastri Bhawan?

- A. Arjun Ram Meghwal
- B. Smriti Irani
- C. Rajeev Chandrasekhar
- D. Nirmala Sitharaman

**Q87 General Awareness**

As per the Govt. of India's report in July 2025, which of the following states processed the highest quantity of e-waste during 2024-25?

- A. Madhya Pradesh
- B. Uttar Pradesh
- C. Gujarat
- D. Kerala

**Q88 General Awareness**

How many years had Narendra Modi completed as Prime Minister of India by May 2025?

- A. Eleven
- B. Ten
- C. Eight
- D. Fifteen

**Q89 General Awareness**

Which Indian state released a draft child protection policy on 1 April 2025 inviting public feedback on implementation across institutions?

- A. Maharashtra
- B. Gujarat
- C. Rajasthan
- D. Kerala

**Q90 General Awareness**

Which country was elected the President of the African-Asian Rural Development Organization (AARDO) for 2025-27?

- A. India
- B. Ghana
- C. Malaysia
- D. Singapore

**Q91 General Awareness**

The IRIS chip developed by Indian Institute of Technology (IIT) Madras and ISRO is based on which indigenous microprocessor architecture?

- A. ARM Cortex
- B. Intel x86
- C. SHAKTI
- D. MIPS

**Q92 General Awareness**

In May 2025, the United Nations Development Programme (UNDP) released the Human Development Index (HDI), 2024, report. What was India's rank in the HDI list?

- A. 130th
- B. 134th
- C. 143rd
- D. 132nd



Q93 General Awareness

The 2025 World Judo Championships, held in June 2025, took place at which location?

- A. Doha, Qatar
- B. Tokyo, Japan
- C. Budapest, Hungary ✓
- D. Baku, Azerbaijan

Q94 General Awareness

The Indian Prime Minister launched a scheme with a budgetary allocation of ₹11,440 crore for the period 2025–26 to 2030–31 on 11 October 2025, named ____.

- A. Mission for Cotton Productivity
- B. PM Krishi Sinchai Yojana
- C. PM Fasal Bima Yojana
- D. Mission for Aatmanirbharta in Pulses ✓

Q95 General Awareness

What was India's position in the 2025 Climate Change Performance Index (CCPI)?

- A. 13th
- B. 11th
- C. 10th ✓
- D. 7th

Q96 General Awareness

Which of the following institutions launched WhatsApp Channel for verified financial updates in April 2025?

- A. Punjab National Bank
- B. State Bank of India
- C. Reserve Bank of India ✓
- D. Indian Bank

Q97 General Awareness

The Indian who won the United Nations Sasakawa Award 2025 for Disaster Risk Reduction is popularly known as?

- A. Rain Man of India
- B. Climate Champion
- C. Cyclone Man of India ✓
- D. Storm Tracker

Q98 General Awareness

Which of the following insurance companies launched the 'SheTARA' health campaign on International Women's Day, 2025?

- A. ICICI Lombard General Insurance
- B. HDFC ERGO General Insurance
- C. United India Insurance Company
- D. Star Health and Allied Insurance ✓

Q99 General Awareness

Which technology was used in 2025 to create the latest lab-grown human lung microtissues?

- A. Quantum protein folding simulation
- B. AI-driven organoid modeling
- C. 3D bioprinting with stem cells ✓
- D. CRISPR editing

Q100 General Awareness

Which agency launched Bharatpol in January 2025, to streamline real-time Interpol communication for Indian agencies?

- A. Reserve Bank of India
- B. Central Bureau of Investigation ✓
- C. NITI Ayog
- D. Central Vigilance Commission



General Science

25 Questions • Answer Key

Q1 General Science

If the direction of current in a conductor is reversed, the direction of force on it will:

- A. become zero
- B. reverse ✓
- C. remain the same
- D. double

Q2 General Science

If the speed of a wave is 300 m/s and its wavelength is 0.75 m, the frequency of the wave is _____.

- A. 300 Hz
- B. 75 Hz
- C. 225 Hz
- D. 400 Hz ✓

Q3 General Science

An electric bulb is rated 110 Watt – 220 Volt. The current drawn by the bulb is:

- A. 20 A
- B. 2 A
- C. 0.5 A ✓
- D. 24,200 A

Q4 General Science

Which statement correctly represents the location of the meristematic tissue in a plant body?

- A. At the tips of the leaves
- B. All over the plant body
- C. At some specific regions
- D. At the base of the stem ✓

Q5 General Science

The nature of the bond formed in aliphatic carbon compounds is:

- A. hydrogen
- B. covalent ✓
- C. ionic
- D. coordinate

Q6 General Science

Which of the following reproductive method will generate greater diversity in population?

- A. Binary fission
- B. Budding
- C. Sexual reproduction ✓
- D. Fragmentation

Q7 General Science

Which of the following expressions is representing the correct lens formula?

- A. $1/v - 1/u = 1/f$ ✓
- B. $1/v + 1/u = 1/f$
- C. $1/v + 1/u = f$
- D. $1/v - 1/u = f$

Q8 General Science

Which of the following observations could NOT be explained by Rutherford's model of the atom?

- A. The distribution of electrons around the nucleus
- B. The stability of the atom despite the presence of accelerating electrons ✓
- C. The presence of a positively charged nucleus in the atom
- D. The deflection of alpha particles at large angles

Q9 General Science

A 1000 kg car moving at 10 m/s is brought to rest by a constant braking force in 5 s. What is the magnitude of the force?

- A. 3000N
- B. 2500 N
- C. 1500 N
- D. 2000 N ✓



Q10 General Science

The gas released on the reaction of metal carbonate with hydrochloric acid turns lime water milky. The released gas is:

- A. Carbon dioxide** ✓
- B. Hydrogen
- C. Chlorine
- D. Carbon monoxide

Q11 General Science

A man lifts a stone of mass 22 kg through a vertical height of 4 m. Calculate the work done. (Take $g = 10 \text{ m/s}^2$)

- A. 55 J
- B. 220 J
- C. 400 J
- D. 880 J** ✓

Q12 General Science

Why is the plasma membrane called selectively permeable?

- A. It allows only certain substances to pass in or out.** ✓
- B. It dissolves unwanted materials.
- C. It blocks all substances from entering.
- D. It allows all substances to pass freely.

Q13 General Science

Read the given Assertion (A) and Reason (R) carefully and select the correct option.

(A): Mendel chose pea plants for his experiments because they were easy to grow and showed distinct contrasting traits.

(R): Pea plants reproduce asexually, allowing Mendel to control crosses easily.

- A. A is true, but R is false** ✓
- B. Both A and R are true, and R is the correct explanation of A
- C. A is false, but R is true
- D. Both A and R are true, but R is not the correct explanation of A

Q14 General Science

What is the IUPAC name for an organic compound with two carbon atoms and a hydroxyl ($-\text{OH}$) functional group?

- A. Methanal
- B. Ethanoic acid
- C. Propanone
- D. Ethanol** ✓

Q15 General Science

When an empty plastic bottle with an airtight stopper is pushed deeper into a bucket of water, the increasing upward force that resists the downward push is known as _____.

- A. surface tension
- B. buoyant force (or upthrust)** ✓
- C. gravitational force
- D. atmospheric pressure

Q16 General Science

Suspensions are different from solutions because:

- A. They are transparent
- B. They can be seen by naked eyes** ✓
- C. Their particles do not settle on standing
- D. Their solute is fully dissolved

Q17 General Science

A concave mirror forms an image at a distance of 20 cm when an object is placed 10 cm in front of it. What is the focal length of this mirror?

- A. 40 cm
- B. 20 cm** ✓
- C. 10 cm
- D. 30 cm

Q18 General Science

Which of the following is NOT a method of irrigation?

- A. Wells
- B. Check dams** ✓
- C. River lift systems
- D. Canals



Q19 General Science

Providing water to crops at optimal times during their growth cycle directly contributes to what outcome?

A. Higher expected yields



B. Delayed maturation

C. Increased vulnerability to pests

D. Decreased nutrient uptake

Q20 General Science

Why do we experience muscle cramps after heavy exercise?

A. Because blood flow completely stops during exercise

B. Due to a decrease in body temperature

C. Because muscles stop contracting

D. Due to accumulation of lactic acid

**Q21 General Science**

Which of the following statements are correct about molecular mass?

Statement 1: The molecular mass of a substance is the sum of the atomic masses of all the atoms in a molecule of the substance.

Statement 2: It is also known as the relative mass of a molecule.

Statement 3: It is expressed in atomic mass units (u).

A. Statements 1, 2 and 3 are correct.



B. Only Statements 1 and 3 are correct.

C. Only statements 1 and 2 are correct.

D. Only statements 2 and 3 are correct.

Q22 General Science

When dilute hydrochloric acid reacts with sodium hydrogencarbonate, which of the following observations is correct?

A. Formation of a salt and water only

B. Formation of brown fumes of nitrogen dioxide

C. Formation of hydrogen gas with a pop sound

D. Rapid evolution of a colourless gas that turns lime water milky

**Q23 General Science**

Which of the following methods is an example of asexual reproduction in plants?

A. Fertilisation

B. Germination

C. Pollination

D. Vegetative propagation

**Q24 General Science**

If an object moves from point A to point B (50 m east) and returns to point A in 10 seconds, its average velocity is:

A. 5 m/s

B. 10 m/s

C. 0 m/s



D. -10 m/s

Q25 General Science

Detergents can work in which of the following?

A. Only soft water

B. Only distilled water

C. Both hard and soft water



D. Only hot water

Mathematics

25 Questions • Answer Key

Q26 Mathematics

The perimeter of a rectangle is 54 cm. Its length is 3 cm more than twice the breadth. Find the breadth.

A. 10 cm

B. 9 cm

C. 8 cm



D. 6 cm

Q27 Mathematics

Bharat buys a gold ring for his mother. The ring is marked at ₹96,000 and is offered with two successive discounts of 25% and Q%, respectively. After receiving both discounts, he pays ₹18,000. Find the value of Q.

A. 77

B. 76

C. 75



D. 74



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Q28 Mathematics

By selling 20 pens for the cost price of 25 pens, what is the profit percentage?

- A. 20%
- B. 35%
- C. 25%
- D. 28%

**Q29 Mathematics**

The arithmetic mean of the observations 53, 63, 79, 40, 34, 88, 34, 25 and 25 is:

- A. 44
- B. 50
- C. 42
- D. 49

**Q30 Mathematics**

The sides of a triangle are 85 cm, 13 cm, and 84 cm. What is the length of its altitude corresponding to the side with a length of 13 cm?

- A. 101 cm
- B. 55 cm
- C. 84 cm
- D. 126 cm

**Q31 Mathematics**

After selling an article at a discount of 44%, the profit percentage obtained is 12%. What is the markup percentage?

- A. 97%
- B. 100%
- C. 101%
- D. 102%

**Q32 Mathematics**

A garrison of 1200 men has provisions for 12 days. How long (in days) will the provisions last if the garrison be increased by 600 men?

- A. 8
- B. 28
- C. 3
- D. 18

**Q33 Mathematics**

A train overtakes two persons walking along a railway track. The first person walks at 10.8 km/hr, and the second person walks at 21.6 km/hr. The train takes 15 seconds and 20 seconds, respectively, to completely pass them. What is the speed of the train if both persons are walking in the same direction as the train?

- A. 50 km/hr
- B. 64 km/hr
- C. 54 km/hr
- D. 45 km/hr

**Q34 Mathematics**

One pipe can fill a tank in 9 minutes while another pipe can empty the completely filled tank in 36 minutes. If both the pipes are opened together when the tank is empty, how many minutes will it take to fill one-half of the tank?

- A. 6
- B. 13
- C. 7
- D. 12

**Q35 Mathematics**

The present age of Mohan is three times the age of his son Rakesh. Four years ago from now, Mohan's age was four times his son's age at that time. What will be Rakesh's age (in years) after 7 years from now?

- A. 19
- B. 12
- C. 36
- D. 20

**Q36 Mathematics**

If 20% of a number is added to 96, then the result is the same number. 70% of the same number is:

- A. 104
- B. 94
- C. 114
- D. 84



Q37 Mathematics

If a 2622 m long train crosses a pole in 57 seconds, then find the time (in seconds) taken by the train to cross a 736 m long platform.

A. 74

B. 83

C. 73



D. 63

Q38 Mathematics

If $a - b = 6$ and $ab = 135$, then find a possible value of $(a + b)$.

A. 24



B. 27

C. 23

D. 26

Q39 Mathematics

Divide ₹8,118 between Ravina and Sarita in the ratio 3 : 15, then find the share of Sarita.

A. ₹6,763

B. ₹6,767

C. ₹6,765



D. ₹6,768

Q40 Mathematics

Akshat and Neha together invested ₹57,000 in a business. At the end of the year, out of a total profit of ₹8,000, Akshat's share was ₹2,200. How much was Akshat's investment?

A. ₹16,645

B. ₹15,355

C. ₹15,675



D. ₹17,445

Q41 Mathematics

A typist takes 40 minutes to type 2 pages. How long (in minutes) will he take to type 87 pages?

A. 1740



B. 1745

C. 1730

D. 1750

Q42 Mathematics

Two banks, A and B, offered loans at 3.5% and 7.5% per annum, respectively. Chetan borrowed an amount of ₹2,00,000 from each bank. Find the positive difference (in ₹) between the amounts of simple interest paid to the two banks by Chetan after 3 years.

A. 25,500

B. 23,500

C. 25,000

D. 24,000

**Q43 Mathematics**

A can complete a piece of work in 90 days. B is 75% less efficient than A. C is 80% more efficient than B. If B and C work together for 30 days, A alone will complete the remaining work in:

A. 68 days

B. 71 days

C. 73 days

D. 69 days

**Q44 Mathematics**

A solid metallic sphere of radius 9 cm is melted and recast into smaller spherical balls, each of radius 3 cm. Find the number of such small balls formed.

A. 24

B. 21

C. 32

D. 27

**Q45 Mathematics**

The cost of a washing machine is 16% less than the cost of a TV. If the cost of the washing machine increases by 80% and that of the TV decreases by 44%, then what is the percentage change in the total cost of 5 washing machines and 2 TVs?

A. Decrease by 37%

B. Increase by 43%

C. Decrease by 38%

D. Increase by 40%



Q46 Mathematics

Find the median of the given data, if the cumulative frequency is 45.

Class Interval	1-11	11-21	21-31	31-41
Frequency	10	11	X	11

A. $22\frac{3}{13}$

B. $22\frac{1}{13}$

C. $22\frac{2}{13}$



D. $22\frac{4}{13}$

Q47 Mathematics

If $2^x = 8$ and $3^y = 27$, find the value of $(2^{x+1} \times 3^{y-2})$.

A. 144

B. 48



C. 121

D. 81

Q48 Mathematics

The volume of a right circular cylinder is $13,860 \text{ cm}^3$ and circumference of its base is 66 cm. The height of this cylinder is: (Use $\pi = \frac{22}{7}$)

A. 39 cm

B. 40 cm



C. 53 cm

D. 45 cm

Q49 Mathematics

$\frac{1}{20}$ is what percentage of $\frac{2}{90}$?

A. 235%

B. 240%

C. 450%

D. 225%



Q50 Mathematics

A 20-metre-tall building has an observer at the top looking at a point on the ground. If the line of sight to that point makes a downward-facing angle of 45° , what is the horizontal distance from the building's base to that point?

- A. 10 m
- B. 40 m
- C. $20\sqrt{2}$ m
- D. 20 m

**General Intelligence & Reasoning**

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

If 'E' stands for '+', 'F' stands for '-', 'G' stands for 'x' and 'H' stands for '÷', what will come in place of the question mark (?) in the following equation?

$$72 \text{ H } 8 \text{ G } 2 \text{ E } 10 \text{ F } 5 = ?$$

- A. 23
- B. 27
- C. 25
- D. 21

**Q52 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series to make it logically complete?

$$11 \ 14 \ 19 \ 26 \ ?$$

- A. 31
- B. 30
- C. 32
- D. 35

**Q53 General Intelligence & Reasoning**

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

CUM150, MEW136, WOG122, GYQ108, ?

- A. QIA94
- B. QIB94
- C. QCA94
- D. OIA94

**Q54 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

$$4 \ 6 \ 12 \ 14 \ 28 \ ?$$

- A. 31
- B. 32
- C. 29
- D. 30

**Q55 General Intelligence & Reasoning**

Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) * + 9 \ / ? > @ 5 5 / ? / 9 * 1 ? # + 6 # (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a number?

- A. One
- B. None
- C. Two
- D. Three

**Q56 General Intelligence & Reasoning**

In a certain code language, 'bring hot food' is coded as 'cf tk rg' and 'food is good' is coded as 'ml do cf'. How is 'food' coded in that language?

- A. do
- B. ml
- C. cf
- D. tk



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Q57 General Intelligence & Reasoning

Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north.
No one sits to the right of C. Only three people sit between C and D. Only two people sit between D and G. A sits third to the left of F. B sits to the immediate right of F.
How many people sit to the right of B?

A. 3

B. 4

C. 1

D. 2

**Q58 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?
27 51 77 105 135 ?

A. 162

B. 163

C. 167



D. 170

Q59 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the letter-cluster that does NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their positions in the letter-cluster.)

A. XAD

B. ILO

C. JMP

D. CGI

**Q60 General Intelligence & Reasoning**

GKNE is related to KHRB in a certain way based on the English alphabetical order. In the same way, OEVY is related to SBZV. To which of the given options is WYDS related, following the same logic?

A. BUGQ

B. AVHP



C. ZWIQ

D. BVIO

Q61 General Intelligence & Reasoning

NHRX is related to RFVV in a certain way based on the English alphabetical order. In the same way, VDZT is related to ZBDR. To which of the following is DZHP related, following the same logic?

A. GYMO

B. HXLN



C. IYLO

D. GWKM

Q62 General Intelligence & Reasoning

Refer to the given number series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 6 2 5 4 7 3 9 1 6 7 4 2 1 8 6 4 9 8 3 9 2 7 1 5 1 7 2

(Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

A. Three



B. One

C. More than three

D. Two

Q63 General Intelligence & Reasoning

If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark (?) in the following equation?

50 C 30 B 4 A 12 D 27 = ?

A. 36

B. 33



C. 35

D. 34



Q64 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All kiwis are bananas.
All bananas are mangoes.

Conclusions:

(I): All kiwis are mangoes.
(II): Some mangoes are bananas.

- A. Only conclusion (II) follows
- B. Neither conclusion (I) nor (II) follows
- C. Only conclusion (I) follows
- D. Both conclusions (I) and (II) follow ✓

Q65 General Intelligence & Reasoning

A, B, C, D, W, X and Y are sitting around a circular table facing the centre of the table.
A sits third to the left of X. Only one person sits between X and C when counted from the left of C. Only two people sit between B and W when counted from the right of W. D is an immediate neighbour of B. Who sits third to the right of Y?

- A. C
- B. D
- C. A ✓
- D. W

Q66 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

GLO NSV UZC BGJ ?

- A. INQ ✓
- B. IQW
- C. INO
- D. IOP

Q67 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). (Counting to be done from left to right only.)

(Left) 1 2 8 4 6 9 5 8 8 7 9 2 6 6 5 8 6 3 1 1 4 4 6 (Right)

How many such even numbers are there, each of which is immediately preceded by an even number and also immediately followed by an even number?

- A. One
- B. Four ✓
- C. Three
- D. Two

Q68 General Intelligence & Reasoning

Sarita starts from Point A and drives 8 km towards the west. She then takes a left turn, drives 5 km, turns left and drives 5 km. She then takes a right turn and drives 6 km. She takes a final left turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should she drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified.)

- A. 16 km towards the west
- B. 5 km towards the east
- C. 8 km towards the south
- D. 11 km towards the north ✓

Q69 General Intelligence & Reasoning

A, B, C, D, E, F and G are sitting around a circular table, facing the centre. Only two people sit between F and B when counted from the right of F. Only two people sit between B and A when counted from the right of B. Only three people sit between F and E when counted from the right of F. D sits to the immediate left of C. How many people sit between F and G when counted from the left of F?

- A. 1 ✓
- B. 3
- C. 2
- D. 4



Q70 General Intelligence & Reasoning

YPMW is related to CLPT in a certain way based on the English alphabetical order. In the same way, GHSQ is related to KDVN. To which of the given options is OZYK related, following the same logic?

A. TVAG

B. UWCH

C. RWAI

D. SVBH **Q71 General Intelligence & Reasoning**

Mr. Akai starts from Point A and drives 2 km towards south. He then takes a right turn, drives 12 km, turns right and drives 21 km. He then takes a right turn and drives 23 km. He takes a final right turn, drives 19 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified)

A. 7 km to the west

B. 11 km to the north

C. 7 km to the east

D. 11 km to the west **Q72 General Intelligence & Reasoning**

In a certain code language,

'A + B' means 'A is the father of B'

'A - B' means 'A is the mother of B'

'A * B' means 'A is the sister of B'

'A ÷ B' means 'A is the wife of B'

Based on the above, how is X related to Q if 'X ÷ Y + Z * P - Q'?

A. Father's mother

B. Mother's mother 

C. Mother

D. Sister

Q73 General Intelligence & Reasoning

In a certain code language, 'STAR' is coded as '3451' and 'RATE' is coded as '4375'. What is the code for 'E' in the given code language?

A. 5

B. 7 

C. 4

D. 3

Q74 General Intelligence & Reasoning

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

All cats are mammals.

No mammals are pets.

Conclusions:

(I) Some pets are cats.

(II) No cat is pet.

A. Only conclusion (II) follows. 

B. Neither conclusion (I) nor (II) follows.

C. Only conclusion (I) follows.

D. Both conclusions (I) and (II) follow.

Q75 General Intelligence & Reasoning

Seven boxes, D, E, F, U, V, W and X, are kept one over the other but not necessarily in the same order. No box is kept above X. Only two boxes are kept between W and V. Only U is kept below E. Only three boxes are kept between E and W. D is not kept immediately above V. How many boxes are kept between F and U?

A. Two 

B. Four

C. Three

D. One

Q76 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 3 1 4 6 9 3 5 7 7 9 3 8 6 3 4 4 2 4 7 3 3 8 7 2 2 7 1
(Right)

How many such even numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

A. Zero

B. One 

C. Two

D. Three



Q77 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. MI-NL



B. KG-LI

C. OK-PM

D. IE-JG

Q78 General Intelligence & Reasoning

What will come in the place of '?' in the following equation, if '+' and '÷' are interchanged and '-' and 'x' are interchanged?

$$168 + 42 \times 14 - 9 \div 207 = ?$$

A. 85



B. 72

C. 77

D. 81

Q79 General Intelligence & Reasoning

Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. No box is kept above D. Only three boxes are kept between D and F. Only one box is kept between G and E. E is kept immediately above F. Only four boxes are kept between G and A. C is kept at some place above B.

How many boxes are kept above C?

A. 2



B. 4

C. 3

D. 5

Q80 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(17, 34, 2)

(13, 39, 3)

A. (12, 60, 5)



B. (15, 25, 2)

C. (14, 42, 4)

D. (11, 55, 3)

General Awareness

20 Questions • Answer Key

Q81 General Awareness

In April 2025, which of the following cities was hit by a sandstorm causing major flight disruptions?

A. Beijing, China

B. New Delhi, India

C. Basra, Iraq



D. Dubai, UAE

Q83 General Awareness

Which of the following folk artists became the first dhaki to win a Padma Shri in 2025?

A. Mary Kom

B. Gokul Chandra Das



C. Leander Paes

D. Anant Nag

Q82 General Awareness

In January 2025, who clinched the men's singles title at the India Open 2025 badminton tournament in New Delhi?

A. Chen Long

B. Kento Momota

C. Viktor Axelsen



D. Lee Cheuk Yiu

Q84 General Awareness

In May 2025, Sudan's army appointed whom among the following as a new Prime Minister after two years of civil war?

A. Abdalla Hamdok

B. Kamil al-Taib Idris



C. Dafallah al-Haj Ali

D. Osman Hussein



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Q85 General Awareness

In March 2025, the central bank of which country signed a Memorandum of Understanding (MoU) with the Reserve Bank of India (RBI) to enable cross-border transactions in local currencies?

- A. United Arab Emirates
- B. Mauritius** ✓
- C. Singapore
- D. Sri Lanka

Q86 General Awareness

Which of the following states launched Surakshit Shanivar (Safe Saturday), a disaster preparedness initiative for students in June 2025?

- A. Bihar** ✓
- B. Assam
- C. Uttar Pradesh
- D. Jharkhand

Q87 General Awareness

With which country did India sign a significant defence Memorandum of Understanding (MoU) (through the JCBL Group) in April 2025 which is aimed at bolstering India's domestic defence manufacturing capabilities?

- A. Slovakia** ✓
- B. Qatar
- C. Egypt
- D. Japan

Q88 General Awareness

Who among the following was awarded the Women's Player of the Year at the AIFF Awards 2025?

- A. Soumya Guguloth** ✓
- B. Sujata Kar
- C. Toijam Thoibisana Chanu
- D. Panthoi Chanu

Q89 General Awareness

Where was the 2nd Global Cervical Cancer Elimination Forum held?

- A. Jakarta, Indonesia
- B. Bali, Indonesia** ✓
- C. Cartagena, Colombia
- D. Kigali, Rwanda

Q90 General Awareness

As of 2023, how many wildlife sanctuaries are there in India?

- A. 655
- B. 585
- C. 623
- D. 573** ✓

Q91 General Awareness

In May 2025, which among the following institutions formally announced the creation of the Payments Regulatory Board (PRB), a six-member panel responsible for overseeing the country's payment systems?

- A. National Bank for Agriculture and Rural Development
- B. Small Industries Development Bank of India
- C. Securities and Exchange Board of India
- D. Reserve Bank of India** ✓

Q92 General Awareness

Where was the 58th edition of the World Table Tennis Championships held in May 2025?

- A. Berlin, Germany
- B. Doha, Qatar** ✓
- C. Tokyo, Japan
- D. Paris, France

Q93 General Awareness

In 2025, Shubhanshu Shukla conducted an International Space Station (ISS) experiment with moong and methi seeds to study:

- A. Resistance of legumes to common pesticides
- B. Soil nutrient cycling under space conditions
- C. Seed germination under microgravity conditions** ✓
- D. High-yield oilseed production on Earth

Q94 General Awareness

In February 2025, the Technology Development Board signed an agreement with which company to produce purified pyrolysis oil to make circular plastics and sustainable chemicals?

- A. APChemi Pvt. Ltd, Navi Mumbai** ✓
- B. Jaypee Chemicals, Jaipur
- C. Tata Chemicals Ltd, Mumbai
- D. Adani Chemicals Ltd, Ahmedabad



Q95 General Awareness

Where was the 7th Khelo India Youth Games held in May 2025?

- A. New Delhi
- B. Maharashtra
- C. Bihar
- D. Uttar Pradesh



Q96 General Awareness

Who is the author of the book 'Wild Fictions: Essays' published in January 2025?

- A. Santanu Bhattacharya
- B. Amitav Ghosh
- C. Aria Aber
- D. Nandini Purandare



Q97 General Awareness

Where was the headquarters of the National Turmeric Board inaugurated by Union Home Minister Amit Shah in June 2025?

- A. Kanpur, Uttar Pradesh
- B. Bhopal, Madhya Pradesh
- C. Mysuru, Karnataka
- D. Nizamabad, Telangana



Q98 General Awareness

The 28th National Conference on e-Governance (NCeG) was held in _____ during June 2025.

- A. Kolkata
- B. Bengaluru
- C. Chennai
- D. Visakhapatnam



Q99 General Awareness

What is the main aim of the Youth Spiritual Summit held in Varanasi on the banks of River Ganga in July 2025?

- A. Promote awareness about river conservation
- B. Encourage use of digital tools for literacy
- C. Support local youth in rural entrepreneurship
- D. Foster a national resolve against drug abuse



Q100 General Awareness

With which country did India sign a major defence agreement worth ₹63,000 crore on 28 April 2025, for the acquisition of 26 Rafale-Marine fighter jets?

- A. Denmark
- B. France
- C. Brazil
- D. Russia



General Science

25 Questions • Answer Key

Q1 General Science

In which part of the female reproductive system is the egg fertilised by sperm?

- A. Ovary
- B. Uterus
- C. Fallopian tube
- D. Vagina



Q2 General Science

What happens in a longitudinal wave?

- A. Particles oscillate up and down about their mean position
- B. Particles stay completely still as the wave passes
- C. Particles oscillate back and forth about their position of rest
- D. Particles move in circles around their rest position



Q3 General Science

During the Chlor-Alkali process, which of the following products is NOT obtained directly from the electrolysis of brine?

- A. Sodium hydroxide solution
- B. Sodium metal deposited at the cathode
- C. Hydrogen gas at the cathode
- D. Chlorine gas at the anode



Q4 General Science

When touching a hot object with the hand, human beings are able to remove their hand immediately because:

- A. human beings are more intelligent than others
- B. every living organism can do so
- C. human beings are sensitive to the stimulus of touch
- D. human beings are the supreme creatures of the living world



Q5 General Science

A gun fires a bullet horizontally. Which of the following statements is correct?

- A. Recoil depends on gravity.
- B. The bullet exerts no force on the gun.
- C. The gun experiences a smaller backward force than the bullet's forward force.
- D. The gun experiences a backward force equal to the forward force on the bullet.



Q6 General Science

Two objects are being accelerated — one has a mass of 3 kg and is accelerated at 4 m/s^2 , and the other has a mass of 5 kg and is accelerated at 2 m/s^2 . Which one needs a greater force to move?

- A. The 3 kg object
- B. The 5 kg object
- C. Both require the same force
- D. It cannot be determined without knowing the distance



Q7 General Science

What type of bonding exists in most organic compounds?

- A. Covalent
- B. Metallic
- C. Coordinate
- D. Ionic



Q8 General Science

Why does growth in plants occur only at specific regions?

- A. Because meristematic tissues are located only in specific regions
- B. Because permanent tissues keep dividing throughout the plant
- C. Because all plant tissues can divide only once
- D. Because all plant cells stop growing after maturity



Q9 General Science

Now a days, which of the following petroleum products is used in place of coal-tar for metalling the roads?

- A. Coke
- B. Paraffin wax
- C. Naphthalene
- D. Bitumen

**Q10 General Science**

The method of extraction of a metal depends on its:

- A. Position in the reactivity series
- B. Atomic number
- C. Colour
- D. Mass number

**Q11 General Science**

White light is incident obliquely on a glass prism, which of the following statement(s) is/are true?

- (i) Red colour undergoes maximum deviation.
- (ii) The speed of violet colour is the least while travelling through the prism.
- (iii) The refractive index of violet is minimum.
- (iv) The refractive index of red is minimum.

- A. Both (ii) and (iv)
- B. Both (i) and (iii)
- C. Both (i) and (iv)
- D. Both (ii) and (iii)

**Q12 General Science**

Which of the following statements is correct about plant's response to environmental stimulus?

- A. Some plants can respond to the stimulus of touch.
- B. Plants have very weak muscles to respond environmental stimulus.
- C. Plants have special connective tissues to receive environmental stimulus.
- D. Plants have very fine nerves to receive environmental stimulus.

**Q13 General Science**

Which of the following is a common use of baking soda?

- A. Preventing bacterial decomposition
- B. Increasing acidity in soil beds
- C. Reacting with alcohol to make soap
- D. Neutralising excess stomach acid

**Q14 General Science**

Which of the following is an enzyme that is secreted in the stomach during the process of digestion?

- A. Trypsin
- B. Mucus
- C. Pepsin
- D. Amylase

**Q15 General Science**

A block exerts a thrust of 500 N on a surface of area 0.25 m². The pressure exerted by the block is _____.

- A. 125 N/m²
- B. 2000 N/m²
- C. 250 N/m²
- D. 500 N/m²

**Q16 General Science**

Which of the following statements is correct?

- A. Electrons have much smaller mass than protons and neutrons.
- B. The size of the nucleus is large as compared to the size of the atom.
- C. The electrons revolve around the nucleus in triangular paths.
- D. The electrons do not revolve around the nucleus in circular paths.

**Q17 General Science**

If you apply pressure to a gas, what happens to the intermolecular spaces and forces?

- A. Intermolecular spaces and forces both increase.
- B. Intermolecular spaces increase, intermolecular forces decrease.
- C. Intermolecular spaces decrease, intermolecular forces increase.
- D. Both intermolecular spaces and forces remain unchanged.

**Q18 General Science**

A car with a mass of 150 kg is moving at a speed of 36 km/hr. What is the amount of work required to increase its speed to 72 km/hr?

- A. 37,500 J
- B. 30,000 J
- C. 22,500 J
- D. 7500 J



Q19 General Science

A student cannot clearly see objects placed at a distance but can read a book comfortably. The defect in the eye is:

A. myopia



B. astigmatism

C. hypermetropia

D. presbyopia

Q20 General Science

Which of the following can be considered a reason for Mendel's success in formulating laws of inheritance?

A. He was a well-trained scientist.



B. He had supernatural power.

C. He had knowledge of mathematics.

D. He was a monk.

Q21 General Science

In the process of sexual reproduction in flowering plants, what is the primary role of the pistil?

A. Attracts pollinators with colorful petals

B. Produces pollen grains

C. Supports the flower with nutrients

D. Receives pollen and houses the ovules for fertilisation

**Q22 General Science**

Which statement is INCORRECT about a household electric circuit?

A. All appliances are connected in parallel.

B. Current through each appliance is the same.



C. A fuse protects the circuit from excessive current.

D. A fuse is always connected in the live wire.

Q23 General Science

Which non-metal exhibits a lustrous shine like metals?

A. Flourine

B. Iodine



C. Sulphur

D. Chlorine

Q24 General Science

Which rule helps determine the direction of the magnetic field inside a current-carrying loop?

A. Right-hand thumb rule



B. Left-hand thumb rule

C. Fleming's right-hand rule

D. Fleming's left-hand rule

Q25 General Science

Bohr's model is only applicable to:

A. lithium

B. hydrogen



C. helium

D. beryllium

Mathematics

25 Questions • Answer Key

Q26 Mathematics

The average of the first 7 odd natural numbers is:

A. 7



B. 8

C. 3.5

D. 6

Q27 Mathematics

If third proportional of 9 and 60 be x, then what is the value of x?

A. 398

B. 400



C. 402

D. 401



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Q28 Mathematics

In an election, four candidates received 1242, 832, 1426 and 1100 votes, respectively. The difference between the winning candidate's votes percentage and runner up candidate vote percentage is:

A. 3%

B. 5%

C. 4%



D. 6%

Q29 Mathematics

After selling an article at a discount of 37%, the profit percentage obtained is 50%. What is the mark-up percentage (rounded off to two decimal places)?

A. 140.46%

B. 138.10%



C. 136.35%

D. 140.41%

Q30 Mathematics

The marks of P are 10 more than the marks of Q. The marks of Q are 10 more than half of the marks of P. The marks of Q are ____.

A. 36

B. 30



C. 40

D. 20

Q31 Mathematics

The ratio of the present ages of Shreya and her mother is 3 : 5 and the ratio of present ages of her mother and her grandmother is 10 : 13. If the average age of Shreya, her mother and her grandmother is 58 years, then find the present age of her mother.

A. 60 years



B. 36 years

C. 78 years

D. 84 years

Q32 Mathematics

A shop that sells towels has offers going on, wherein customers can buy 2 towels and get 3 free. What is the percentage discount that the customer gets?

A. 55%

B. 70%

C. 60%



D. 65%

Q33 Mathematics

Two numbers are in the ratio 5 : 7. Find the sum of the numbers, if their HCF is 23.

A. 258

B. 276



C. 236

D. 284

Q34 Mathematics

A child inflates a balloon, increasing its size by 50%. Later, while tying it, the balloon's size decreases by 20%. What is the overall percentage change in the size of the balloon?

A. 10% (decrement)

B. 20% (decrement)

C. 10% (increment)

D. 20% (increment)

**Q35 Mathematics**

The amount on a sum of ₹2,500 at 10% per annum compound interest, compounded annually, in 2 years will be:

A. ₹3,714

B. ₹3,623

C. ₹3,025



D. ₹2,895

Q36 Mathematics

Two trains are moving in opposite directions at speeds of 50 km/hr and 90 km/hr. The length of one train is 430 m. The time taken by them to cross each other is 31 seconds. The length (in m) of the other train, rounded off to 2 decimal places, is:

A. 781.49

B. 786.76

C. 775.56



D. 765.66



Q37 Mathematics

In 330 litres solution of acid and water, the ratio of acid and water is 1:2. How many litres of acid must be added to it to get the solution in which the ratio of acid and water is 8:5?

A. 240

B. 242



C. 243

D. 241

Q38 Mathematics

The average age of 44 students of a class is 34 years. If the age of the teacher is also included, the average age of the whole group becomes 35 years. The age (in years) of the teacher is:

A. 77

B. 76

C. 79



D. 78

Q39 Mathematics

A trader sells a watch at a loss of 28%. If he had sold it for ₹280 more, he would have made neither a profit nor a loss. What is the cost price of the watch?

A. ₹1,400

B. ₹1,000



C. ₹1,200

D. ₹800

Q43 Mathematics

If $x^{2m} \times y^5 \times \frac{x^2}{y^{m-1}} = (y^2x^3)^2$, find the value of m.

A. 2



B. 4

C. 3

D. 1

Q40 Mathematics

One pipe can fill a tank in 10 minutes while another pipe can empty the completely filled tank in 20 minutes. If both the pipes are opened together when the tank is empty, how many minutes will it take to fill one-half of the tank?

A. 10



B. 20

C. 21

D. 11

Q41 Mathematics

A man standing on the line joining the feet of two towers of heights 10 m, 15 m observes the top of the towers with the angles of elevation 45° and 60° , respectively. What is the distance (in metres) between the feet of two towers (take $\sqrt{3} = 1.73$)?

A. 20.25

B. 18.65



C. 15.75

D. 16.54

Q42 Mathematics

A person saves 60% of his income. If his expenditure is ₹520, then his income (in ₹) is:

A. 1340

B. 1312

C. 1300



D. 1208



Q44 Mathematics

If the radius of a sphere is decreased by 25% and becomes 6 cm, find the decrease in its volume.

A. $450\frac{1}{4}\pi \text{ cm}^3$

B. $574\frac{3}{4}\pi \text{ cm}^3$

C. $394\frac{2}{3}\pi \text{ cm}^3$ ✓

D. $662\frac{1}{3}\pi \text{ cm}^3$

Q45 Mathematics

Pipe P can fill $\frac{4}{5}$ part of a tank in 28 hours and pipe Q can fill $\frac{2}{3}$ part of the same tank in 42 hours. Both P and Q were kept open for 7 hours, then both were closed. Pipe R alone was then opened and it emptied the water in the tank in 14 hours. Pipes P, Q and R together can fill the empty tank in:

A. 53 hours

B. 45 hours ✓

C. 64 hours

D. 26 hours

Q46 Mathematics

$$4\frac{37}{49}5\frac{2}{49}5\frac{37}{49}4\frac{1}{7}$$

A. $5\frac{2}{49}$

B. $4\frac{1}{7}$

C. $5\frac{37}{49}$ ✓

D. $4\frac{37}{49}$

Q47 Mathematics

If $\frac{4x}{0.75^2 - 0.25^2} = 0.5$, find the value of x.

A. 0.03125

B. 0.0975

C. 0.125

D. 0.0625 ✓



Q48 Mathematics

The diameter of a hemispherical bowl is 11.2 cm. How many litres of liquid can it hold?

(Use $\pi = \frac{22}{7}$ and round off your answer to three decimal places)

A. 3.168 litres

B. 0.368 litres



C. 2.380 litres

D. 0.525 litres

Q49 Mathematics

Two trains, 133 m and 227 m long, are moving in the same direction at speeds of 93 km/hr and 51 km/hr, respectively. How much time will the faster train take to completely cross the slower one?

A. $30\frac{6}{7}$ seconds



B. $25\frac{5}{7}$ seconds

C. 18 seconds

D. 9 seconds

Q50 Mathematics

In a triangle with sides 12 units, 5 units and 13 units, the perpendiculars are drawn from all vertices. The length of the smallest perpendicular (in units) is:

A. $\frac{60}{13}$



B. $\frac{40}{13}$

C. $\frac{50}{13}$

D. $\frac{73}{13}$

General Intelligence & Reasoning

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

Rajesh ranked 38th from the top and 27th from the bottom in his class. How many students are there in his class?

A. 63

B. 62

C. 65

D. 64

**Q52 General Intelligence & Reasoning**

Each of the digits in the number 7123458 is arranged in ascending order from left to right. What will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

A. 9



B. 6

C. 11

D. 8



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Q53 General Intelligence & Reasoning

MU 4 is related to PO -10 in a certain way. In the same way, DL 8 is related to GF -6. To which of the given options is HP 12 related, following the same logic?

A. UH -4

B. RT -1

C. KJ -2



D. NJ 5

Q54 General Intelligence & Reasoning

In a certain code language, 'some good questions' is coded as 'jm ik cd' and 'many good problems' is coded as 'cd rc gh'. How is 'good' coded in the given language?

A. jm

B. rc

C. ik

D. cd

**Q55 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

191 177 163 149 135 ?

A. 130

B. 117

C. 133

D. 121

**Q56 General Intelligence & Reasoning**

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:

All apples are fruits.
Some fruits are sweet.

Conclusions:

(I) Some apples are sweet.
(II) All sweet are apples.

A. Both conclusions (I) and (II) follow.

B. Neither conclusion (I) nor (II) follows.



C. Only conclusion (I) follows.

D. Only conclusion (II) follows.

Q57 General Intelligence & Reasoning

O, P, Q, R, W, X, and Y are sitting in a straight line facing the north. No one sits to the left of P. Only four people sit between P and Q. Only three people sit to the right of Y. X sits to the immediate left of R. W is not an immediate neighbour of Y.

Who sits third to the left of W?

A. Y



B. Q

C. O

D. R

Q58 General Intelligence & Reasoning

Refer to the following series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 1 8 4 2 8 3 5 1 4 1 5 1 1 9 8 3 5 5 9 4 6 9 6 1 1 9 5
(Right)

How many such odd numbers are there each of which is immediately preceded by an even number and also immediately followed by an even number?

A. 2

B. 3

C. 1



D. 0

Q59 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(15, 28, 64)

(63, 76, 112)

A. (159, 172, 207)

B. (74, 87, 123)



C. (82, 95, 132)

D. (44, 57, 83)



Q60 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. QV-SO

B. SX-UR



C. MR-OK

D. OT-QM

Q61 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

8, 64, 9, 81, 10, 100, 11, 121, ? , 144

A. 8

B. 9

C. 12



D. 11

Q62 General Intelligence & Reasoning

Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

NH-PJ-RT
LF-NH-PR

A. JD-LF-NP



B. ID-LE-NO

C. ID-LF-NO

D. JD-LF-NO

Q63 General Intelligence & Reasoning

Himangi starts from Point A and drives 2 km towards the east. She then takes a right turn, drives 7 km, turns left and drives 9 km. She then takes a left turn and drives 3 km. She takes a final left turn, drives 11 km and stops at Point P. How far (shortest distance) and towards which direction should she drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified.)

A. 4 km towards the north



B. 3 km towards the west

C. 4 km towards the south

D. 3 km towards the east

Q64 General Intelligence & Reasoning

In a certain code language,
A + B means 'A is the mother of B',
A - B means 'A is the father of B',
A * B means 'A is the husband of B', and
A ÷ B means 'A is the sister of B'.

Based on the above, how is P related to T if 'P - Q ÷ R * S + T'?

A. Father

B. Father's brother

C. Mother's Father

D. Father's Father

**Q65 General Intelligence & Reasoning**

Each of the digits in the number 8312467 is arranged in ascending order from left to right. What will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

A. 6

B. 7

C. 9



D. 8

Q66 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. HD-AF

B. MI-FK

C. PL-IM



D. JF-CH

Q67 General Intelligence & Reasoning

Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

IC-LF-NP
KE-NH-PR

A. MG-PJ-RT



B. NG-PJ-RU

C. NG-PI-RU

D. MG-PJ-RU



Q68 General Intelligence & Reasoning

Seven boxes A, B, C, D, I, J and K are kept one over the other but not necessarily in the same order. Only B is kept above I. Only C is kept between I and J. Only A is kept below K. How many boxes are kept between D and A?

A. Two

B. Three

C. One



D. Four

Q69 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All roads are trucks.

No truck is a sheep.

Conclusions:

(I) Some roads are sheep.

(II) All trucks are sheep.

A. Only conclusion (II) follows

B. Only conclusion (I) follows

C. Neither conclusion (I) nor (II) follows



D. Both conclusions (I) and (II) follow

Q70 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

EWR ASN WOJ SKF ?

A. OVB

B. OGY

C. OGB



D. OBC

Q71 General Intelligence & Reasoning

Seven people, A, B, C, D, E, F and G are sitting in a row, facing north.

Only three people sit to the right of C. Only four people sit between A and B, neither of whom sits on the left end. D sits immediately to the left of F. Only three people sit between G and B. How many people sit between F and G?

A. 1

B. 2



C. 4

D. 3

Q72 General Intelligence & Reasoning

Refer to the number and symbol series given below and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers only.)

(Left) 3 @ 2 ^ @ % \ 8 9 \ / ? 8 7 6 # & # + 7 \ (Right)

How many such symbols are there each of which is immediately preceded by a number and also immediately followed by a number?

A. Two

B. None

C. One



D. Three

Q73 General Intelligence & Reasoning

In a certain code language, 'speak the truth' is coded as 'pc rd st' and 'truth always wins' is coded as 'mo st kl'. How is 'truth' coded in the given language?

A. kl

B. st



C. pc

D. mo

Q74 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

3 13 24 36 49 ?

A. 53

B. 60

C. 63



D. 56

Q75 General Intelligence & Reasoning

A, B, C, R, S, T and U are sitting around a circular table, facing the centre of the table. R is the immediate neighbour of both C and T. T sits third to the left of U. B sits to the immediate left of U. S is not an immediate neighbour of T. Who sits second to the right of A?

A. U



B. C

C. S

D. B



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Q76 General Intelligence & Reasoning

Refer to the following series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 7 8 5 9 6 5 4 1 7 1 6 7 8 6 6 3 5 3 6 9 4 4 9 2 7 2 7
(Right)

How many such even numbers are there each of which is immediately preceded by an odd number and also immediately followed by an odd number?

A. 6

B. 8

C. 9

D. 7

**Q77 General Intelligence & Reasoning**

If 'A' stands for ' $\div$ ', 'B' stands for ' $\times$ ', 'C' stands for ' $+$ ' and 'D' stands for ' $-$ ', then what will come in place of the question mark (?) in the following equation?

64 A 8 C 4 B 11 D 3 = ?

A. 50

B. 48

C. 49



D. 47

Q78 General Intelligence & Reasoning

Town U is to the north of Town V. Town W is to the east of Town U. Town X is to the south of Town W. Town Y is to the west of Town X. Town V is to the south-west of Town Y. What is the position of Town U with respect to Town Y?

A. North-west



B. North-east

C. South-west

D. South-east

Q79 General Intelligence & Reasoning

Refer to the number series given below and answer the question that follows. Counting to be done from left to right only.

(NOTE: All numbers are single-digit numbers only.)

(Left) 2 1 6 9 1 9 6 4 2 4 4 6 7 6 4 1 8 7 9 2 4 4 7 6 8 7 2
(Right)

How many such even numbers are there each of which is immediately preceded by an odd number and also immediately followed by an odd number?

A. 2



B. 5

C. 4

D. 3

Q80 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

LNT 81, PKP 75, THL 69, XEH 63, ?

A. ACD 55

B. BBD 57



C. CAE 57

D. BAC 55

General Awareness

20 Questions • Answer Key

Q81 General Awareness

In which sport did Indian athletes secure a mixed relay medal at the 2025 Asian Indoor Games?

A. Shooting

B. Swimming

C. Mixed relay



D. Wrestling

Q82 General Awareness

Who announced the launch of India's first homegrown semiconductor chip in May 2025?

A. Nirmala Sitharaman

B. Rajeev Chandrasekhar

C. Piyush Goyal

D. Ashwini Vaishnaw



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Q83 General Awareness

As per the Economic Survey 2024–25, what corpus amount has been launched under the Self-Reliant India (SRI) Fund for MSMEs?

- A. ₹25,000 crore
- B. ₹50,000 crore ✓
- C. ₹75,000 crore
- D. ₹1 lakh crore

Q84 General Awareness

Who among the following was elected as the 80th president of United Nations General Assembly (UNGA) in June 2025?

- A. Annalena Baerbock ✓
- B. Volkan Bozkır
- C. Dennis Francis
- D. Philemon Yang

Q85 General Awareness

Which cabinet minister of India in June 2025 held bilateral talks with Dong Jun of China at the conclave of the Shanghai Cooperation Organization (SCO) in the Chinese port city of Qingdao, with a focus on maintaining peace and tranquillity along the Line of Actual Control (LAC)?

- A. Raj Nath Singh ✓
- B. Gajendra Singh Shekhawat
- C. Amit Shah
- D. Manohar Lal

Q86 General Awareness

What is a distinguishing feature of "Kruti", launched in 2025 by Ola's Krutrim?

- A. It is optimized only for English language interfaces.
- B. It is designed only for navigation services in rural areas.
- C. It works solely with proprietary hardware provided by Ola.
- D. It supports voice and text in multiple Indian languages. ✓

Q87 General Awareness

Which of the following cities in Gujarat houses the Veer Savarkar Sports Complex, inaugurated by Union Home Minister Amit Shah in September 2025?

- A. Vadodara
- B. Surat
- C. Rajkot
- D. Ahmedabad ✓

Q88 General Awareness

Which lake, known as India's longest and a Ramsar site in Kerala is currently facing severe ecological degradation?

- A. Vembanad Lake ✓
- B. Chilika Lake
- C. Loktak Lake
- D. Pulicat Lake

Q89 General Awareness

The new ₹20 note announced by the Reserve Bank of India in May 2025 is part of ____.

- A. Mahatma Gandhi (Old) Series
- B. Azadi Ka Amrit Mahotsav Series
- C. Mahatma Gandhi (New) Series ✓
- D. Gandhi Heritage Series

Q90 General Awareness

What is the sports budget allocation for India for the 2025-26 fiscal year?

- A. ₹2,594.30 crore
- B. ₹3,794.30 crore ✓
- C. ₹4,394.20 crore
- D. ₹1,794.30 crore

Q91 General Awareness

The ICC Under-19 Women's T20 World Cup 2025 was played in Malaysia in January 2025. Which team won the tournament?

- A. Australia
- B. South Africa
- C. India ✓
- D. England



Q92 General Awareness

As per the Union Budget 2025-26, what is the target for nuclear power capacity of India by 2047?

A. 100GW



B. 80GW

C. 50GW

D. 150GW

Q93 General Awareness

Which of the following ministries launched the State Health Regulatory Excellence Index (SHRESTH), a first-of-its-kind national initiative to benchmark and strengthen state drug regulatory systems through a transparent, data-driven framework in August 2025?

A. Ministry of Science and Technology

B. Ministry of Ayush

C. Ministry of Chemicals and Fertilizers

D. Ministry of Health and Family Welfare

**Q94 General Awareness**

The Indian Navy conducted the fifth edition of the Indo-Indonesian Joint Maritime Drill 'Samudra Shakti - 2025' between 14 and 17 October 2025 at _____.

A. Visakhapatnam



B. Kochi

C. Chennai

D. Mumbai

Q95 General Awareness

Which organ under MHA launched the e-Zero FIR system for cyber-fraud cases?

A. Central Bureau of Investigation

B. Cyber Appellate Tribunal

C. State Police of India

D. Indian Cyber Crime Coordination Centre (I4C)

**Q96 General Awareness**

In 2025, which of the following states emerged as the national leader in mangrove afforestation, covering 19020 hectares in just two years under the Centre's 'MISHTI' scheme, launched in 2023?

A. Kerala

B. Uttar Pradesh

C. Maharashtra

D. Gujarat

**Q97 General Awareness**

22 March 2025 marks which important regional day in Bihar?

A. Bihar Liberation Day

B. Bihar Statehood Day



C. Bihar Brotherhood Day

D. Bihar Reorganisation Day

Q98 General Awareness

The state government of which of the following states, in September 2025, mandated a child protection policy in all residential schools and hostels?

A. Tamil Nadu

B. Andhra Pradesh

C. Karnataka



D. Kerala

Q99 General Awareness

In June 2025, Canada signed a historic defence agreement with which of the following to strengthen cooperation amid global tensions?

A. BRICS

B. African Union

C. European Union



D. ASEAN

Q100 General Awareness

Where did Neeraj Chopra achieve his national record throw of 90.23 m in 2025?

A. World Athletics Championships

B. Commonwealth Games

C. Tokyo Olympics

D. Doha Diamond League



General Science

25 Questions • Answer Key

Q1 General Science

Which of the following non-metals is found liquid at room temperature?

- A. Phosphorous
- B. Iodine
- C. Bromine
- D. Nitrogen



Q2 General Science

What are the products formed when an acid reacts with a metal hydrogen carbonate?

- A. Salt + Water + Carbon dioxide
- B. Base + Hydrogen gas
- C. Salt + Oxygen + Carbon
- D. Salt + Hydrogen gas



Q3 General Science

Which of the following statements is NOT correct?

- A. Soft sound has small amplitude
- B. Loudness depends on amplitude
- C. Loudness depends on frequency
- D. Loud sound has large amplitude



Q4 General Science

The potential energy of a body depends on which of the following?

- A. Speed
- B. Mass only
- C. Both mass and height
- D. Height only



Q5 General Science

Which of the following metals is most likely to be found in the free state in nature due to its low reactivity?

- A. Iron
- B. Zinc
- C. Copper
- D. Gold



Q6 General Science

What is the primary advantage of cross-pollination over self-pollination?

- A. Does not depend on pollinating agents for producing progeny
- B. Produces progeny that is identical to parent
- C. Introduces genetic variations, which improves chances of survival in progeny
- D. Requires less energy input for generating the progeny



Q7 General Science

An object is thrown vertically upwards with velocity u . Under the influence of gravity, the acceleration:

- A. acts in the direction of motion
- B. acts opposite to the direction of motion
- C. becomes zero at the highest point
- D. increases the upward velocity



Q8 General Science

A cyclist performing uniform circular motion throws an apple in his direction, the apple moves in a _____.

- A. tangential path to the circular path at that point
- B. straight line path opposite to the cyclist
- C. circular path opposite to the cyclist
- D. circular path as the cyclist



Q9 General Science

At maturity, an organism breaks into smaller pieces, which grow into new individuals. What is this process called?

- A. Fragmentation
- B. Fusion
- C. Fission
- D. Budding



Q10 General Science

Which of the following statements correctly explains the continuous movement of particles of matter?

- A. Particles of matter are too heavy to move.
- B. Particles of matter are continuously moving due to their kinetic energy. ✓
- C. Particles of matter move only in gases and not in solids or liquids.
- D. Particles of matter are stationary unless force is applied.

Q11 General Science

What is molecular mass of carbon dioxide?

- A. 44 ✓
- B. 22
- C. 38
- D. 42

Q12 General Science

The generation of heat in a conductor due to electric current is known as:

- A. Joule's heating ✓
- B. Ohm's Law
- C. electrolysis
- D. electromagnetic induction

Q13 General Science

Which of the following is NOT present in animal cells?

- A. Cytoplasm
- B. Nucleus
- C. Plasma membrane
- D. Chloroplast ✓

Q14 General Science

According to Bohr's model of the atom, electrons in an atom:

- A. are embedded in a positively charged sphere like plums in a pudding
- B. revolve around the nucleus in elliptical orbits and emit energy continuously
- C. revolve in fixed circular orbits and do not radiate energy while in these orbits ✓
- D. are stationary in the atom and emit energy when struck by photons

Q15 General Science

A car driver uses a concave mirror as a shaving mirror at home. If his face is kept close to the mirror, how will the image formed be?

- A. Virtual, erect, and magnified ✓
- B. Real, inverted, and smaller than the face
- C. Virtual, erect, and diminished
- D. Real, inverted, and larger than the face

Q16 General Science

While cleaning the school campus, students are asked to separate biodegradable waste. Which of the following should be placed in the biodegradable bin?

- A. Wooden pencil shavings ✓
- B. Polythene bag
- C. Glass bottle
- D. A crushed cold drink can

Q17 General Science

Which of the following is secreted directly into the blood and carried to different parts of the body?

- A. Saliva
- B. Pancreatic juice
- C. Bile juice
- D. Adrenaline ✓

Q18 General Science

A train is moving along a straight track with a speed of 54 km/hr. It stops after traveling 150 m. The magnitude of its acceleration is:

- A. 1 m/s^2
- B. 0.75 m/s^2 ✓
- C. 2 m/s^2
- D. 1.5 m/s^2

Q19 General Science

Which of the following is the compound produced by the action of chlorine on dry slaked lime (Ca(OH)_2)?

- A. bleaching powder ✓
- B. common salt
- C. washing soda
- D. bleaching soda



Q20 General Science

Which of the following features is seen in every cell under a microscope?

- A. Mitochondria
- B. Cell membrane ✓
- C. Chromosome
- D. Lysosome

Q21 General Science

Which of the following pairs of human male chromosome is mismatched in size?

- A. Twentieth pair autosomes
- B. First pair autosomes
- C. Sex chromosomes ✓
- D. Thirteenth pair autosomes

Q22 General Science

Which of the following is the common name for ethanol (C_2H_5OH)?

- A. Ethyl alcohol ✓
- B. Methyl alcohol
- C. Isopropyl alcohol
- D. Butyl alcohol

Q23 General Science

A light is travelling from a denser medium A to a rarer medium B. What will be the unit of refractive index of medium B with respect to medium A?

- A. (metre)⁻¹
- B. (metre)²
- C. No unit ✓
- D. metre

Q24 General Science

When the current in a circuit is doubled, keeping resistance constant, the power dissipated in the resistor becomes:

- A. Double
- B. Four times ✓
- C. Half
- D. One-fourth

Q25 General Science

Which substances are selectively reabsorbed in the nephron?

- A. Urea and carbon dioxide
- B. Platelets and enzymes
- C. Glucose, amino acids, and water ✓
- D. Bile and hydrochloric acid

Mathematics

25 Questions • Answer Key

Q26 Mathematics

The average age of 50 students in a class is 29 years. If the age of the teacher is also included, the average age of the whole group becomes 30 years. The age (in years) of the teacher is:

- A. 80 ✓
- B. 82
- C. 85
- D. 83

Q27 Mathematics

Train P, going at the speed of 51 km/hr, completely passes Train Q of length 225 m, going in the same direction on parallel tracks, at 22 km/hr, in 7.5 minutes. How much time (in seconds) will P take to completely cross Train R of length 420 m, going at 21 km/hr in the opposite direction?

- A. 196
- B. 191 ✓
- C. 181
- D. 193



Q28 Mathematics

In an election between two candidates, 20% of the total votes were declared invalid. The winning candidate received 70% of the valid votes and won by a margin of 12,400 votes. Find the total number of registered voters.

A. 38,000

B. 11,625

C. 38,750



D. 27,125

Q29 Mathematics

Simplify $3 \times 5 + 8 - 15 \div 3 - 12 + 72 \div 8 \times 5 - 32$.

A. 28

B. 72

C. 19



D. 45

Q30 Mathematics

Sohan purchased 25 dozens of toys at the rate of ₹480 per dozen. He sold each one of them at the rate of ₹45. What was his percentage profit?

A. 14.5%

B. 11.5%

C. 12.5%



D. 10.5%

Q31 Mathematics

A, B, and C can do a piece of work in 3, 3, and 3 days respectively. How long (in days) will they take to do thrice the same work, working together?

A. 9

B. 3



C. 4

D. 6

Q32 Mathematics

The product of the present ages of Seema and Jyoti is 3,952 years, and their present age ratio is 19 : 13. Find the difference in the ages (in years) of Seema and Jyoti.

A. 18

B. 24



C. 22

D. 16

Q33 Mathematics

A credit card payment that will settle a bill for 383 mixers at ₹1,000 per mixer with successive discounts of 25% and 20% with a further discount of 13% on card payment is:

A. ₹1,99,915

B. ₹1,99,908

C. ₹1,99,926



D. ₹1,99,918

Q34 Mathematics

Find the HCF of 27, 54 and 108.

A. 27



B. 18

C. 54

D. 9

Q35 Mathematics

The average of the first 5 odd natural numbers is:

A. 2.5

B. 4

C. 5



D. 6

Q36 Mathematics

The sum of seven consecutive numbers is 168. What is the sum of the largest and the smallest numbers?

A. 45

B. 46

C. 48



D. 49

Q37 Mathematics

The income of Raman is ₹70,900. He saves 12% of his income. If his income increases by 39% and expenditure increases by 50%, then his savings will:

A. increase by ₹3,548

B. increase by ₹3,546

C. decrease by ₹3,550

D. decrease by ₹3,545



Q38 Mathematics

Manoj got a new curtain at 20% discount. If Manoj did not get any discount, Manoj would have to pay ₹664 extra. So how much did Manoj pay for the curtain?

A. ₹2,657

B. ₹2,656



C. ₹2,654

D. ₹2,655

Q39 Mathematics

If the mean proportional of A and 50 is 40, then find the value of A.

A. 31

B. 30

C. 33

D. 32

**Q40 Mathematics**

The sides of a triangle are 75 cm, 44 cm, and 35 cm. What is the length of its altitude corresponding to the side with a length of 44 cm?

A. 21 cm



B. 26 cm

C. 45 cm

D. 50 cm

Q41 Mathematics

The areas of three adjacent faces of a solid cuboid are 108 cm^2 , 60 cm^2 and 45 cm^2 . What is the volume (in cm^3) of the cuboid?

A. 332

B. 540



C. 686

D. 296

Q42 Mathematics

Aman and Yogita together invested ₹59,200 in a business. At the end of the year, out of a total profit of ₹8,000, Aman's share was ₹1,400. How much was Aman's investment?

A. ₹11,915

B. ₹11,385

C. ₹10,360



D. ₹8,610

Q43 Mathematics

An Uber auto covers a distance of 680 km in 17 hours. What is its speed in km/hr?

A. 43

B. 34

C. 40



D. 32

Q44 Mathematics

A cistern is normally filled in 12 hours but takes 2 hours longer to fill because of a leak in its bottom. If the cistern is full, then in how much time will the leak empty the tank?

A. 124 hours

B. 48 hours

C. 84 hours



D. 120 hours

Q45 Mathematics

Consider two triangles, ABC and XYZ. In triangle ABC, the base is 21 cm and the other two sides are 17 cm and 10 cm, respectively. In triangle XYZ, the base is two-thirds the base of triangle ABC and has an altitude of 5 cm. Find the sum of the areas of triangles ABC and XYZ.

A. 124.5 cm^2

B. 136.5 cm^2

C. 119 cm^2



D. 108 cm^2

Q46 Mathematics

A certain sum of money amounts to ₹7,040 in 2 years and ₹8,000 in 5 years on simple interest. Find the principal.

A. ₹6,400



B. ₹6,550

C. ₹6,200

D. ₹5,800



Q47 Mathematics

$\frac{1}{20}$ is what percentage of $\frac{11}{40}$ (rounded off to two decimal places)?

A. 36.36%

B. 33.18%

C. 18.18% 

D. 28.18%

Q48 Mathematics

The angle of elevation of the top of a tree at a distance of 60 m from its foot on a horizontal plane is found to be 30° . Find the height of the tree.

A. $20\sqrt{3}$ m B. $10\sqrt{3}$ mC. $40\sqrt{3}$ mD. $15\sqrt{3}$ m**Q49** Mathematics

The value of $\left(\frac{0.896 \times 0.763 + 0.896 \times 0.237}{0.7 \times 0.064 + 0.7 \times 0.936} \right)$ is:

A. 12.8

B. 1.28 

C. 128

D. 0.128

Q50 Mathematics

Simplify: $21^3 + 13^3 - 34^3 + 3 \times 21 \times 13 \times 34$

A. 1

B. 0 

C. 68

D. 9282



Q51 General Intelligence & Reasoning

Mr. Akai starts from Point A and drives 12 km towards west. He then takes a left turn, drives 15 km, turns left and drives 20 km. He then takes a left turn and drives 28 km. He takes a final left turn, drives 8 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified)

- A. 12 km to the north
- B. 15 km to the north
- C. 13 km to the south**
- D. 10 km to the east

Q52 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements: All shirts are trousers. All trousers are pants. No pant is a coat.

Conclusion (I) : No shirt is a coat.

Conclusion (II) : No trouser is a coat.

- A. Only I follows
- B. Neither follows
- C. Only II follows
- D. Both follow**

Q53 General Intelligence & Reasoning

Which of the given letter-number clusters will replace the question mark (?) in the following series to make it logically complete?

DTM44, HQJ40, LNG36, ?

- A. PKD32**
- B. QJD32
- C. PKC34
- D. QJC33

Q54 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

2 4 12 48 ? 1440

- A. 240**
- B. 224
- C. 420
- D. 422

Q55 General Intelligence & Reasoning

If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark '?' in the following equation?

14 B 2 D 18 A 9 C 12 = ?

- A. 40
- B. 36
- C. 39
- D. 38**

Q56 General Intelligence & Reasoning

Refer to the following series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 4 2 1 5 8 6 1 5 4 7 3 6 6 4 9 1 4 3 1 5 6 3 4 2 2 8 8
(Right)

How many such even numbers are there each of which is immediately preceded by an odd number and also immediately followed by an even number?

- A. 2
- B. 3**
- C. 5
- D. 4

Q57 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

DRA111, NBK97, XLU83, HVE69, ?

- A. SFO55
- B. RFQ55
- C. RFO55**
- D. RGO55



Q58 General Intelligence & Reasoning

Mr. Z starts from Point A and drives 17 km towards the South. He then takes a left turn, drives 18 km, then turns left and drives 41 km. He then takes a left turn and drives 27 km, then turns left and drives 15 km. He then takes a right turn and drives 7 km. He takes a final left turn, drives 9 km, and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only, unless specified.)

A. 16 km to the east



B. 17 km to the west

C. 17 km to the east

D. 16 km to the west

Q59 General Intelligence & Reasoning

This question is based on the five, three-digit numbers given below.

(Left) 551 214 483 409 581 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

(NOTE - All operations to be done from left to right.)

What will be the resultant if the second digit of the highest number is added to the third digit of the lowest number?

A. 10

B. 12



C. 16

D. 11

Q60 General Intelligence & Reasoning

Select the pair that follows the same pattern as the one followed by the two pairs given below. Both pairs follow the same pattern.

OPT-XYC

DEI-MNR

A. CCF-LMQ

B. CDH-KMP

C. CDH-LMQ



D. CCF-KLP

Q61 General Intelligence & Reasoning

A, B, C, E, F, P and Q are sitting around a circular table facing the centre. F sits third to the left of C. Only one person sits between C and P when counted from the left of P. Only two people sit between B and E when counted from the right of E. A is an immediate neighbour of B. Who sits to the immediate left and right of Q, respectively?

A. P and B

B. C and P



C. F and A

D. P and C

Q62 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows. (All numbers are single-digit numbers only.) (Counting to be done from left to right only.)

(Left) 1 3 5 8 5 5 5 4 8 9 4 2 8 9 7 6 7 6 3 5 8 5 7 2 5 6 8
(Right)

How many such even numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

A. 6

B. 7

C. 5



D. 8

Q63 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

283 261 239 217 195 ?

A. 173



B. 180

C. 169

D. 165

Q64 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the letter-cluster that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. TSW

B. LKO

C. DCG

D. VVY



Q65 General Intelligence & Reasoning

Seven boxes, A, B, C, D, I, J and K, are kept one over the other, but not necessarily in the same order. K is kept second from the bottom. Only three boxes are kept between K and I. D is kept at one of the positions below K. Only B is kept between I and J. A is kept at one of the positions above I.

How many boxes are kept between C and D?

A. Four

B. One

C. Two

D. Three

Q66 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(2, 30, 15)
(21, 189, 9)

A. (4, 40, 10)

B. (13, 263, 20)

C. (46, 969, 21)

D. (45, 543, 12)

Q67 General Intelligence & Reasoning

Refer to the number series given below and answer the question that follows. Counting to be done from left to right only.

(NOTE: All numbers are single-digit numbers only.)

(Left) 3 7 2 4 2 8 2 5 3 2 9 4 5 5 9 6 5 3 3 4 6 3 3 5 3 6 9
(Right)

How many such even numbers are there each of which is immediately preceded by an odd number and also immediately followed by an odd number?

A. 4

B. 6

C. 3

D. 5

Q68 General Intelligence & Reasoning

If 'A' stands for ' $\div$ ', 'B' stands for ' $\times$ ', 'C' stands for '+' and 'D' stands for ' $-$ ', what will come in place of the question mark (?) in the following equation?

6 C 8 B 8 A 32 D 1 = ?

A. 7

B. 8

C. 9

D. 4

Q69 General Intelligence & Reasoning

Select the pair that follows the same pattern as the one followed by the two pairs given below. Both pairs follow the same pattern.

GHK-JKN
TUX-WXA

A. QQS-TUX

B. QQS-STW

C. QRU-SUW

D. QRU-TUX

Q70 General Intelligence & Reasoning

A, B, C, D, E, F and G are sitting around a circular table facing the centre. D is the immediate neighbour of G and A. F sits second to the left of G. E is the immediate neighbour of C and A.

How many people sit between C and B when counted from the left of B?

A. Two

B. One

C. Three

D. Four

Q71 General Intelligence & Reasoning

In a row of 39 people facing north, Sangeeta is 14th from the left end. If Meghana sits 11th to the right of Sangeeta, then what is Meghana's position from the right end of the row?

A. 15

B. 10

C. 17

D. 11



Q72 General Intelligence & Reasoning

In a certain code language,

'A + B' means 'A is the father of B'

'A - B' means 'A is the mother of B'

'A × B' means 'A is the sister of B'

'A ÷ B' means 'A is the brother of B'

Based on the above, how is P related to T if 'P - Q ÷ R + S × T'?

A. Father's sister

B. Father's mother

C. Sister

D. Mother's sister

Q73 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

5 6 10 19 35 60 ?

A. 99

B. 93

C. 96

D. 69

Q74 General Intelligence & Reasoning

If + means -, - means ×, × means ÷, ÷ means +, then what will come in place of the question mark (?) in the following equation?

19 - 16 ÷ 128 + 32 × 4 = ?

A. 433

B. 429

C. 413

D. 424

Q75 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. QL - UJ

B. KP - ON

C. BM - FJ

D. RD - VB

Q76 General Intelligence & Reasoning

In a certain code language, 'the chef cooks' is coded as 'ae tr ds' and 'she cooks food' is coded as 'fp qz tr'. How is 'cooks' coded in that language?

A. ae

B. qz

C. tr

D. ds

Q77 General Intelligence & Reasoning

XYBX is related to WXA in a certain way based on the English alphabetical order. In the same way, QRUQ is related to PQTP. To which of the given options is RSVR related, following the same logic?

A. QQTQ

B. QRTQ

C. QSTZ

D. QRUQ

Q78 General Intelligence & Reasoning

A, B, C, D, W, X and Y are sitting around a circular table facing the centre of the table.

A sits fourth to the left of Y. W sits fourth to the right of C. Only two people sit between Y and C when counted from the left of Y. X is not an immediate neighbour of W or Y. D is not an immediate neighbour of X. Who sits third to the right of B?

A. A

B. Y

C. C

D. D

Q79 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some cakes are samosas.

All samosas are buns.

Conclusions:

(I): Some cakes are buns.

(II): All buns are samosas.

A. Only conclusion (II) follows

B. Both conclusions (I) and (II) follow

C. Neither conclusion (I) nor (II) follows

D. Only conclusion (I) follows



Q80 General Intelligence & Reasoning

A group of numbers/symbols is coded using letter codes as per the codes given below and the conditions that follow. Note: If none of the conditions apply, then the codes for the respective number/symbol are to be followed directly as given in the table.

Numbers/symbols	%	8	2	\$	9	3	&	7	@	6	+	5	#	4
Codes	T	P	G	R	W	S	C	N	L	J	H	K	A	Y

Conditions:

- (i) If the first element is a symbol and the last element a number, the codes for these two (the first and last elements) are to be interchanged.
- (ii) If both the second and third elements are multiples of 2, the third element is to be coded as the code for the second element.
- (iii) If the second element is an odd number and the last element a symbol, the second and last elements are to be coded as *.

What will be the code for the following group?

& 4 8 \$ #

A. C Y Y R A



B. A Y P R C

C. C * P R *

D. C P P R A

General Awareness

20 Questions • Answer Key

Q81 General Awareness

The Defense Research and Development Organisation (DRDO) lab in which city has created an advanced polymeric membrane designed for high-pressure desalination of sea water in May 2025?

A. Kanpur



B. Hyderabad

C. Bengaluru

D. Pune

Q82 General Awareness

Which Indian captain won the IPL 2025 in his debut season as skipper?

A. Sai Sudharsan

B. Rajat Patidar



C. Krunal Pandya

D. Suryakumar Yadav

Q83 General Awareness

Which book, launched by Union Minister Dharmendra Pradhan at the World Book Fair 2025, is part of the PM YUVA 2.0 scheme?

A. Indian Renaissance: The Modi Decade

B. The Elsewhereans

C. The Saga of Kudopali



D. Death of a Gentleman

Q84 General Awareness

As of July 2025, what is the duration of the Revised Green India Mission (GIM) Plan released in 2025?

A. 2022-2029

B. 2020-2025

C. 2021-2030



D. 2025-2035

Q85 General Awareness

Which of the following is a state-of-the-art infrastructure, disaster-resilient facility launched by the Government of India in June 2025 for strengthening disaster preparedness and response mechanisms?

A. Integrated Control Room for Emergency Response



B. National Disaster Coordination Hub

C. Advanced Disaster Response and Monitoring Facility

D. Centralised Crisis Management Centre

Q86 General Awareness

What scientific activity is NOT planned on Axiom-4?

A. Testing crewed docking with a lunar base at Indian space station



B. Studying the effects of short spaceflights on joints and blood flow

C. Examining microgravity's impact on the brain and cognitive risks

D. Understanding the effects on blood stem cells during spaceflight



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Q87 General Awareness

Who won the Sportstar of the Year (Male) award at the Sportstar Aces Awards 2025?

- A. Neeraj Chopra
- B. PR Sreejesh
- C. Virat Kohli
- D. Rohit Sharma

Q88 General Awareness

Where was the 2025 Wimbledon tennis tournament held?

- A. Melbourne, Australia
- B. London, United Kingdom
- C. New York, USA
- D. Paris, France

Q89 General Awareness

In October 2025, which state government launched the State Climate Action Tracker alongside district-level decarbonization action plans?

- A. Gujarat
- B. Meghalaya
- C. Tamil Nadu
- D. Kerala

Q90 General Awareness

Which national team claimed their first-ever title at the 2025 IIHF Women's Asia Cup?

- A. Japan
- B. India
- C. Philippines
- D. China

Q91 General Awareness

In February 2025, which company partnered with Roche Diagnostics for a self-sampling HPV DNA test in India?

- A. Apollo Hospitals
- B. Fortis Healthcare
- C. Max Healthcare
- D. Metropolis Healthcare

Q92 General Awareness

The Reserve Bank of India launched the PRAVAAH portal with effect from _____.

- A. 1 May 2025
- B. 1 April 2025
- C. 1 July 2025
- D. 1 June 2025

Q93 General Awareness

In 2025, which Ministry of Defence initiative aimed to modernise the armed forces in cyber, AI, and integrated command?

- A. Make in India
- B. Operation Cold Start
- C. Year of Reforms
- D. Digital India in Defence

Q94 General Awareness

In April 2025, DRDO's Defense Research and Development Laboratory (DRDL) unit had successfully completed a long-duration ground test of an advanced scramjet combustor in _____.

- A. Ahmedabad
- B. Hyderabad
- C. Lucknow
- D. Bhopal

Q95 General Awareness

Who authored the book Memories and Milestones, documenting 60 years of Blue Cross of India, launched in 2025?

- A. Maneka Sanjay Gandhi and AL Somayaji
- B. Justice PN Prakash and V Sriram
- C. V Sriram and Lashman
- D. Lashman and Maneka Gandhi

Q96 General Awareness

On 31 May 2025, which of the following banks of India waived the minimum balance requirement on all savings accounts?

- A. Indian Bank
- B. Punjab National Bank
- C. Bank of India
- D. Canara Bank



Q97 General Awareness

Which renowned personality received the 2025 Templeton Prize for promoting science and spirituality?

- A. Jean Vanier Patriarch Bartholomew
- B. William Lane Craig
- C. Francis Collins
- D. Ecumenical Patriarch Bartholomew

**Q98 General Awareness**

The Andhra Pradesh government rejected Telangana's demand for a 50 : 50 share of Krishna river water in January 2025. Currently, what is the water sharing ratio between Andhra Pradesh and Telangana?

- A. 60 : 40
- B. 55 : 45
- C. 70 : 30
- D. 66 : 34

**Q99 General Awareness**

Which of the following was the main theme of the conference organised by the National Minorities Development and Finance Corporation in Mumbai in May 2025?

- A. Financial Planning for Small Businesses
- B. Entrepreneurship for Minorities
- C. Innovation in Religious Institutions
- D. Leadership Training for Minority Women

**Q100 General Awareness**

International Labour Day 2025 was celebrated globally on which of the following dates?

- A. May 1
- B. May 2
- C. April 30
- D. May 3



General Science

25 Questions • Answer Key

Q1 General Science

When light ray passes from a rarer medium to a denser medium, it _____.

A. bends towards the normal



B. bends away from the normal

C. bends at a 90° angle

D. does not bend at all

Q2 General Science

Which part in the neuron i.e. nervous tissue is responsible for protein synthesis?

A. Axon

B. Nissl granules



C. Synaptic bulb

D. Dendrites

Q3 General Science

Which mechanism leads to the folding of Mimosa pudica leaves when they are touched?

A. Change in pH of leaf cells

B. Change in the water content of leaf cells



C. Change in temperature of the leaves

D. Change in light intensity at leaf surface

Q4 General Science

In a purely resistive circuit, the electrical energy supplied by the battery is:

A. completely dissipated as heat



B. converted only into light

C. stored as potential energy

D. stored as magnetic energy

Q5 General Science

What does the atomic number of an element represent?

A. Number of protons in an atom



B. Number of neutrons in an atom

C. Total number of electrons and protons

D. Mass number of the atom

Q6 General Science

The molecular mass of HNO_3 is 63 atomic mass unit (u). What is atomic mass of oxygen (O)?

A. 8u

B. 32u

C. 48u

D. 16u



Q7 General Science

A particle starts from rest and moves with uniform acceleration. Which of the following represents the correct velocity-time graph for the particle?

A. A parabola

B. A straight line passing through the origin with positive slope



C. A horizontal line

D. A straight line passing through the origin with negative slope

Q8 General Science

Which of the following substances burn without a flame?

A. LPG

B. Wax

C. Charcoal



D. Petrol

Q9 General Science

Why does carbon form covalent bonds instead of ionic bonds?

A. Carbon has 8 valence electrons.

B. It has a very large atomic radius.

C. Carbon can easily gain or lose 4 electrons.

D. It is energetically unfavourable to lose or gain 4 electrons.



Q10 General Science

When the height of an object is doubled, its potential energy becomes:

A. double



B. triple

C. half

D. zero

Q11 General Science

Which of the following best describes the nutrition process in amoeba?

A. Ingestion → Egestion → Absorption → Digestion

B. Absorption → Ingestion → Digestion → Egestion

C. Diffusion → Ingestion → Digestion → Absorption

D. Ingestion → Digestion → Absorption → Egestion

**Q12 General Science**

Consider the following statements and select the correct option.

Statement 1: A fuse is connected in series in an electric circuit.

Statement 2: A fuse wire melts when the current exceeds a safe limit.

A. Only Statement 2 is correct.

B. Only Statement 1 is correct.

C. Both Statements 1 and 2 are correct.



D. Both Statements 1 and 2 are incorrect.

Q13 General Science

Mendel conducted his experiments on which plant?

A. Bean plant

B. Tomato

C. Pea plant



D. Sunflower

Q14 General Science

A common characteristic in all double displacement reaction is:

A. the reaction mixture is always colourless

B. only one product is formed

C. exchange of metal ions between two metal salts



D. the reaction requires heat to initiate

Q15 General Science

When calcium oxide reacts with water, the product formed is:

A. calcium sulphate

B. calcium chloride

C. calcium hydroxide



D. calcium carbonate

Q16 General Science

When an object falls freely near the Earth, the direction of its motion:

A. remains the same



B. becomes opposite to gravity

C. changes continuously

D. becomes horizontal

Q17 General Science

Which of the following is essential for the propagation of sound waves?

A. Light source

B. Medium



C. Vacuum

D. Magnet

Q18 General Science

The mode of cell division by which germ cells get half the amount of DNA as compared to non-reproductive cells is called ____.

A. Amitosis

B. Meiosis



C. Budding

D. Mitosis

Q19 General Science

Which metal is placed just above copper in the reactivity series?

A. Aluminium

B. Lead



C. Iron

D. Zinc



Q20 General Science

When particles of two different types of matter randomly mix due to the inherent random movement of particles, the process is called:

- A. effusion
- B. intermixing
- C. homogenisation
- D. diffusion ✓

Q21 General Science

What type of image is formed by a concave mirror when the object is placed at infinity?

- A. Highly enlarged and virtual
- B. Same size as the object and real
- C. Enlarged, virtual and upright
- D. Highly diminished, real and inverted ✓

Q22 General Science

Which of the following cell organelles help(s) in cellular reproduction?

- A. Plastids
- B. Endoplasmic Reticulum
- C. Lysosomes
- D. Nucleus ✓

Q25 General Science

An object with a mass of 10.0 kg is initially moving at a velocity of 3.0 m/s. A constant force of 30.0 N is applied in the opposite direction of its motion for 5.0 s. What is the final velocity of the object?

- A. +18.0 m/s
- B. +12.0 m/s
- C. -12.0 m/s ✓
- D. 0 m/s

Q23 General Science

Plastic waste has increased a lot in a city over the last 10 years. Which habit of people is most likely causing this?

- A. Plastic bags have been banned.
- B. People are using more disposable items instead of long-lasting ones. ✓
- C. More people are using buses and trains.
- D. People are choosing reusable things.

Q24 General Science

Which of the following statements correctly describes the process of budding in organisms like Hydra?

- A. A bud forms as an outgrowth due to repeated cell division and detaches when mature. ✓
- B. A bud forms from specialised cells inside the organism and remains attached for life.
- C. A bud forms from a broken body part and grows into a new organism.
- D. A bud forms only during sexual reproduction and fuses with the parent organism.

Mathematics

25 Questions • Answer Key

Q26 Mathematics

What is the mode of the data 20, 21, 15, 16, 20, 17, 18, 16, 15, 14, 19, 20, 18, 14, and 20?

- A. 21
- B. 20 ✓
- C. 19
- D. 18

Q27 Mathematics

A trader purchased a bundle of 15 notebooks for ₹1,200 and sold the entire bundle for ₹1,040. The loss incurred is equal to the cost price of how many notebooks?

- A. 4
- B. 1
- C. 2 ✓
- D. 3



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Q28 Mathematics

The sum of the first 12 prime numbers is:

- A. 199
- B. 201
- C. 197
- D. 202

**Q29 Mathematics**

In a college election, the valid votes for candidates X and Y were in the ratio 7 : 2. The college had 1800 registered voters, of which 20% did not cast their votes and 20% of the votes cast were declared invalid. What is the difference in the number of votes secured by candidates X and Y?

- A. 896
- B. 256
- C. 459
- D. 640

**Q30 Mathematics**

The cost of a washing machine is 50% less than the cost of a TV. If the cost of the washing machine increases by 57% and that of the TV decreases by 74%, then what is the percentage change in the total cost of 6 washing machines and 2 TVs?

- A. Increase by 5.2%
- B. Decrease by 1%
- C. Increase by 4.6%
- D. Decrease by 5%

**Q31 Mathematics**

A shopkeeper marks his goods at X% above the cost price and sells them at a discount of 40%. If he makes a profit of 62%, find the value of X.

- A. 171
- B. 170
- C. 168
- D. 169

**Q32 Mathematics**

DMART is offering Buy 2, get 29 free on grocery items. What is the net percentage discount being offered by DMART? (Correct up to two decimal places)

- A. 95.63%
- B. 97.4%
- C. 92.67%
- D. 93.55%

**Q33 Mathematics**

The area of a trapezium is 54 sq.units. Its parallel sides are $3x + 1$ units and $2x + 2$ units, respectively. The distance between the parallel sides is $3y$ units and $x - y = 1$. Find the sum of parallel sides.

- A. 18 units
- B. 22 units
- C. 12 units
- D. 16 units

**Q34 Mathematics**

If the value of 13% of 16% of x is 59.28, then the value of x is:

- A. 2580
- B. 2760
- C. 2850
- D. 2690

**Q35 Mathematics**

A number is divided into two parts, such that one part is 10 more than the other. If the two parts are in the ratio 5 : 3, find the two parts of the number.

- A. 25 and 15
- B. 26 and 16
- C. 27 and 17
- D. 24 and 14

**Q36 Mathematics**

Two trains are moving in opposite directions at speeds of 130 km/hr and 60 km/hr, respectively. The length of one train is 360 m. The time taken by them to cross each other is 12 seconds. The length (in m) of the other train, correct to 2 decimal places, is:

- A. 273.33
- B. 269.96
- C. 282.54
- D. 277.92

**Q37 Mathematics**

A, B and C can do a piece of work in 2, 6 and 12 days, respectively. How long (in days) will they take to do thrice the same work, working together?

- A. 4
- B. 8
- C. 12
- D. 5



Q38 Mathematics

A father is 30 years older than his son. After 5 years, he will be twice as old as his son. Find the son's present age.

- A. 20 years
- B. 22 years
- C. 27 years
- D. 25 years

**Q39 Mathematics**

A 275-metre-long train crosses a platform thrice its length in 44 seconds. What is the speed of the train in km/hr?

- A. 81
- B. 98
- C. 85
- D. 90

**Q40 Mathematics**

Find the largest number that divides 555, 703, 999 and 1147 leaving the same remainder in each case.

- A. 137
- B. 89
- C. 74
- D. 148

**Q41 Mathematics**

Pipes A and B can fill 50% of a tank in 15 and 10 minutes, respectively. There is also an emptying pipe C attached to the tank. If all the three pipes are opened together, the tank is filled in 15 minutes. If the tank is two-third filled, then in how much time (in minutes) C alone will empty the tank completely?

- A. 60
- B. 20
- C. 30
- D. 40

**Q42 Mathematics**

Given that C is the third proportional of 16 and B. If B is the sum of the first three even natural numbers, then find the value of C.

- A. 8.49
- B. 7.55
- C. 9.0
- D. 11.74

**Q43 Mathematics**

If $A : B = 4 : 6$ and $B : C = 7 : 10$, then $A : B : C$ is:

- A. 14 : 21 : 30
- B. 14 : 12 : 30
- C. 14 : 31 : 21
- D. 14 : 23 : 40

**Q44 Mathematics**

Two banks, A and B, offered loans at 3.5% and 7% per annum, respectively. Vijay borrowed an amount of ₹4,80,000 from each bank. Find the positive difference (in ₹) between the amounts of simple interest paid to the two banks by Vijay after 3 years.

- A. 49,900
- B. 51,900
- C. 50,400
- D. 51,400

**Q45 Mathematics**

Quadrilateral ABCD has sides $AB = 9$ m, $BC = 12$ m, $CD = 14$ m and $DA = 13$ m, taken in order. If $\angle ABC = 90^\circ$, find the area (in m^2) of quadrilateral ABCD.

- A. 135
- B. 138
- C. 148
- D. 128



Q46 Mathematics

Simplify the following.

$$\frac{8^{21} \div 4^{28} \times 2^5}{(4^{14})^{\frac{1}{7}} \times 8^2}$$

A. 4



B. 8

C. 2

D. 16

Q47 Mathematics

In an equilateral triangle ABC of side 18 cm, what is the sum (in cm) of the perpendicular distances of the centroid G from the sides of the triangle?

A. $9\sqrt{3}$



B. $3\sqrt{3}$

C. $6\sqrt{3}$

D. $12\sqrt{3}$

Q48 Mathematics

If $x + \frac{1}{x} = 13$, then the value of $(x^2 + \frac{1}{x^2})$ is:

A. 169

B. 171

C. 163

D. 167

**Q49** Mathematics

Find the value of $\tan 30^\circ \times \cos 30^\circ$.

A. 1

B. $\frac{\sqrt{3}}{2}$

C. $\frac{1}{2}$



D. $\frac{1}{\sqrt{2}}$



Q50 Mathematics

If the mode of the given data is $133\frac{2}{11}$ cm., find the value of X.

Height (in cm)	125 - 130	130 - 135	135 - 140	140 - 145	145 - 150
Number of girls	7	14	X	10	9

A. 15

B. 11

C. 10



D. 12

General Intelligence & Reasoning

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

In a certain code language, 'iron hip cheek' is coded as 'nn nu qw' and 'mud iron globe' is coded as 'nu yx mt'. How is 'iron' coded in the given language?

A. nn

B. yx

C. qw

D. nu



Q52 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some mangoes are bananas.

No banana is a kiwi.

Conclusions:

(I): All bananas are mangoes.

(II): No mango is a kiwi.

A. Neither follows



B. Only II follows

C. Only I follows

D. Both follow

Q53 General Intelligence & Reasoning

SGHE is related to XCMA in a certain way based on the English alphabetical order. In the same way, CYRW is related to HUWS. To which of the following is MQBO related, following the same logic?

A. SLGM

B. SNHL

C. RMGK



D. QLFJ

Q54 General Intelligence & Reasoning

Each of the digits in the number 3728645 is arranged in ascending order from left to right. What will be the sum of the digits that are second from the left and second from the right in the new number thus formed?

A. 10



B. 11

C. 7

D. 9

Q55 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. MP-TN

B. SV-ZT

C. PS-WR



D. JM-QK



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Q56 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(5, 22, 26)
(11, 40, 44)

A. (13, 32, 36)

B. (17, 58, 54)

C. (16, 55, 59) ✓

D. (16, 66, 70)

Q57 General Intelligence & Reasoning

Seven boxes, A, B, C, D, I, J and K, are kept one over the other, but not necessarily in the same order.

Only two boxes are kept between A and C. Only B is kept above K. No box is kept below C. J is kept at some place below D but at some place above I.

Which box is kept third above I?

A. A

B. K

C. C

D. D ✓

Q58 General Intelligence & Reasoning

Select the pair which follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.

QUT–XBA
YCB–FJI

A. ILJ–OSR

B. IML–OTR

C. ILJ–PTS

D. IML–PTS ✓

Q59 General Intelligence & Reasoning

A, B, C, E, F, P and Q are sitting around a circular table facing the centre. A sits fourth to the left of C. P sits fourth to the right of B. Only two people sit between C and B when counted from the left of C. E is not an immediate neighbour of P or B. F is not an immediate neighbour of P. Who sits third to the right of Q?

A. C

B. B

C. F ✓

D. P

Q60 General Intelligence & Reasoning

Aman starts from Point M and drives 8 km towards the north. He then takes a left turn, drives 5 km, turns left and drives 13 km. He then takes a right turn and drives 5 km. He then takes a right turn and drives 16 km. He takes a final right turn, drives 10 km and stops at Point P. How far (shortest distance) and in which direction is Point P with respect to Point M? (All turns are 90-degree turns only unless specified.)

A. 11 km towards the north ✓

B. 6 km towards the south

C. 9 km towards the south

D. 3 km towards the north

Q61 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. HE–JF

B. KH–MI

C. NK–PL

D. FC–HE ✓

Q62 General Intelligence & Reasoning

YPMG is related to VKJB in a certain way based on the English alphabetical order. In the same way, MVAM is related to JQXH. To which of the following options is DGRX related, following the same logic?

A. ABPO

B. APLO

C. ABOS ✓

D. ABOI



Q63 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All Zucchinis are Leeks.
All Leeks are Radishes.
Some Radishes are Celeries.

Conclusions:

(I) All Leeks are Celeries.
(II) Some Radishes are Zucchinis.

- A. Only conclusion (I) follows.
B. Both conclusions (I) and (II) follow.
C. Only conclusion (II) follows. ✓
D. Neither conclusion (I) nor (II) follows.

Q64 General Intelligence & Reasoning

What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$223 \div 4 + 164 \times 2 - 37 = ?$$

- A. 847 ✓
B. 837
C. 811
D. 826

Q65 General Intelligence & Reasoning

Which letter cluster will replace the question mark (?) to complete the given series?

IDR GEO EFL CGI ?

- A. BGF
B. BHE
C. AHE
D. AHF ✓

Q66 General Intelligence & Reasoning

Refer to the following series and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers only.)

(Left) 7 8 7 4 1 3 5 2 3 2 6 9 3 6 1 7 1 1 8 8 6 2 6 (Right)

How many such odd digits are there each of which is immediately preceded by an odd digit and also immediately followed by an even digit?

- A. Two
B. Three ✓
C. One
D. Four

Q67 General Intelligence & Reasoning

Which of the given letter-number clusters will replace the question mark (?) in the following series to make it logically complete?

MP33 KN41 IL49 GJ57 ?

- A. EH66
B. EG65
C. EG66
D. EH65 ✓

Q68 General Intelligence & Reasoning

In a certain code language, 'OVAL' is coded as '9573' and 'LAVS' is coded as '3657'. What is the code for 'S' in the given code language?

- A. 3
B. 7
C. 5
D. 6 ✓

Q69 General Intelligence & Reasoning

A, B, C, D, W, X and Y are sitting around a circular table facing the centre of the table. A sits third to the left of X. Only one person sits between X and C when counted from the left of C. Only two people sit between B and W when counted from the right of W. D is an immediate neighbour of B. Who sits third to the right of Y?

- A. A ✓
B. C
C. W
D. D



Q70 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

20 25 15 20 10 ?

A. 15



B. 25

C. 5

D. 20

Q71 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series to make it logically complete?

10 20 31 43 56 ?

A. 66

B. 70



C. 63

D. 62

Q72 General Intelligence & Reasoning

P, Q, R, S, T and U are sitting around a circular table facing the centre. R sits on the immediate left of U. S sits second to the right of T. P sits second to the left of R. How many people sit between R and Q when counted from the right of R?

A. 0

B. 2

C. 1



D. 3

Q73 General Intelligence & Reasoning

Seven boxes, A, B, C, D, I, J and K, are kept one over the other, but not necessarily in the same order. Only A is kept above I. Only two boxes are kept between I and C. Only K is kept below J. D is not kept immediately above C.

How many boxes are kept between B and K?

A. Four

B. Two



C. One

D. Three

Q74 General Intelligence & Reasoning

If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 51784563, then how many digits will appear more than once in the new number thus formed?

A. None

B. Three



C. Two

D. One

Q75 General Intelligence & Reasoning

Refer to the number series given below and answer the question that follows. Counting to be done from left to right only.

(NOTE: All numbers are single-digit numbers only.)

(Left) 7 3 6 1 9 8 4 4 8 6 1 9 1 6 5 5 5 1 4 1 8 4 4 3 3 7
(Right)

How many such even numbers are there each of which is immediately preceded by an odd number and also immediately followed by an odd number?

A. 4

B. 2

C. 3



D. 5

Q76 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

73 63 53 43 33 ?

A. 22

B. 23



C. 24

D. 21



Q77 General Intelligence & Reasoning

Refer to the number series given below and answer the question that follows. Counting to be done from left to right only.

(NOTE: All numbers are single-digit numbers only.)

(Left) 8 3 5 8 4 7 3 3 4 9 9 1 8 5 4 9 2 6 4 7 2 5 1 2 1 4 6
(Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

A. 2



B. 4

C. 5

D. 3

Q78 General Intelligence & Reasoning

A man starts from Point A and drives 9 km towards north. He then takes a right turn, drives 15 km, turns right and drives 18 km. He then takes a right turn and drives 23 km. He takes a final right turn, drives 9 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified)

A. 5 km to the north

B. 8 km to the east



C. 6 km to the south

D. 7 km to the west

Q79 General Intelligence & Reasoning

In a certain code language,

A + B means 'A is the daughter of B',

A - B means 'A is the brother of B',

A x B means 'A is the wife of B' and

A ÷ B means 'A is the father of B'.

Based on the above, how is D related to J if 'D + F - G ÷ H x J'?

A. Wife's father's brother's wife

B. Wife's father's brother's daughter



C. Wife's mother's brother's daughter

D. Wife's mother's brother's wife

Q80 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 7 1 8 3 3 1 5 4 8 5 1 4 4 9 5 9 6 8 7 3 5 3 6 6 9 (Right)

How many such numbers are there, each of which is immediately preceded by a perfect square and also immediately followed by a perfect square? (Note: 1 is also a perfect square.)

A. One

B. Four



C. Five

D. Three

General Awareness

20 Questions • Answer Key

Q81 General Awareness

As on November 2024, how many Khelo India Athletes received coaching, equipment, medical care, and Out of Pocket Allowance (OPA)?

A. 2781



B. 2509

C. 3087

D. 2000

Q82 General Awareness

For Athletics in 2025, what is the age eligibility range for boys' and girls' selection trials at SAI Chennai?

A. 10 to 16 years

B. 11 to 19 years

C. 14 to 20 years

D. 12 to 18 years

**Q83 General Awareness**

Who received the Sahitya Akademi Translation Prize (awarded in March 2025) for translating Himanshi Joshi's Tere Liye into Punjabi as Tere Laee?

A. Anjan Sarma

B. Chandan Negi



C. Srinivas Murmu

D. Suvash Satpathy

Q84 General Awareness

Against which country's wrestler did Antim Panghal win her bronze medal match at the Asian Wrestling Championships, 2025?

A. Kazakhstan

B. China

C. Chinese Taipei



D. Japan



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Q85 General Awareness

Which Indian city was ranked the most polluted globally in the World Air Quality Report, 2024, released in March 2025?

A. Byrnihat



B. Mumbai

C. Gurugram

D. Delhi

Q86 General Awareness

In September 2025, the Ministry of Environment, Forest, and Climate Change introduced which of the following to enhance environmental compliance and governance?

A. Sustainable Practices and Audit Guidelines, 2025

B. Environment Audit Rules, 2025



C. Green Business Certification Framework, 2025

D. Environmental Sustainability and Compliance Rules, 2025

Q87 General Awareness

Who was appointed as the RBI Deputy Governor in April 2025, becoming one of the key figures in shaping India's financial and monetary policy?

A. Arundhati Bhattacharya

B. Shaktikanta Das

C. Poonam Gupta



D. Nirmala Sitharaman

Q88 General Awareness

In August 2025, NITI Aayog unveiled an innovative framework to evaluate and compare the advancement of States and Union Territories towards their Electric Mobility objectives named _____.

A. National E-Mobility Mission Plan Index

B. India Electric Mobility Index



C. Sustainable Transport Index

D. Electric Vehicle Advancement Index

Q89 General Awareness

In June 2025, Consumer Price Index (CPI) of India inflation for the financial year 2025-26 was projected at:

A. 5.7%

B. 6.7%

C. 4.7%

D. 3.7%

**Q90 General Awareness**

In June 2025, West Bengal planned to make 800 km green wall along which of the following states, intercepting pollutants entering the State?

A. Assam

B. Chhattisgarh

C. Mizoram

D. Jharkhand

**Q91 General Awareness**

Which of the following banks of India extended the operating hours of the call money market to 7 PM, from 1 July 2025?

A. Bandhan Bank

B. State Bank of India

C. Reserve Bank of India



D. Bank of Baroda

Q92 General Awareness

What is the main purpose of the 'Model Rules for Felling Trees in Agricultural Lands', released in 2025?

A. Increasing tax on agricultural produce

B. Easing business in agroforestry by streamlining rules



C. Banning agroforestry in rural areas

D. Promoting urban farming only

Q93 General Awareness

In June 2025, which two countries participated in Exercise SHAKTI, a biennial training engagement?

A. Sri Lanka and the Maldives

B. Afghanistan and China

C. Nepal and Bhutan

D. India and France

**Q94 General Awareness**

In June 2025, which educational institution signed an MoU with VRDE to collaborate on advanced defence technologies?

A. Rajasthan Technical University

B. COEP Technological University, Pune



C. Indian Institute of Science, Bengaluru

D. National Institute of Technology, Warangal



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Q95 General Awareness

Who is the author of the book 'India: 5,000 Years of History on the Subcontinent', published in June 2025?

- A. Patrick French
- B. John Zubrzycki
- C. Audrey Truschke
- D. William Dalrymple



Q96 General Awareness

What was India's rank in the Corruption Perceptions Index (CPI), 2024?

- A. 85th
- B. 96th
- C. 101st
- D. 93rd



Q97 General Awareness

When did Defence Research and Development Organisation (DRDO) and the Indian Navy conduct the successful flight-test of indigenously-developed Vertically-Launched Short-Range Surface-to-Air Missile (VLSRSAM) from the Integrated Test Range (ITR), Chandipur off the coast of Odisha?

- A. January 2, 2025
- B. July 16, 2025
- C. March 26, 2025
- D. May 20, 2025



Q98 General Awareness

Who authored 'Careless People: A Cautionary Tale of Power, Greed, and Lost Idealism', published in 2025?

- A. Alexandra Winslow-Meyer
- B. Sarah Wynn-Williams
- C. Susannah Wynn-Wallace
- D. Samantha Wynne-Williamson



Q99 General Awareness

Which city in Madhya Pradesh hosted the foundation stone ceremony of India's first PM MITRA Park, attended by Prime Minister Narendra Modi?

- A. Bhopal
- B. Indore
- C. Gwalior
- D. Dhar



Q100 General Awareness

Who won the men's singles title at the 2025 French Open, held in June 2025?

- A. Alexander Zverev
- B. Novak Djokovic
- C. Jannik Sinner
- D. Carlos Alcaraz



General Science

25 Questions • Answer Key

Q1 General Science

A convex lens is thicker at the middle compared to the edges. Due to this shape, how does it affect parallel light rays passing through it?

- A. It causes the rays to reflect back along the same path
- B. It causes the rays to meet at a point, performing a converging action ✓
- C. It causes the rays to spread out, performing a diverging action
- D. It causes the rays to scatter randomly

Q2 General Science

The key difference between rough endoplasmic reticulum and smooth endoplasmic reticulum is the presence of:

- A. ribosomes ✓
- B. cytosol
- C. centrosomes
- D. mitochondria

Q3 General Science

If the net force on a 10 kg object is zero, its acceleration will be:

- A. Depends on its velocity
- B. 9.8 m/s^2
- C. 0 m/s^2 ✓
- D. 10 m/s^2

Q4 General Science

Which of the following cell organelles stores starch, oil and protein granules?

- A. Chromoplast
- B. All plastids
- C. Leucoplast ✓
- D. Chloroplast

Q5 General Science

Which of the following shows the strongest force of attraction between particles?

- A. Water
- B. Iron rod ✓
- C. Alcohol
- D. Oxygen gas

Q6 General Science

If the mass of two objects is halved and the distance between them is also halved, the gravitational force

- A. becomes double
- B. becomes half as much
- C. becomes one-fourth as much
- D. remains same as before ✓

Q7 General Science

Which of the following terms is used to describe the ability of a plant to recover its lost parts by growth?

- A. Regeneration ✓
- B. Budding
- C. Fertilisation
- D. Binary fission

Q8 General Science

Which of the following elements has atomic number 11?

- A. Sodium ✓
- B. Potassium
- C. Nitrogen
- D. Magnesium

Q9 General Science

Which of the following statements about ethanol is correct?

- A. Ethanol reacts with sodium to form carbon dioxide.
- B. Ethanol is a liquid with a pleasant smell and is miscible with water. ✓
- C. Ethanol is a non-volatile solid.
- D. Ethanol does not dissolve in water.



Q10 General Science

What does the area under a velocity-time graph give?

- A. Force
- B. Acceleration
- C. Displacement ☒
- D. Work done

Q11 General Science

The poultry birds grown for the purpose of meat production are called _____.

- A. Fowls
- B. Broilers. ☒
- C. Layers.
- D. Cocks.

Q12 General Science

Which of the following is NOT a trait Mendel studied in pea plants?

- A. Seed shape
- B. Leaf size ☒
- C. Plant height
- D. Flower position

Q13 General Science

The number of neutrons in an oxygen atom is:

- A. 7
- B. 8 ☒
- C. 16
- D. 32

Q14 General Science

When ester is treated with sodium hydroxide, alcohol and sodium salt of carboxylic acid is formed. What is the process called?

- A. Hydrogenation
- B. Esterification
- C. Acidification
- D. Saponification ☒

Q15 General Science

The speed of sound in air is about 343 m/s at room temperature. What happens to its speed when it travels through water?

- A. It becomes zero
- B. It increases ☒
- C. It remains the same
- D. It decreases

Q16 General Science

A ray of light passing through the principal focus of a convex lens emerges:

- A. parallel to the principal axis ☒
- B. without deviation
- C. towards the optical centre
- D. back to the source

Q17 General Science

Which of the following characteristics correctly describes skeletal (striated) muscles?

- A. Short, cylindrical, branched cells with intercalated discs
- B. Spindle-shaped, uninucleate cells, involuntary control
- C. Branched, uninucleate cells, involuntary control
- D. Long, cylindrical, unbranched, multinucleate cells, voluntary control ☒

Q18 General Science

Which of the following wires will have the least resistance if all are made of the same material?

- A. Short and thin wire
- B. Long and thin wire
- C. Long and thick wire
- D. Short and thick wire ☒

Q19 General Science

Why do recessive traits like 't' for dwarfness in pea plants only show up when both alleles are recessive?

- A. Dominant alleles mask recessive alleles. ☒
- B. Recessive alleles are stronger.
- C. Recessive alleles cannot be passed on.
- D. Recessive alleles are never expressed.



Q20 General Science

Which of the following is the irrigation method in which water is tap from deeper strata by pumps?

- A. Canals
- B. Tube wells
- C. River life system
- D. Rain-fed

Q21 General Science

If a porter carrying a load on his head moves on a horizontal road with uniform speed, the work done by the gravitational force on the load:

- A. is zero
- B. is minimum
- C. is maximum
- D. cannot be determined

Q22 General Science

Read the following statements carefully and select the correct option.

Assertion (A): Decomposition reactions require energy in the form of heat, light, or electricity.

Reason (R): Energy is absorbed to break down reactant molecules into simpler products.

- A. Both A and R are true, and R is the correct explanation of A.
- B. A is false, but R is true.
- C. A is true, but R is false.
- D. Both A and R are true, and R is not the correct explanation of A.

Q23 General Science

The phenomenon of change of a liquid into vapour at any temperature below its boiling point is called:

- A. evaporation
- B. sublimation
- C. solidification
- D. condensation

Q24 General Science

When the same current flows through two wires of equal length but different resistances, the wire with higher resistance will:

- A. Produce less heat
- B. Produce more heat
- C. Produce no heat
- D. Produce the same heat

Q25 General Science

An organic compound always contains which of the following?

- A. Silicon and phosphorus atoms
- B. At least one carbon atom
- C. Halogens and noble gases
- D. Hydrogen, oxygen and nitrogen

Mathematics

25 Questions • Answer Key

Q26 Mathematics

If $A : B = 1 : 3$, $B : C = 4 : 3$ and $C : D = 5 : 7$, then $A : B : C : D$ is:

- A. 18 : 60 : 45 : 63
- B. 20 : 60 : 43 : 63
- C. 20 : 58 : 45 : 63
- D. 20 : 60 : 45 : 63

Q27 Mathematics

One pipe can fill a tank in 6 minutes while another pipe can empty the completely filled tank in 24 minutes. If both the pipes are opened together when the tank is empty, how many minutes will it take to fill one-fourth of the tank?

- A. 6
- B. 2
- C. 8
- D. 4



Q28 Mathematics

Aaron is 5 years younger than Ron. Four years later from now, Ron will be twice as old as Aaron. Find Ron's present age.

A. 5 years

B. 6 years



C. 7 years

D. 8 years

Q29 Mathematics

To buy a car, Taniya borrowed ₹75,000 at 8% per annum simple interest for 27 months. How much interest will she pay?

A. ₹14,000

B. ₹13,500



C. ₹13,000

D. ₹12,500

Q30 Mathematics

Rohit bought a bicycle for ₹3,200 and sold it for ₹3,840. What is his profit percentage?

A. 18%

B. 25%

C. 20%



D. 22%

Q31 Mathematics

Determine the largest number that divides both 1058 and 1550, leaving remainders of 5 and 11, respectively.

A. 81



B. 86

C. 88

D. 83

Q32 Mathematics

If the third proportional of 50 and 30 be x , then what is the value of x ?

A. 21

B. 18



C. 15

D. 20

Q33 Mathematics

A number when doubled and increased by 7 becomes 29. Find the number.

A. 14

B. 12

C. 15

D. 11

**Q34 Mathematics**

A number is first decreased by 35% and then further decreased by 25%. By what percentage has the original number been decreased altogether?

A. 50%

B. 53.25%

C. 55%

D. 51.25%

**Q35 Mathematics**

A rectangular garden is 50 m long and 40 m wide. A path of uniform width is laid inside the garden along its boundary. If the area of the path is 344 m^2 , find the perimeter of the inner rectangle.

A. 136 m

B. 140 m

C. 148 m

D. 164 m

**Q36 Mathematics**

A person saves 60% of his income. If his expenditure is ₹480, then his income (in ₹) is:

A. 2880

B. 1200



C. 1920

D. 1240

Q37 Mathematics

The points scored by a basket-ball team in a series of matches are as follows:

17, 2, 7, 27, 25, 5, 14, 18, 10, 24, 10, 8, 7, 10.

The value of mode is:

A. 4

B. 10



C. 17

D. 7



Q38 Mathematics

The cost of a washing machine is 10% less than the cost of a TV. If the cost of the washing machine increases by 55% and that of the TV decreases by 71%, then what is the percentage change in the total cost of 6 washing machines and 3 TVs?

- A. Increase by 12%
- B. Decrease by 11%
- C. Decrease by 13%
- D. Increase by 10% ✓

Q39 Mathematics

A dealer marks his goods at 80% above the cost price and allows a discount of 5% on the marked price. What is his gain or loss percentage?

- A. 72% loss
- B. 74.2% loss
- C. 71% gain ✓
- D. 71.3% gain

Q40 Mathematics

Simplify: $3 \times 2 + 12 \div (6 - 2) \times 2$

- A. 12 ✓
- B. 18
- C. 21
- D. 15

Q41 Mathematics

A class of 95 students took a Physics test. 47 students had an average score of 93. The other students had an average score of 54. What is the average score (rounded off to one decimal place) of the whole class?

- A. 83.7
- B. 65.6
- C. 73.3 ✓
- D. 79.7

Q42 Mathematics

What is the average speed of a car that covers half the distance at the speed of 84 km/hr and the other half at the speed of 63 km/hr?

- A. 68 km/hr
- B. 69 km/hr
- C. 79 km/hr
- D. 72 km/hr ✓

Q43 Mathematics

The sides of a triangle are 146 cm, 96 cm, and 110 cm. What is its area (in cm^2)?

- A. 5296
- B. 5280 ✓
- C. 5290
- D. 5275

Q44 Mathematics

A vendor offers her customers a discount of 15% on her beauty products and she still makes a profit of 5%. What is the cost price (in ₹) of a beauty product marked at ₹273?

- A. 166
- B. 221 ✓
- C. 247
- D. 219

Q45 Mathematics

Walking at $\frac{3}{4}$ th of his normal speed from his home, Bhavesh is 15 minutes late in reaching his office.

The usual time taken by him to cover the distance between his home and his office is:

- A. 38 minutes
- B. 45 minutes ✓
- C. 43 minutes
- D. 54 minutes



Q46 Mathematics

1324

A. 3

B. 1

C. 2



D. 4

Q47 Mathematics

If $\cot A = \frac{3}{4}$, the find the value of $3\sin 2A - \cos 3A$ is:

A. 497/125

B. 437/125

C. 477/125



D. 417/125

Q48 Mathematics

In a $\triangle MNR$, the sides MN and MR are extended to P and Q , respectively.
The bisectors of $\angle PNR$ and $\angle QRN$ intersect at a point X .
If $\angle X = 75^\circ$, then the value of $2\angle M$ is:

A. 56°

B. 50°

C. 60°



D. 66°

Q49 Mathematics

If $\alpha + \beta = 14$ and $\alpha\beta = 20$, then what is the value of $(\alpha^2 + \beta^2)^{\frac{1}{2}}$?

A. $2\sqrt{39}$



B. $39\sqrt{2}$

C. 236

D. 156



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Q50 Mathematics

Aditya can do $\frac{1}{6}$ th of a piece of work in 13 days and Bhagawan can do $\frac{1}{9}$ th of the same work in 12 days. Find the number of days taken to complete the work if both work together.
(Round off your answer to one decimal place.)

A. 51.4

B. 45.3

C. 47.5

D. 41.9

**General Intelligence & Reasoning**

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. RM-PT

B. LG-JN

C. ID-GL

D. OJ-MQ

**Q52 General Intelligence & Reasoning**

If + means -, - means ×, × means ÷ and ÷ means +, then what will come in place of the question mark (?) in the following equation?

$$221 - 5 \div 47 + 842 \times 2 = ?$$

A. 721

B. 741

C. 711

D. 731

**Q53 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

2001 2010 2018 2025 2031 ?

A. 2036

B. 2035

C. 2034

D. 2037

**Q54 General Intelligence & Reasoning**

Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) 3 % * 2 @ & 5 1 @ 6 7 1 6 # # £ 8 8 # \$ £ € (Right)

How many such numbers are there, each of which is immediately preceded by a number and also immediately followed by a symbol?

A. 2

B. 3

C. 4

D. 5

**Q55 General Intelligence & Reasoning**

C, D, E, G, H, I and J are sitting around a circular table facing the centre of the table. Only two people sit between E and G when counted from the left of G. C sits third to the left of J. D sits to the immediate right of J. D sits second to the left of E. I is not an immediate neighbor of C. Who sits third to the right of H?

A. G

B. J

C. D

D. I

**Q56 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

12, 23, 45, 78, 122 ?

A. 179

B. 177

C. 176

D. 178



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Q57 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

1001 1000 997 992 985 ?

A. 977

B. 978

C. 976



D. 975

Q58 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 1 8 2 9 7 6 2 4 8 3 4 6 1 9 4 2 7 4 3 5 9 8 3 5 2 4 8
(Right)

How many such even digits are there, each of which is immediately preceded by an even digit and also immediately followed by an even digit?

A. More than three

B. Two

C. One

D. Three

**Q59 General Intelligence & Reasoning**

Town M is to the east of Town N. Town O is to the south of Town M. Town P is to the west of Town O. Town Q is to the north of Town P. Town N is to the north-west of Town Q. What is the location of Town M with respect to Town Q?

A. North-west

B. East

C. North-east



D. North

Q60 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All hotels are restaurants.

All restaurants are cafes.

Some restaurants are kitchens.

Conclusions:

(I) Some cafes are kitchens.

(II) Some hotels are kitchens.

A. Neither conclusion (I) nor (II) follows.

B. Both conclusions (I) and (II) follow.

C. Only conclusion (II) follows.

D. Only conclusion (I) follows.

**Q61 General Intelligence & Reasoning**

Refer to the given series and answer the question that follows. All numbers are single digit numbers only. Counting to be done from left to right.

(Left) 3 2 5 4 6 2 5 3 9 7 4 5 1 1 5 2 3 3 8 8 4 4 6 3 1 6
(Right)

How many such even numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

A. 4

B. 2

C. 3



D. 5

Q62 General Intelligence & Reasoning

In a certain code language,

A + B means 'A is the sister of B',

A @ B means 'A is the brother of B',

A - B means 'A is the wife of B',

and A # B means 'A is the father of B'.

How is O related to V if 'O + P @ T # G - V'?

A. Wife's father's sister



B. Wife's sister

C. Wife's father's mother

D. Wife's mother



Q63 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All patties are cake.
All cakes are samosa.

Conclusions:

(I): Some samosas are cake.
(II): All patties are samosa.

A. Both conclusions (I) and (II) follow



B. Neither conclusion (I) nor (II) follows

C. Only conclusion (I) follows

D. Only conclusion (II) follows

Q64 General Intelligence & Reasoning

Ayush ranked 28th from the top and 46th from the bottom in his class. How many students are there in his class?

A. 71

B. 72

C. 73



D. 74

Q65 General Intelligence & Reasoning

In a certain language, 'basket is green' is coded as 'ns tu nm' and 'the green planet' is coded as 'ti ns fd'. How is 'green' coded in that language?

A. ns



B. nm

C. fd

D. ti

Q66 General Intelligence & Reasoning

Pritika ranked 12th from the top and 26th from the bottom in his class. How many students are there in the class?

A. 35

B. 47

C. 45

D. 37

**Q67 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

VMN SNP POR MPT ?

A. IQV

B. JQV



C. IQU

D. JQU

Q68 General Intelligence & Reasoning

In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

INFO - NFIO - OFNI
OATH - ATOH - HTAO

A. ALSO - ASLO - OSLA

B. REST - ESRT - TSER



C. TINS - INTS - INST

D. PLAY - LPAY - YLAP

Q69 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(24, 12, 2)
(70, 5, 14)

A. (19, 5, 45)

B. (13, 39, 3)

C. (32, 16, 2)



D. (60, 6, 12)

Q70 General Intelligence & Reasoning

What will come in the place of '?' in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$67 - 13 \div 104 \times 26 + 93 = ?$

A. 29

B. 25

C. 27

D. 26



Q71 General Intelligence & Reasoning

What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$141 \div 8 + 384 \times 2 - 43 = ?$$

A. 979



B. 953

C. 982

D. 912

Q72 General Intelligence & Reasoning

SDVT is related to WIAX in a certain way based on the English alphabetical order. In the same way, IXPJ is related to MCUN. To which of the given options is UMEV related, following the same logic?

A. YRZS

B. YRJZ



C. TZXS

D. YUIO

Q73 General Intelligence & Reasoning

In a certain code language, 'morning sun rises' is coded as 'at bp kj' and 'rises every day' is coded as 'lm at vv'. How is 'rises' coded in that language?

A. lm

B. kj

C. bp

D. at

**Q74 General Intelligence & Reasoning**

Dhanya starts from Point A and drives 9 km towards south. She then takes a left turn, drives 11 km, turns left and drives 2 km. She then takes a left turn and drives 4 km. She takes a final right turn, drives 7 km and stops at Point P. How far (shortest distance) and towards which direction should she drive in order to reach Point A again?

(Note: All turns are 90° turns only unless specified.)

A. 7 km towards west



B. 9 km towards south

C. 8 km towards east

D. 7 km towards north

Q75 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

ELN 55, HPK 62, KTH 69, NXE 76, ?

A. QBB 83



B. QCA 81

C. RAB 81

D. PBC 83

Q76 General Intelligence & Reasoning

Six people, L, M, N, O, P and Q, are sitting in a straight line facing towards north. N is sitting at the leftmost end of the row. Only 3 people are sitting between N and Q. L is sitting second right to P. M is sitting second right to L. Based on the given arrangement three of the following four are alike, find the odd one out?

A. NO

B. LM

C. OP



D. PL

Q77 General Intelligence & Reasoning

VQLG is related to ZUPK in a certain way based on the English alphabetical order. In the same way, UPKF is related to YTOJ. To which of the given options is RMHC related, following the same logic?

A. VPLF

B. UQKG

C. UPKF

D. VQLG

**Q78 General Intelligence & Reasoning**

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 6 3 6 9 9 4 4 1 7 5 6 2 1 6 6 6 6 8 8 2 9 1 5 (Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

A. One

B. Two



C. Three

D. Four



Q79 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. TQR

B. LIJ

C. OMM



D. XUV

Q80 General Intelligence & Reasoning

M, N, O, P, W, X and Y are sitting around a circular table facing the centre of the table.

O sits to the immediate right of P. Only three people sit between O and Y when counted from the left of O. Only three people sit between P and N when counted from the left of P. W sits to the immediate right of M. How many people sit between X and M when counted from the left of M?

A. Two



B. Three

C. One

D. Four

General Awareness

20 Questions • Answer Key

Q81 General Awareness

What is the primary function of Rajasthan's MadhuNetr DR-AI system launched by the state health department in 2025?

A. An AI system for diabetic retinopathy screening



B. A blockchain system for managing patient records

C. A telemedicine platform for rural teleconsultations

D. An AI tool for monitoring heart health remotely

Q84 General Awareness

Which new index, presented in March 2025 by the International Finance Forum, evaluates global AI competitiveness?

A. AGILE Index

B. Global AI Competitiveness Index



C. AI Governance Index

D. Global AI Vibrancy Index

Q82 General Awareness

What was the main objective of the 4th BIMSTEC Disaster Management Exercise hosted virtually by the National Disaster Management Authority in July 2025?

A. To test joint response protocols for natural disasters across member nations

B. To strengthen regional cooperation in early warning systems

C. To develop a unified framework for reconstruction planning

D. To assess and enhance regional preparedness for cyclones and floods

**Q85 General Awareness**

The Indian Armed Forces participated in the multilateral Exercise ZAPAD 2025 in which country?

A. Russia



B. China

C. United Kingdom

D. United States

Q83 General Awareness

What does the letter 'G' stand for in the term 'G20', as referred to in the second G20 Digital Economy Working Group meeting held in 2025 in South Africa?

A. Group



B. Government

C. Growth

D. Global

Q86 General Awareness

In April 2025, under which campaign did the Reserve Bank of India launch its official WhatsApp channel to promote digital safety and literacy?

A. RBI Kehta Hai



B. RBI Secure

C. RBI for All

D. RBI Cares



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Q87 General Awareness

On 2 November 2025, the Indian Space Research Organisation (ISRO) deployed the advanced naval communication satellite GSAT-7R (CMS-03) into orbit from which launch site?

- A. UR Rao Satellite Centre, Bengaluru
- B. Thumba Equatorial Rocket Launching Station, Thumba
- C. Satish Dhawan Space Centre, Sriharikota ✓
- D. Vikram Sarabhai Space Centre, Thiruvananthapuram

Q88 General Awareness

In January 2025, the Reserve Bank of India (RBI) lifted restrictions on which two Non-Banking Financial Companies (NBFCs)?

- A. Navi Finserv and Shriram Finance
- B. Arohan and Muthoot Finance
- C. Asirvad Microfinance and DMI Finance ✓
- D. DMI Finance and Muthoot Finance

Q89 General Awareness

As reported by Feeding India (an NGO) in June 2025, the big fat Indian wedding is quietly triggering a climate chaos by adding which of the following gases in the atmosphere?

- A. Hydrofluorocarbons
- B. Carbon Monoxide
- C. Methane ✓
- D. Nitrous Oxide

Q90 General Awareness

Which of the following initiative by the Ministry of Electronics and Information Technology (MeitY) specifically announced that India's 'common compute capacity' has crossed 34,000 GPUs to boost indigenous AI foundation-model development?

- A. IndiaAI Mission ✓
- B. Atmanirbhar Bharat Abhiyan
- C. Electronics Component Manufacturing Scheme
- D. Digital India AI Programme

Q91 General Awareness

What does PYKKA stand for in the context of sports?

- A. Panchayat Yuva Krida Aur Khel Abhiyan ✓
- B. Panchayat Yojana Kendra for Kids Activities
- C. Primary Youth Khel Ka Abhiyan
- D. Public Youth Krida Kendra Abhiyan

Q92 General Awareness

Which organisation planned a big safety drill called 'Operation Abhyaas' in May 2025 to help people prepare for emergencies?

- A. National Disaster Management Authority (NDMA) ✓
- B. Department of Military Affairs (DMA)
- C. Defence Equipment Exporters Association (DEEA)
- D. Defence Research and Development Organisation (DRDO)

Q93 General Awareness

Which Section of the Waqf (Amendment) Act, 2025, ensures that women are NOT excluded from Waqf property inheritance?

- A. Section 3A(2) ✓
- B. Section 4B
- C. Section 2C (2)
- D. Section 9F

Q94 General Awareness

Who received the Sporting Icon Award at the 2025 Laureus ceremony?

- A. Usain Bolt
- B. Rafael Nadal ✓
- C. Novak Djokovic
- D. Serena Williams

Q95 General Awareness

In which of the following places was the Round Table Discussion on improving female workforce participation in India, organised by the Ministry of Labour and Employment and the Lal Bahadur Shastri National Academy of Administration, held in March 2025?

- A. Mussoorie ✓
- B. Nainital
- C. Dalhousie
- D. Shimla

Q96 General Awareness

Who authored the book "Careless People: A Cautionary Tale of Power, Greed, and Lost Idealism" released in March 2025?

- A. Sheryl Sandberg
- B. Simon Sinek
- C. Boria Majumdar
- D. Sarah Wynn-Williams ✓



Q97 General Awareness

In February 2025, who broke the world indoor 800 m American record with a time of 1:43.90 at Millrose?

- A. Bryce Hoppel
- B. Josh Hoey
- C. Cooper Lutkenhaus
- D. Will Sumner



Q98 General Awareness

What does the term 'Blue Washing' refer to as per the News reports in 2025?

- A. The practice of portraying polluting industries as environmentally-friendly
- B. Using blue-coloured chemicals in industries
- C. A new method for water purification
- D. Cleaning rivers to make them blue



Q99 General Awareness

Which Indian naval asset participated in the defense exercise La Pérouse 2025?

- A. INS Vikrant
- B. INS Satpura
- C. INS Arihant
- D. INS Mumbai



Q100 General Awareness

Where was the All India Masters Ranking Badminton Tournament 2025 held from 22-29 January 2025?

- A. Hyderabad, Telangana
- B. Bangalore, Karnataka
- C. Mumbai, Maharashtra
- D. Panchkula, Haryana



General Science

25 Questions • Answer Key

Q1 General Science

Which of the following devices does NOT use the heating effect of current for its working?

- A. Electric Iron
- B. Electric Geyser
- C. Electric Mixer Grinder ✓
- D. Electric Fuse

Q2 General Science

Which component of phloem is basically responsible for the translocation of food?

- A. Sieve elements ✓
- B. Phloem fibres
- C. Companion cells
- D. Phloem parenchyma

Q3 General Science

What is required to describe the distance an object has travelled?

- A. Only the direction of motion
- B. Only the numerical value, which is its magnitude ✓
- C. The starting and ending points only
- D. Both magnitude and direction

Q4 General Science

What is the range of the pH scale?

- A. 0 to 14 ✓
- B. 0 to 10
- C. -1 to 14
- D. 0 to 7

Q5 General Science

The image formed by a convex mirror is always _____.

- A. real and inverted
- B. virtual and inverted
- C. virtual and erect ✓
- D. real and erect

Q6 General Science

Which of the following is NOT a consequence of the law of conservation of energy?

- A. Energy can be created to increase total energy of a closed system ✓
- B. Kinetic energy can convert into potential energy
- C. Total energy in a closed system remains constant
- D. Energy can be converted from one form to another

Q7 General Science

Which cell organelle is responsible for releasing energy in the form of ATP, which enables various metabolic functions in an animal cell?

- A. Lysosome
- B. Nucleus
- C. Endoplasmic reticulum
- D. Mitochondria ✓

Q8 General Science

Which of the following particles contribute to the mass number?

- A. Protons only
- B. Electrons only
- C. Electrons and Protons
- D. Protons and Neutrons ✓

Q9 General Science

Leucoplasts have which of the following colours?

- A. Orange
- B. Indigo
- C. Purple
- D. White ✓

Q10 General Science

What is corrosion most commonly observed as?

- A. Rust formation on iron objects ✓
- B. Melting of metal when heated
- C. Boiling of water in a kettle
- D. Glowing of a bulb



Q11 General Science

The main purpose of the earth wire in a domestic circuit is:

A. to protect from electric shocks



B. to reduce resistance

C. to supply current

D. to increase voltage

Q12 General Science

A body of mass 5 kg is moving with an acceleration of 2 m/s². What is the force acting on it?

A. 10 N



B. 7 N

C. 2 N

D. 5 N

Q13 General Science

What is the correct definition of atomic mass?

A. It is the mass of one atom in kilograms.

B. It is the mass of an atom in grams.

C. It is the mass relative to carbon-12 atom.



D. It is the mass of one hydrogen molecule.

Q14 General Science

Which of the following conditions will most effectively accelerate the corrosion of iron?

A. Iron immersed in pure water, free of dissolved oxygen

B. Iron surface in dry air with no impurities

C. Iron coated with a thin layer of zinc (galvanization)

D. Iron surface exposed to moist air containing dissolved salts

**Q15 General Science**

What is the advantage of fragmentation as a mode of reproduction in plants?

A. Forms spores for dispersal

B. Increases genetic diversity

C. Promotes bud formation

D. Brings about rapid multiplication

**Q16 General Science**

A student places an object at a distance greater than twice the focal length from a convex lens. What kind of image is formed?

A. Virtual, erect, and smaller than the object

B. Real, inverted, and larger than the object

C. Virtual, erect, and larger than the object

D. Real, inverted, and smaller than the object

**Q17 General Science**

Hormone named testosterone is secreted from which of the following parts of a human being?

A. Fallopian tube

B. Testis



C. Uterus

D. Ureter

Q18 General Science

A sound of 100 Hz is compared with a sound of 500 Hz. Which of the following statements is correct?

A. 500 Hz sound has a higher pitch.



B. 100 Hz sound has a higher pitch.

C. Both have the same pitch.

D. Pitch cannot be compared.

Q19 General Science

A village that regularly suffers from drought wants to store water for dry seasons to irrigate the agricultural field. Which method will help most?

A. Rainwater harvesting and watershed management



B. Spraying pesticides

C. Growing short-duration crops

D. Sprinkler irrigation

Q20 General Science

Which property of a carbon atom enables one carbon atom to form bonds with other carbon atoms?

A. Isomerisation

B. Valency

C. Catenation



D. Polymerisation



Q21 General Science

A 96 kg astronaut is standing on Earth. What is his weight on the Moon? (g on earth = 10 m/s^2)

A. 96 N

B. 960 N

C. 160 N



D. 16 N

Q22 General Science

Which of the following hydrocarbons is saturated?

A. Butene

B. Butane



C. Propene

D. Benzene

Q23 General Science

What is 'suspension' in chemistry?

A. A heterogeneous mixture with large particles



B. A true solution

C. A colloidal dispersion

D. A homogeneous mixture

Q24 General Science

How does the *Mimosa pudica* (touch-me-not) plant transmit the touch stimulus from the point of contact to the motor cells responsible for movement?

A. Through specialised nerve tissues connecting the points

B. Through electrical and chemical signals passed between general plant cells



C. By releasing hormones that travel through specialised tubes

D. Through growth of new supportive cells at the touch site

Q25 General Science

The importance of genetic variation in organisms is that _____.

A. it enables sexual reproduction

B. it leads to uniformity in the progeny

C. it increases the chances of survival of an organism



D. it gives rise to dominant and recessive traits

Mathematics

25 Questions • Answer Key

Q26 Mathematics

A person can cover a certain distance in 1 hour 24 minutes by covering one-fourth of the distance at 5 km/hr and the rest at 6 km/hr. Find the total distance (in km).

A. 12

B. 6

C. 8



D. 10

Q27 Mathematics

A dealer makes a profit of 40% even after giving a 26% discount on the advertised price of a bike. If he makes a profit of ₹5,698 on the sale of the bike, what is the advertised price (in ₹)?

A. 26,846

B. 26,952

C. 27,014

D. 26,950

**Q28 Mathematics**

Robert, Chris, and Jeremy can finish a certain piece of work in 16, 48, and 32 days, respectively. All three of them started the work together. Robert left the work after 2 days and Chris left just 4 days before the work was completed. Find the total number of days taken for the work to be completed.

A. 24.3

B. 18.4



C. 16.2

D. 17.7

Q29 Mathematics

A shopkeeper bought a chair for ₹750. He sold it at a 10% loss. What was the selling price of the chair?

A. ₹675



B. ₹740

C. ₹710

D. ₹640



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Q30 Mathematics

If 20% of a number is added to 78, then the result is the same number. 60% of the same number is:

A. 78.5

B. 58.5



C. 88.5

D. 68.5

Q31 Mathematics

If 4 lines of a print, in a column of a book, contain 63 words, how many words will a column of 64 lines contain?

A. 1018

B. 1008



C. 1004

D. 1012

Q32 Mathematics

From the top of a building 72.1 m high, the angle of depression to a car on the ground is 45° . Find the distance of the car from the foot of the building.

A. 124.73 m

B. 41.6 m

C. 81.2 m

D. 72.1 m

**Q33 Mathematics**

A rectangular park is 34 m long and 24 m wide. A path of uniform width runs inside it, surrounding a grassy lawn. If the area of the path is 216 m^2 , what is the perimeter of the grassy lawn?

A. 112 m

B. 96 m

C. 104 m

D. 100 m

**Q34 Mathematics**

A class of 30 students took a Physics test. Fourteen students had an average score of 98. The other students had an average score of 54. What is the average score (rounded up to one decimal place) of the whole class?

A. 74.5



B. 71.6

C. 76.9

D. 64.6

Q35 Mathematics

The mode of the observations 35, 21, 25, 21, 35, 32, 32, 30, 20, 35, 34, 35, 34, 25, 35, 33 and 25 is:

A. 32

B. 35



C. 25

D. 21

Q36 Mathematics

The cost of a washing machine is 50% less than the cost of a TV. If the cost of the washing machine increases by 64% and that of the TV decreases by 28%, then what is the percentage change in the total cost of 6 washing machines and 2 TVs?

A. Decrease by 27%

B. Increase by 27.2%



C. Increase by 29.4%

D. Decrease by 30%

Q37 Mathematics

A two-digit number is 7.75 times the sum of its digits. If its digits are reversed, the number decreases by 54. What is the original number?

A. 93



B. 71

C. 82

D. 60

Q38 Mathematics

A 793 m long train is running at 90 km/hr. How long will it take to clear a 782 m long platform completely?

A. 66 seconds

B. 61 seconds

C. 60 seconds

D. 63 seconds

**Q39 Mathematics**

If an item marked at ₹1,675 is sold for ₹1,273, then what is the discount percentage?

A. 24%



B. 26%

C. 25%

D. 22%



Q40 Mathematics

Simplify: $37^2 - 36^2 + 35^2 - 34^2 + 33^2 - 32^2$

A. 200

B. 207



C. 197

D. 211

Q41 Mathematics

Two banks, A and B, offered loans at 3.5% and 7% per annum, respectively. Rupesh borrowed an amount of ₹5,00,000 from each bank. Find the positive difference (in ₹) between the amounts of simple interest paid to the two banks by Rupesh after 4 years.

A. 71,000

B. 70,000



C. 71,500

D. 69,500

Q42 Mathematics

Given that C is the third proportional of 6 and B. If B is the sum of the first three even natural numbers, then find the value of C.

A. 23.39

B. 24.0



C. 26.31

D. 21.9

Q43 Mathematics

The sum of the ages of Ramesh and Suresh is 52 years. Ramesh's age is 4 years more than twice Suresh's age. What is Suresh's age?

A. 12 years

B. 16 years



C. 14 years

D. 15 years

Q47 Mathematics

Simplify: $100^{0.25} \times 5^2 \times 2^4 \times \frac{1}{800^{0.5}} \times \sqrt{\frac{1}{5}}$

A. 10

B. 25

C. 20



D. 40

Q44 Mathematics

A, B and C can do a piece of work in 2, 12 and 6 days, respectively. How long (in days) will they take to do thrice the same work, working together?

A. 5

B. 4



C. 12

D. 8

Q45 Mathematics

Amit and Deeksha together invested ₹56,100 in a business. At the end of the year, out of a total profit of ₹9,200, Amit's share was ₹2,300. How much was Amit's investment?

A. ₹12,370

B. ₹14,025



C. ₹14,690

D. ₹14,870

Q46 Mathematics

A trapezium-shaped field has an area of 720 m^2 , and the perpendicular distance between its parallel sides is 16 m. If one of the parallel sides is 25% more than the other parallel side, then the length of the smaller parallel side is ____.

A. 30 m

B. 50 m

C. 40 m



D. 60 m



Q48 Mathematics

Simplify $\frac{(0.36)^2 - (0.04)^2}{1.6}$.

- A. 1.8
- B. 1.2
- C. 0.08
- D. 0.8

**Q49 Mathematics**

Identify the correct set of angles of a triangle.

- A. $\{85^\circ, 30^\circ, 75^\circ\}$
- B. $\{120^\circ, 35^\circ, 25^\circ\}$
- C. $\{65^\circ, 45^\circ, 80^\circ\}$
- D. $\{95^\circ, 40^\circ, 85^\circ\}$

**Q50 Mathematics**

$\frac{1}{20}$ is what percentage of $\frac{11}{80}$? (Round off the answer to two decimal places.)

- A. 72.73%
- B. 36.36%
- C. 51.36%
- D. 46.36%

**General Intelligence & Reasoning**

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

WORD - WDRO - DROW
OATS - OSTA - STAO

- A. FOUR - FORU - OURF
- B. PART - PRAT - TRAP
- C. GIVE - GEVI - EVIG
- D. HERD - EHRD - DERH

**Q52 General Intelligence & Reasoning**

Which of the following letter-clusters will replace the question mark (?) in the given series to make it logically complete?

HZC, LDG, PHK, TLO, ?

- A. XQR
- B. XQS
- C. XPS
- D. XPR



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Q53 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(10, 150, 5)
(8, 96, 4)

A. (12, 288, 6)

B. (7, 98, 3)

C. (5, 54, 3)

D. (9, 162, 6)

**Q54 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

12 23 34 45 56 ?

A. 67



B. 65

C. 63

D. 61

Q55 General Intelligence & Reasoning

What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$351 \div 3 + 284 \times 4 - 11 = ?$

A. 993



B. 991

C. 999

D. 996

Q56 General Intelligence & Reasoning

Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north.

Only A sits to the left of D. Only four people sit between A and C. Only B sits between G and F, and G is not an immediate neighbour of C.

How many people sit to the right of G?

A. 4



B. 2

C. 3

D. 1

Q57 General Intelligence & Reasoning

This question is based on the five, three-digit numbers given below.

(Left) 715, 906, 570, 853, 418 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

NOTE - All operations to be done from left to right.

What will be the resultant if the third digit of the highest number is added to the second digit of the lowest number?

A. 13

B. 8

C. 7



D. 6

Q58 General Intelligence & Reasoning

In a certain code language,

A + B means 'A is the sister of B',

A @ B means 'A is the brother of B',

A - B means 'A is the wife of B',

and A # B means 'A is the father of B'.

How is O related to V if 'O - P # T @ G + V'?

A. Wife

B. Mother



C. Daughter

D. Sister

Q59 General Intelligence & Reasoning

If 3 is added to each odd digit and 2 is subtracted from each even digit in the number 8563546, then which of the following digits will be fourth from the left in the new number thus formed?

A. 8

B. 4

C. 6



D. 2

Q60 General Intelligence & Reasoning

Seven boxes, B, D, E, P, S, T and W, are kept one over the other, but not necessarily in the same order.

W is kept immediately above T. D is kept immediately above S. Only P is kept above B. Only two boxes are kept above W. D is not kept at the third position from the bottom. How many boxes are kept between E and P?

A. Three



B. Four

C. Two

D. One



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Q61 General Intelligence & Reasoning

Abhishek ranked 17th from the top and 49th from the bottom in his class. How many students are there in his class?

A. 65



B. 63

C. 64

D. 66

Q62 General Intelligence & Reasoning

AHKO is related to EKOR in a certain way based on the English alphabetical order. In the same way, QTAA is related to UWED. To which of the given options is CCMJ related, following the same logic?

A. GMJU

B. GQWE

C. GFQK

D. GFQM

**Q63 General Intelligence & Reasoning**

In a certain code language, 'BIRD' is coded as '2739' and 'DRIP' is coded as '3978'. What is the code for 'P' in the given code language?

A. 7

B. 3

C. 8



D. 9

Q64 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

58 51 44 37 30 ?

A. 25

B. 21

C. 22

D. 23

**Q65 General Intelligence & Reasoning**

A, B, C, D, E, F and G are sitting around a circular table, facing the centre. B sits to the immediate right of C. Only three people sit between B and A when counted from the left of B. Only three people sit between C and D when counted from the left of C. G sits to the immediate right of F. How many people sit between A and C when counted from the right of C?

A. 2

B. 4

C. 1

D. 3

**Q66 General Intelligence & Reasoning**

Refer to the following number series and answer the question that follows (all numbers are single digit numbers only). (Counting to be done from left to right only.)

(Left) 3 9 7 8 9 8 4 3 1 3 4 3 3 1 7 2 2 9 7 8 3 1 6 2 4 3 3
(Right)

How many such odd numbers are there each of which is immediately preceded by an odd number and also immediately followed by an even number?

A. 7

B. 6

C. 5



D. 4

Q67 General Intelligence & Reasoning

Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) £ \$ 9 3 4 9 7 £ % & # 7 3 1 8 7 5 * @ 4 £ \$ (Right)

How many such numbers are there, each of which is immediately preceded by a symbol and also immediately followed by a symbol?

A. 3

B. 2

C. 0

D. 1



Q68 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

LEX 14, OHA 23, RKD 32, UNG 41, XQJ 50, ?

A. ATM 57

B. AQM 59

C. ATM 59



D. AMT 59

Q69 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. ZXW

B. HFE

C. MLJ



D. GED

Q70 General Intelligence & Reasoning

If 'A' stands for '÷', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will be come in place of question mark '?' in the following equation?

22 D 55 A 5 C 14 B 8 = ?

A. 122

B. 123



C. 124

D. 121

Q71 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. EI-DG

B. MQ-LO

C. IM-HK

D. BF-AC

**Q72 General Intelligence & Reasoning**

O, P, Q, R, W, X and Y are sitting in a straight line facing north.

Only two people sit to the left of P. Only three people sit between P and W. Only one person sits between W and X. R sits to the immediate left of O. Y is not an immediate neighbour of W.

How many people sit to the right of Q?

A. Two

B. Four

C. One



D. Three

Q73 General Intelligence & Reasoning

In a certain code language, 'by the way' is coded as 'ts rd ui' and 'a long way' is coded as 'kl ui za'. How is 'way' coded in the given language?

(All codes are two-letter codes)

A. kl

B. rd

C. ui



D. ts

Q74 General Intelligence & Reasoning

Which of the following number will replace the question mark (?) in the given series?

24, 27, 35, 59, 107, 227, ?

A. 421

B. 358

C. 321

D. 395

**Q75 General Intelligence & Reasoning**

Town F is to the north of Town G. Town H is to the east of Town F. Town I is to the south of Town H. Town J is to the west of Town I. Town G is to the south-west of Town J. What is the position of Town F with respect to Town J?

A. South-east

B. North-east

C. North-west



D. South-west



Q76 General Intelligence & Reasoning

Refer to the following series and answer the question (all numbers are single-digit numbers only).

(Left) 8 3 2 6 7 5 4 3 9 1 8 2 5 (Right)

How many such odd numbers are there (from left to right), which are immediately followed by an odd number?

A. Three



B. Two

C. One

D. More than three

Q77 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statement(s).

Statements:

All jams are cobras.

All cobras are mats.

Conclusions:

(I) Some mats are cobras.

(II) All jams are mats.

A. Only conclusion (I) follows

B. Both conclusions (I) and (II) follow



C. Only conclusion (II) follows

D. Neither conclusion (I) nor (II) follows

Q78 General Intelligence & Reasoning

Town A is to the north of Town B. Town C is to the west of Town A. Town D is to the south of Town C. Town E is to the east of Town D. Town B is to the southeast of Town E. What is the position of Town E with respect to Town A?

A. Northeast

B. Northwest

C. Southwest



D. Southeast

Q79 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All eggs are artists.

Some mangoes are artists.

Conclusions:

(I): Some eggs are mangoes.

(II): Some artists are eggs.

A. Only conclusion (II) follows



B. Only conclusion (I) follows

C. Both conclusions (I) and (II) follow

D. Neither conclusion (I) nor (II) follows

Q80 General Intelligence & Reasoning

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

KIO : LFK

PER : QBN

A. BGW : CDR

B. OGT : PDP



C. UJK : VGF

D. KQL : LMH



Q81 General Awareness

Which of the following banks removed the minimum balance requirement for all savings accounts in June 2025?

- A. State Bank of India
- B. Punjab National Bank
- C. Canara Bank ✓
- D. Bank of Baroda

Q82 General Awareness

As of June 2025, which actor turned politician is the Deputy Chief Minister of the state of Andhra Pradesh?

- A. Balakrishna
- B. Chiranjeevi
- C. Pawan Kalyan ✓
- D. Prakash Raj

Q83 General Awareness

In which of the following weight categories did Manisha Bhanwala win the gold medal at the Asian Wrestling Championships, 2025?

- A. 62 kg ✓
- B. 59 kg
- C. 76 kg
- D. 53 kg

Q84 General Awareness

Toshikazu Yamanishi set a new world record in which event in February 2025?

- A. 50 km race walk
- B. 20 km race walk ✓
- C. 10 km race walk
- D. 5 km race walk

Q85 General Awareness

The Major Dhyan Chand Khel Ratna Award was presented to which of the below ace shooter by Indian President Droupadi Murmu in 2025?

- A. Mona Agarwal
- B. Sarabjot Singh
- C. Rubina Francis
- D. Manu Bhaker ✓

Q86 General Awareness

What is the name of the vessel in which two women officers from the Indian Navy have completed a landmark circumnavigation voyage under the Navika Sagar Parikrama II mission in May 2025?

- A. INS Tarini ✓
- B. INS Indira
- C. INS Bhagmati
- D. INS Sarojini

Q87 General Awareness

As of 10 June 2025, how many new sports infrastructure projects were approved worth ₹3,124.12 crore across India?

- A. 326 ✓
- B. 350
- C. 300
- D. 250

Q88 General Awareness

Which special year has ISRO declared 2025 to be, highlighting its human spaceflight efforts?

- A. Solar Year
- B. Mars Year
- C. Gaganyaan Year ✓
- D. Moon Year

Q89 General Awareness

How many Atal Tinkering Labs were announced to be set up in government schools over the next five years in the Union Budget 2025-26?

- A. 20,000
- B. 50,000 ✓
- C. 40,000
- D. 30,000

Q90 General Awareness

Euthalia malaccana, which was officially recorded in Arunachal Pradesh's Leparada district, in May 2025, is a new species of which of the following?

- A. Locust
- B. Grasshopper
- C. Butterfly ✓
- D. Dragonfly



Q91 General Awareness

The tech fair VivaTech, 2025, was held in which of the following European cities in June 2025?

- A. Barcelona
- B. Paris ✓
- C. Berlin
- D. Lisbon

Q92 General Awareness

As notified in March 2025, how many DRDO Industry Academia Centres of Excellence (DIA-CoEs) have been set up across the country at premier institutions such as IITs, IISc, and central universities?

- A. 15 ✓
- B. 10
- C. 5
- D. 20

Q93 General Awareness

Which of the following banks signed a Memorandum of Understanding with the Indo-Tibetan Border Police in February 2025 for providing financial and insurance benefits?

- A. Canara Bank
- B. IndusInd Bank
- C. Punjab National Bank ✓
- D. State Bank of India

Q94 General Awareness

Who among the following received the United Nations Sasakawa Award 2025 for Disaster Risk Reduction?

- A. Randeep Guleria
- B. Dr. Shekhar Mande
- C. Dr. Mrutyunjay Mohapatra ✓
- D. Dr. Soumya Swaminathan

Q95 General Awareness

In which village was Ahilyabai Holkar born, where the Maharashtra Cabinet held a special meeting in May 2025 to honour her 300th birth anniversary?

- A. Nashik
- B. Chondi ✓
- C. Paithan
- D. Maheshwar

Q96 General Awareness

Tiger Triumph defense exercise conducted in April 2025 was a joint exercise between India and which country?

- A. France
- B. The US ✓
- C. Australia
- D. The UK

Q97 General Awareness

What was Transparency International's score for the US in the 2024 Corruption Perceptions Index?

- A. 65 ✓
- B. 62
- C. 67
- D. 70

Q98 General Awareness

Which of the following became India's 107th National Park in April 2025?

- A. Simlipal ✓
- B. Gorumara
- C. Bhitarkanika
- D. Dudhwa

Q99 General Awareness

Which state government in October 2025 approved the Bamboo Industry Policy, 2025, aimed at providing farmers with a sustainable and eco-friendly source of income, while boosting the state's domestic and global bamboo production?

- A. West Bengal
- B. Maharashtra ✓
- C. Tamil Nadu
- D. Tripura

Q100 General Awareness

According to the Waqf (Amendment) Act, 2025, how many Muslim women must be included in State Waqf Boards?

- A. Three
- B. Four
- C. Two ✓
- D. One



General Science

25 Questions • Answer Key

Q1 General Science

What is the process known for removing impurities from ores?

- A. Refining
- B. Smelting
- C. Concentration
- D. Roasting



Q2 General Science

What causes the acceleration of an object when it falls toward the Earth?

- A. Friction
- B. Magnetic force
- C. Air resistance
- D. Earth's gravitational force



Q3 General Science

Which plant tissue is mostly found in the husk of a coconut, and what is its main function?

- A. Collenchyma – providing flexibility
- B. Parenchyma – storage of food
- C. Sclerenchyma – providing strength and rigidity
- D. Xylem – conducting water and minerals



Q4 General Science

The plasma membrane is composed of _____.

- A. proteins and sugars
- B. DNA and lipids
- C. lipids and proteins
- D. sugars and lipids



Q5 General Science

Which of the following contraceptive devices/methods prevent(s) spreading of STDs (Sexually Transmitted Diseases) such as AIDS?

- A. Vasectomy/Tubectomy
- B. Copper T
- C. Condoms
- D. Oral Pills



Q6 General Science

The lens formula is given by:

- A. $f = v + u$
- B. $1/f = 1/v - 1/u$
- C. $f = uv$
- D. $1/f = u/v$



Q7 General Science

What happens when you dissolve sugar in water?

- A. Sugar reacts with water
- B. Particles of sugar settle at the bottom
- C. Sugar particles occupy spaces between water particles
- D. Water evaporates



Q8 General Science

Substances that are broken down by biological processes are said to be:

- A. biodegradable
- B. synthetic
- C. metallic
- D. non-biodegradable



Q9 General Science

Ohm's Law is valid under which condition?

- A. For all materials at any temperature
- B. Only for insulator at high temperatures
- C. Only for metallic conductors at constant temperature
- D. Only for semiconductors



Q10 General Science

Which of the following is true for solids?

- a. Definite shape
- b. Rigidity fixed
- c. Volume

- A. a, b and c
- B. b and c only
- C. a and c only
- D. a and b only



Q11 General Science

Calcium hydroxide reacts slowly with the carbon dioxide in air to form a thin layer of which compound that could be used for the purpose of whitewashing?

- A. $\text{Ca}(\text{HCO}_3)_2$
- B. CaCO_3 ✓
- C. CaO
- D. CaSO_4

Q12 General Science

Which of the following is NOT an example of action-reaction pair?

- A. Force of engine on car and car moves forward ✓
- B. Swimmer pushes water backward and water pushes swimmer forward
- C. Bat exerts force on ball and ball exerts force on bat
- D. Gun recoils backward and bullet moves forward

Q13 General Science

What happens right after the formation and maturation of seeds in flowering plants?

- A. Seed dispersal ✓
- B. Pollination
- C. Seed germination
- D. Fertilisation

Q14 General Science

An electric bulb draws a current of 0.15 A for 8 minutes. How much electric charge flows through the circuit during this time?

- A. 1.2 C
- B. 720 C
- C. 72 A
- D. 72 C ✓

Q15 General Science

The absolute refractive index of a medium is defined as:

- A. the ratio of speed of light in medium to that in air
- B. the ratio of speed of light in vacuum to that in medium ✓
- C. the ratio of speed of light in medium to that in vacuum
- D. the ratio of speed of light in one medium to that in another medium

Q16 General Science

A ball of mass 3 kg is raised to a height of 6 m. Its potential energy is _____.

Take $g = 10 \text{ m/s}^2$

- A. 20 J
- B. 200 J
- C. 180 J ✓
- D. 1.8 J

Q17 General Science

Identify the way that is NOT used by insect pests to attack the plants.

- A. By boring into stem and fruits
- B. By sucking the cell sap
- C. By cutting the root, stem and leaf
- D. By creeping on stem ✓

Q18 General Science

Carbon can form long chains because it exhibits _____ and shows _____.

- A. trivalent; catenation
- B. tetravalency; catenation ✓
- C. double bond; triple bond
- D. electronegativity; tetravalency

Q19 General Science

In a balanced chemical equation, the total number of atoms of each element is:

- A. Equal on both sides ✓
- B. Always changing
- C. More on the product side
- D. More on the reactant side

Q20 General Science

Which statement best describes the forces involved when a bird flaps its wings downward to fly upward?

- A. The bird pushes the air downward, but no equal and opposite force acts on it.
- B. The flapping of wings is the action, and the gravity pulling the bird down is the reaction.
- C. The bird's weight acts as the action force, and the air provides the reaction force.
- D. The downward push of the wings on the air is the action, and the lift produced by the air on the wings is the reaction. ✓



Q21 General Science

The _____ is the longest cell in the human body.

- A. osteocyte
- B. platelet
- C. muscle fibre
- D. neuron

**Q22 General Science**

In flowering plants, the fusion of the male and female gametes within the ovule is called _____.

- A. germination
- B. fertilisation
- C. pollination
- D. transpiration

**Q23 General Science**

If a student adds water to a concentrated acid quickly, what is likely to happen?

- A. Nothing will happen.
- B. The acid will solidify.
- C. The solution will become cold.
- D. The solution may splash and cause burns.

**Q24 General Science**

The approximate radii of hydrogen atom is:

- A. 10–10 m
- B. 10–7 m
- C. 10–9 m
- D. 10–8 m

**Q25 General Science**

1/T

- A. λ
- B. ν
- C. ν
- D. A

**Mathematics**

25 Questions • Answer Key

Q26 Mathematics

The length of a rectangle is twice its breadth. If the perimeter of the rectangle is 12 cm, find the length and breadth.

- A. Length = 4 cm and breadth = 2 cm
- B. Length = 6 cm and breadth = 3 cm
- C. Length = 2 cm and breadth = 4 cm
- D. Length = 3 cm and breadth = 6 cm

**Q27 Mathematics**

The cost of a washing machine is 40% less than the cost of a TV. If the cost of the washing machine increases by 51% and that of the TV decreases by 15%, then what is the percentage change in the total cost of 5 washing machines and 7 TVs?

- A. Decrease by 8%
- B. Increase by 5.2%
- C. Increase by 4.8%
- D. Decrease by 5%

**Q28 Mathematics**

In quadrilateral PQRS, the bisectors of $\angle R$ and $\angle S$ meet at the point T (inside the quadrilateral) and $\angle STR = 28^\circ$. If the ratio of $\angle P$ to $\angle Q$ is 3 : 4, then what is the difference between the measures of $\angle Q$ and $\angle P$?

- A. 13°
- B. 6°
- C. 8°
- D. 3°

**Q29 Mathematics**

Two trains, 130 m and 190 m long, are running in the same direction at speeds of 96 km/hr and 48 km/hr, respectively. How much time will the faster train take to completely cross the slower one?

- A. 24 seconds
- B. 8 seconds
- C. 18 seconds
- D. 9 seconds



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Q30 Mathematics

The monthly incomes of two friends Kiran and Mahesh, are in the ratio 5 : 8 respectively and each of them saves ₹78,000 every month. If the ratio of their monthly expenditure is 2 : 4, find the monthly income of Kiran (in ₹).

A. 1,96,000

B. 1,94,000

C. 1,95,000



D. 2,73,000

Q31 Mathematics

The total number of colour blocks is 8360. If the ratio of red block to blue block is 1 : 3 and the ratio of blue block to yellow block is 7 : 4, then how many yellow blocks are there?

A. 2495

B. 2508



C. 2598

D. 2494

Q32 Mathematics

A and B working together can do a piece of work in 4 days. B alone can do the same work in 36 days. How long (in days) will A alone take to do double the work?

A. 12

B. 10

C. 9



D. 4.5

Q33 Mathematics

Two banks, A and B, offered loans at 3.5% and 7.5% per annum, respectively. Rakesh borrowed an amount of ₹2,20,000 from each bank. Find the positive difference (in ₹) between the amounts of simple interest paid to the two banks by Rakesh after 4 years.

A. 36,700

B. 35,200



C. 34,700

D. 36,200

Q34 Mathematics

Evaluate: $60 - [12 \div (2 + 1) + 4 \times 2]$

A. 46

B. 48



C. 49

D. 50

Q35 Mathematics

The sum of the first 9 prime numbers is:

A. 96

B. 102

C. 101

D. 100

**Q36 Mathematics**

If the total age of Hassan and Ali is 12 years more than the total age of Ali and Ahmed, how many years younger is Ahmed than Hassan?

A. 12



B. 11

C. 14

D. 10

Q37 Mathematics

Three numbers are in the ratio 2 : 17 : 19 and the sum of these numbers is 7752. Find the middle number.

A. 3468



B. 3470

C. 3469

D. 3465

Q38 Mathematics

Find the lowest value for * in the number 3*760 such that the resulting number is divisible by 12.

A. 5

B. 0

C. 1

D. 2

**Q39 Mathematics**

The difference between the cost price and the selling price of an object is ₹480. If the profit is 20% on the cost price, find the selling price of the object.

A. ₹2,400

B. ₹2,500

C. ₹2,000

D. ₹2,880



Q40 Mathematics

After allowing a discount of 11% on the marked price of an article, it is sold for ₹41,207. Find its marked price (in ₹).

A. 46,363

B. 46,300



C. 46,148

D. 46,276

Q41 Mathematics

A train overtakes two people running along a railway track. The first person is running at 12.6 km/hr, and the second person is running at 25.2 km/hr. The train takes 16.8 seconds to pass the first person and 22.4 seconds to pass the second person. What is the speed of the train if both are running in the same direction as the train?

A. 62 km/hr

B. 60 km/hr

C. 63 km/hr



D. 59 km/hr

Q42 Mathematics

The arithmetic mean of the observations 58, 13, 74, 38, 98, 36, 43, 39 and 42 is:

A. 49



B. 43

C. 51

D. 53

Q43 Mathematics

The marked price of an item is set at 41% above its cost price. If the merchant sells the item at 13% below the marked price, his profit percentage (rounded off to 1 decimal place) is:

A. 26.3%

B. 22.7%



C. 21.8%

D. 25.4%

Q44 Mathematics

The largest possible cone is carved from a solid wooden cube of side 21 cm. What is the volume of the wood (in cm^3) left over?

(Use $\pi = \frac{22}{7}$)

A. 5940.5

B. 7240.3

C. 6835.5



D. 6125.5

Q45 Mathematics

If 3 is added to the numerator of a fraction, it becomes 1, and if 4 is added to the denominator of the fraction, it becomes $\frac{4}{5}$.

What is the product of the numerator and the denominator of the original fraction?

A. 886

B. 896

C. 688

D. 868



Q46 Mathematics

From a shipmast head 210 m high, the angle of depression of a boat is observed to be 60° . Find the distance (in m) of the boat from the ship.

A. $70\sqrt{2}$

B. $60\sqrt{3}$

C. $60\sqrt{2}$

D. $70\sqrt{3}$ ✓

Q47 Mathematics

$\frac{1}{20}$ is what percentage of $\frac{11}{90}$ (rounded off to two decimal places)?

A. 40.91% ✓

B. 50.91%

C. 55.91%

D. 81.82%

Q48 Mathematics

Simplify $(2x-1)^2 - (x-4)(x+4)$.

A. $3x^2 - 4x + 15$

B. $2x^2 - 4x + 17$

C. $3x^2 + 4x + 17$

D. $3x^2 - 4x + 17$ ✓

Q49 Mathematics

A group of 10 women can weave a designer saree in 20 days. After 4 days, another group of 20 women joins them to work on the same saree. In how many more days will the saree be completely woven?

A. $5\frac{1}{3}$ days ✓

B. $6\frac{4}{11}$ days

C. 10 days

D. $10\frac{1}{2}$ days



Q50 Mathematics

Calculate the mode from the following data.

Days of Confinement	7	8	9	10	11
Number of Patients	5	7	8	6	4

- A. 9 ☒
- B. 11
- C. 8
- D. 10

General Intelligence & Reasoning

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

7 16 27 40 55 ?

- A. 70
- B. 60
- C. 62
- D. 72 ☒

Q52 General Intelligence & Reasoning

KOJM is related to QUPS in a certain way based on the English alphabetical order. In the same way, OSNQ is related to UYTW. To which of the following is GKFI related, following the same logic?

- A. MQOL
- B. QMLO
- C. MQLO ☒
- D. QMOL

Q53 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

OSW 24, GKO 35, YCG 46, QUY 57, IMQ 68, ?

- A. AIE 79
- B. AEI 79 ☒
- C. AEI 78
- D. AOI 79

Q54 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

710 712 708 714 706 716 ?

- A. 718
- B. 720
- C. 704 ☒
- D. 708

Q55 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All wallet are bank.

All bank are vault.

Conclusions:

(I): Some vault are bank.

(II): All wallet are vault.

- A. Only conclusion (II) follows.
- B. Both conclusions (I) and (II) follow. ☒
- C. Neither conclusion (I) nor (II) follows.
- D. Only conclusion (I) follows.



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Q56 General Intelligence & Reasoning

This question is based on the five, three-digit numbers given below.

(Left) 783 791 531 563 594 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

NOTE - All operations to be done from left to right.

What will be the resultant if the second digit of the highest number is added to the second digit of the lowest number?

A. 11

B. 9

C. 10

D. 12

**Q57 General Intelligence & Reasoning**

Five people V, W, X, Y and Z are sitting in a row facing towards north. W is sitting at the extreme left end of the row. There are two people sitting between Z and W. V is immediate neighbour of Z. X is immediate neighbour of V. Exactly how many people are sitting in between W and Y?

A. None

B. One

C. Three



D. Two

Q58 General Intelligence & Reasoning

KOJL is related to RVQS in a certain way based on the English alphabetical order. In the same way, MQLN is related to TXSU. To which of the following is OSNP related, following the same logic?

A. VZWU

B. ZVUW

C. ZVWU

D. VZUW

**Q59 General Intelligence & Reasoning**

This question is based on the following words
COP, TIK, ANY, CAN, OWN

If in each of the words, each letter is changed to the next letter in the English alphabetical order, how many words thus formed will have no vowel?

A. One



B. Two

C. Three

D. Four

Q60 General Intelligence & Reasoning

Ravindra starts from Point A and drives 9 km towards the east. He then takes a left turn, drives 3 km, turns right and drives 4 km. He then takes a right turn and drives 8 km. He takes a final right turn, drives 13 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only, unless specified.)

A. 5 km towards north



B. 15 km towards north

C. 7 km towards east

D. 5 km towards south

Q61 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

79 104 129 154 179 ?

A. 210

B. 215

C. 204



D. 199

Q62 General Intelligence & Reasoning

Seven boxes, A, B, C, D, E, F and G, are kept one over the other but not necessarily in the same order. Only C is kept above B. Only E is kept between B and F. Only G is kept below A. How many boxes are kept below F?

A. 4

B. 1

C. 2

D. 3

**Q63 General Intelligence & Reasoning**

In a row of 41 people facing north, Mohan is 10th from the left end. If Rahul sits 9th to the right of Mohan, what is Rahul's position from the right end of the row?

A. 24th

B. 22nd

C. 21st

D. 23rd



Q64 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All hammers are screwdrivers.
Some screwdrivers are wrenches.
No wrenches are pliers.

Conclusions:

(I): Some pliers are screwdrivers.
(II): Some wrenches are hammers.

- A. Both conclusions (I) and (II) are true
- B. Only conclusion (I) is true
- C. Neither conclusion (I) nor (II) is true**
- D. Only conclusion (II) is true

Q65 General Intelligence & Reasoning

Eight people – A, B, C, D, E, F, G and H, are sitting around a circular table facing the centre. C sits to the immediate left of A. Only two people sit between C and E when counted from the left of E. Only three people sit between H and E when counted from the left of H. D sits to the immediate left of H. B is not an immediate neighbour of E. F sits second to the right of G. Who sits third to the right of H?

- A. B
- B. G**
- C. A
- D. F

Q66 General Intelligence & Reasoning

In a certain code language,
'A + B' means 'A is the son of B'
'A – B' means 'A is the brother of B'
'A × B' means 'A is the wife of B'
'A ÷ B' means 'A is the father of B'
Based on the above, how is D related to J if 'D × F + G ÷ H – J'?

- A. Daughter
- B. Brother's daughter
- C. Brother's wife**
- D. Wife

Q67 General Intelligence & Reasoning

In a certain code language, 'lime card river' is coded as 'du kt bv' and 'river child judge' is coded as 'rr xi kt'. How is 'river' coded in that language?

- A. rr
- B. bv
- C. kt**
- D. du

Q68 General Intelligence & Reasoning

Refer to the following series and answer the question (all numbers are single-digit numbers only).

(Left) 8 3 7 1 2 5 9 6 3 7 8 2 4 1 (Right)

How many such even numbers are there (from left to right) which are immediately followed by an odd number?

- A. One
- B. More than three**
- C. Three
- D. Two

Q69 General Intelligence & Reasoning

What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$15 + 17 \div 27 \times 3 - 10 = ?$$

- A. -130
- B. -126
- C. -127
- D. -128**

Q70 General Intelligence & Reasoning

If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', then what will come in place of the question mark (?) in the following equation?

$$92 \text{ D } 9 \text{ C } 96 \text{ A } 12 \text{ B } 7 = ?$$

- A. 139**
- B. 143
- C. 193
- D. 133



Q71 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. TP-UR

B. PL-QN

C. VR-WU



D. RN-SP

Q72 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(18, 324, 1)

(7, 71, 23)

A. (44, 1955, 15)

B. (22, 501, 13)

C. (1, 30, 25)

D. (22, 505, 22)

**Q73 General Intelligence & Reasoning**

Toshi starts from point A and drives 70 km towards east. He then takes a left turn, drives 45 km, turns left and drives 78 km. He then takes a left turn and drives 76 km. He takes a final left turn, drives 8 km and stops at point P. How far (shortest distance) and towards which direction should he drive in order to reach point A again?

(Note: All turns are 90° turns only unless specified.)

A. 33 km to the south

B. 30 km to the north

C. 31 km to the north



D. 32 km to the south

Q74 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

FGH BCD XYZ TUV ?

A. POR

B. PQR



C. PRQ

D. PRO

Q75 General Intelligence & Reasoning

In a certain code language, 'elbow yield apple' is coded as 'tr ss jw' and 'apple case barn' is coded as 'ss rz jn'. How is 'apple' coded in that language?

A. rz

B. ss



C. tr

D. jw

Q76 General Intelligence & Reasoning

Refer to the given number series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 8 2 6 4 7 3 5 1 9 8 3 7 2 6 5 9 1 4 8 7 2 6 9 3 5 8

(Right).

How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an even digit?

A. Five

B. Two

C. Three

D. Four

**Q77 General Intelligence & Reasoning**

In the following triad, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

CLUB - LCUB - CUBL

SEAT - ESAT - SATE

A. GROW - GORW - WORG

B. PALE - APLE - PLEA



C. TWIN - WTIN - WINT

D. HOME - OHME - EOMH



Q78 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. EIB

B. SWP

C. VZS

D. PTN

**Q79 General Intelligence & Reasoning**

If 'A' stands for '÷', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will be come in place of question mark '?' in the following equation?

$$41 \text{ C } 12 \text{ A } 6 \text{ D } 5 \text{ B } 2 = ?$$

A. 32

B. 33



C. 31

D. 34

Q80 General Intelligence & Reasoning

A, B, C, D, W, X and Y are sitting in a straight line facing north. Only three people sit between W and Y. A sits to the immediate left of Y. No one sits to the right of B. Only two people sit between B and A. X sits to the immediate right of D. How many people sit between C and X?

A. Three

B. Four

C. Two



D. One

General Awareness

20 Questions • Answer Key

Q81 General Awareness

Which telemedicine platform served over 36 crore patients by April 2025, per the Ministry of Health?

A. Practo

B. Mfine

C. eSanjeevani



D. Apollo Telehealth

Q83 General Awareness

Which Indian political leader is known for the 'Viksit Bharat Sankalp Yatra' campaign in 2025?

A. Shivraj Singh Chouhan



B. Yogi Adityanath

C. Mallikarjun Kharge

D. Rahul Gandhi

Q82 General Awareness

What was the nationality of the legendary fashion designer Giorgio Armani, who passed away in 2025?

A. Italian



B. French

C. Spanish

D. American

Q84 General Awareness

Which team did the Indian women's team defeat to emerge as champions in the inaugural Kho Kho World Cup on 19 January 2025?

A. Bangladesh

B. China

C. Nepal



D. Pakistan



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Q85 General Awareness

What is the name of Assam's AI-powered virtual news anchor unveiled in 2025?

- A. Ananya
- B. Arpita
- C. Ankita
- D. Asha

**Q86 General Awareness**

Which of the following institutions won the Bakshi Cup in 2025?

- A. Indian Military Academy (IMA)
- B. Indian Naval Academy (INA)
- C. Air Force Academy (AFA)
- D. National Defence Academy (NDA)

**Q87 General Awareness**

Who became the first athlete in history to run sub-10 s in the 100 m for 11 consecutive years?

- A. Trayvon Bromell
- B. Andre De Grasse
- C. Akani Simbine
- D. Usain Bolt

**Q88 General Awareness**

Which city was declared India's 'Leopard Capital' on 5 June 2025?

- A. Bengaluru
- B. Mysuru
- C. Dehradun
- D. Udaipur

**Q89 General Awareness**

In the 2025 Ludhiana West by-election, which party emerged victorious?

- A. Bharatiya Janata Party
- B. Indian National Congress
- C. Aam Aadmi Party
- D. Shiromani Akali Dal

**Q90 General Awareness**

The inaugural Everest Climbers' Summit focused on climate, held in 2025, took place in:

- A. Kathmandu, Nepal
- B. Dharamsala, India
- C. Dhaka, Bangladesh
- D. Lhasa, Tibet

**Q91 General Awareness**

In February 2025, in which district did the NDRF launch an avalanche rescue operation?

- A. Shillong
- B. Shimla
- C. Chamoli
- D. Uttarkashi

**Q92 General Awareness**

How many Centres of Excellence (CoE) were inaugurated by the Union Minister of State for Rural Development in June 2025 in Chennai?

- A. 200
- B. 400
- C. 100
- D. 300

**Q93 General Awareness**

Which of the following cities hosted the National Workshop in July 2025, organised by the Union Ministry of Social Justice and Empowerment to strengthen the implementation of the SMILE-B (Support for Marginalized Individuals for Livelihood and Enterprise – Begging) scheme?

- A. Jaipur
- B. Patna
- C. Indore
- D. Lucknow

**Q94 General Awareness**

Which of the following banks launched the largest staff engagement initiative called 'Next LEAP' to empower workforce in 2025?

- A. Bank of Baroda
- B. State Bank of India
- C. Canara Bank
- D. Indian Bank



Q95 General Awareness

The Waqf (Amendment) Act, 2025, is also known as _____.

- A. SAHIB Act
- B. UMEED Act
- C. FARID Act
- D. TAHIB Act

Q96 General Awareness

In August 2025, the report 'Unlocking a \$200 Billion Opportunity: Electric Vehicles in India,' assessing challenges and key steps for India's Electric Mobility transition, was released by _____.

- A. NITI Aayog
- B. Ministry of Road Transport and Highways
- C. Bureau of Energy Efficiency
- D. Ministry of Heavy Industries

Q97 General Awareness

Which legendary sprinter was named a Guinness World Records ICON in June 2025?

- A. Carl Lewis
- B. Usain Bolt
- C. Justin Gatl
- D. Michael Johnson

Q98 General Awareness

Who chaired the 10th Governing Council Meeting of the NITI Aayog on 24 May 2025?

- A. Narendra Modi
- B. Manohar Lal Khattar
- C. JP Nadda
- D. Amit Shah

Q99 General Awareness

In May 2025, the Financial Services Institutions Bureau (FSIB) recommended Asheesh Pandey as the new Managing Director (MD) and Chief Executive Officer (CEO) of which bank?

- A. Central Bank of India
- B. Union Bank of India
- C. State Bank of India
- D. Canara Bank

Q100 General Awareness

Which of the following showed an increase to 99.62% in 2024-25, according to the Sustainable Development Goals – National Indicator Framework Progress Report, 2025?

- A. The reduction in emissions intensity of GDP
- B. Percentage of population covered by social protection systems/floors
- C. The renewable energy share in the total installed electricity generation
- D. Percentage of population using an improved drinking water source in rural areas



General Science

25 Questions • Answer Key

Q1 General Science

What type of bond is formed when a metal reacts with a non-metal?

A. Ionic bond



B. Hydrogen bond

C. Covalent bond

D. Metallic bond

Q2 General Science

When resistors are connected in series, which quantity remains the same across all resistors?

A. Current



B. Resistance

C. Voltage

D. Power

Q3 General Science

A student says, "Plants don't have a nervous system, so they cannot respond to anything." What would be the correct scientific response?

A. The student is right; plants are non-living.

B. Plants respond using hormonal and electrical-chemical signals.



C. Only animals can show responses.

D. Plants use nerves like animals do.

Q4 General Science

Why does ice float on the surface of water?

A. Because the density of ice is less than that of water



B. Because the weight of ice is very small

C. Because ice is at a lower temperature

D. Because it displaces water equal to its weight

Q5 General Science

Which of the following is NOT a cell organelle?

A. Endoplasmic Reticulum

B. Cytoplasm



C. Mitochondria

D. Golgi Apparatus

Q6 General Science

Which of the following is the correct sequence of events in flowering plant reproduction?

A. Embryo → Seedling → Pollination → Fertilisation

B. Fertilisation → Pollination → Embryo → Seedling

C. Pollination → Fertilisation → Seedling → Embryo

D. Pollination → Fertilisation → Embryo → Seedling



Q7 General Science

Which of the following statements best differentiates a compound from a solution?

A. A compound can be separated by physical methods, while a solution cannot.

B. Compounds are mixtures of two or more elements, while solutions are mixtures of compounds only.

C. A compound has a fixed composition and definite properties, unlike a solution.



D. Compounds are always liquid, but solutions can be in any state.

Q8 General Science

Which of the following has branched-chain hydrocarbons?

A. Ethane

B. Isobutane



C. Butane

D. Propane

Q9 General Science

Which of the following statements is INCORRECT regarding cell type and shape?

A. The white blood cell (WBC) has a round and fixed shape.



B. The muscle cell is spindle-shaped.

C. The red blood cell (RBC) is disc-shaped with a central depression.

D. The nerve cell is long and branched in shape.



Q10 General Science

Why do isobars, despite having the same mass number, exhibit different chemical properties?

- A. Because they have the same number of neutrons in their nuclei
- B. Because they have the same number of protons
- C. Because their atomic numbers and electronic configurations differ ✓
- D. Because they belong to the same group in the periodic table

Q11 General Science

Which one of the following statements is TRUE about vasectomy?

- A. It blocks the vas deferens to prevent sperm release. ✓
- B. It removes the seminal vesicles.
- C. It stops testosterone production.
- D. It kills the sperm cells reaching the uterus.

Q12 General Science

A body of mass 5 kg is initially at rest. A constant force of 20 N acts on it for 4 s. What is the final velocity of the body?

- A. 20 m/s
- B. 12 m/s
- C. 8 m/s
- D. 16 m/s ✓

Q13 General Science

Which wave characteristic determines the loudness of a sound?

- A. Wavelength
- B. Pitch
- C. Amplitude ✓
- D. Frequency

Q14 General Science

Which type of cells are used by organisms like hydra for reproduction in the process budding?

- A. Photosynthetic cells
- B. Gametic cells
- C. Regenerative cells ✓
- D. Stomatal cells

Q15 General Science

Tooth enamel starts corroding when the pH in the mouth falls below ____.

- A. 5.5 ✓
- B. 4.5
- C. 6.5
- D. 7.5

Q16 General Science

During the transformation of energy from one form to another, such as gravitational potential energy converting into kinetic energy during free fall, ____.

- A. new energy is constantly created, balancing the loss of the original form
- B. the total energy before and after the transformation remains the same ✓
- C. the total mechanical energy increases, adhering to the law
- D. energy is gradually lost to the environment, violating the law

Q17 General Science

The basic modification with a "prefix" or "suffix" in the nomenclature is the indicator of:

- A. Nature of the surface area
- B. Nature of the melting point
- C. Nature of the boiling point
- D. Nature of the functional Group ✓

Q18 General Science

In a circuit diagram, the symbol for a cell is represented by which of the following?

- A. A circle with a cross inside
- B. Two equal lines parallel to each other
- C. A rectangle with a diagonal line
- D. One long and one short line parallel to each other ✓

Q19 General Science

Which metal will displace iron from iron sulfate solution?

- A. Silver
- B. Zinc ✓
- C. Copper
- D. Chromium



Q20 General Science

The size of the image formed by a convex mirror _____.

- A. is always larger than the object
- B. is always equal to the object
- C. can be larger or smaller depending on object position
- D. is always smaller than the object ✓

Q21 General Science

Which of the following types of human muscles show alternate light and dark bands when stained appropriately?

- A. Skeletal muscles ✓
- B. Muscles of the alimentary canal
- C. Involuntary muscles
- D. Visceral muscles

Q22 General Science

What is the SI unit of Pressure?

- A. Pascal ✓
- B. mmHg
- C. Torr
- D. Atmosphere

Q23 General Science

In a school garden, butterflies often visit flowers while squirrels feed on nuts. What types of consumers are these organisms?

- A. Butterflies – herbivores, Squirrels – herbivores ✓
- B. Butterflies – carnivores, Squirrels – omnivores
- C. Butterflies – parasites, Squirrels – decomposers
- D. Butterflies – omnivores, Squirrels – carnivores

Q24 General Science

A student complains of difficulty in reading the blackboard clearly while sitting at the back of the class, but can read a book at 25 cm without difficulty. Which statement is correct for his condition?

- A. He has presbyopia and needs bifocals
- B. He has cataract and needs surgery
- C. He has hypermetropia and needs a convex lens
- D. He has myopia and needs a concave lens ✓

Q25 General Science

Which of the following is the correct reason for why fruits fall from the tree when the branches of the tree are shaken vigorously?

- A. The fruits fall down due to change in momentum.
- B. The fruits fall down due to inertia. ✓
- C. The fruits fall down due to frictional force.
- D. The fruits fall down due to action reaction forces.

Mathematics

25 Questions • Answer Key

Q26 Mathematics

A, B and C can do a piece of work in 3, 24 and 8 days, respectively. How long (in days) will they take to do twice the same work, working together?

- A. 4 ✓
- B. 8
- C. 5
- D. 12

Q27 Mathematics

Two engines of trains 60 km apart start towards each other at speeds of 16 km/hr and 29 km/hr, respectively. After how much time will they meet each other? (Assume the length of engine is negligible.)

- A. 80 minutes ✓
- B. 86 minutes
- C. 90 minutes
- D. 72 minutes



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Q28 Mathematics

The average age of 57 students of a class is 19 years. If the age of the teacher is also included, the average age of the whole group becomes 20 years. The age (in years) of the teacher is:

A. 77



B. 71

C. 79

D. 75

Q29 Mathematics

The present age of Mr. Gupta is three times the present age of his daughter. Six years hence, the ratio of their ages will be 5 : 2. What is the present age of the daughter?

A. 22 years

B. 20 years

C. 18 years



D. 24 years

Q30 Mathematics

What is the smallest natural number that should be added to 4478 such that a remainder of 2 is left when the resulting number is divided by each of the numbers 56, 80, 16 and 60?

A. 564



B. 549

C. 574

D. 584

Q31 Mathematics

A typist takes 40 minutes to type 2 pages. How long (in minutes) will he take to type 96 pages?

A. 1920



B. 1930

C. 1925

D. 1910

Q32 Mathematics

In a polling booth with 9000 valid votes, four candidates P, Q, R and S contested, and a NOTA option was also available. Exactly 1% of the total votes went to NOTA. Candidate Q received 25% of the votes secured by P. The combined votes of R and S totaled 5,830, distributed between them in the ratio 3 : 2. How many votes did the winning candidate receive?

A. 3498



B. 3894

C. 4398

D. 3984

Q33 Mathematics

If the mean proportional of A and 112 is 28, then find the value of A.

A. 6

B. 4

C. 7



D. 5

Q34 Mathematics

A cash payment that will settle a bill for 600 pairs of sandals at ₹91 per pair of sandals with the successive discounts of 25% and 25% with a further discount of 28% on cash payment is:

A. ₹22,101

B. ₹22,113



C. ₹22,111

D. ₹22,104

Q35 Mathematics

The length, breadth, and height of a cuboid are in the ratio 1 : 2 : 3. If the length, breadth, and height are increased by 100%, 50%, and 80%, respectively, find the percentage increase in the volume of the cuboid.

A. 440%



B. 404%

C. 450%

D. 402%



Q36 Mathematics

A shopkeeper bought certain goods for ₹2,500 and sold them for ₹3,250. Find his profit percentage.

A. 30%



B. 40%

C. 20%

D. 25%

Q37 Mathematics

In 532 litres solution of acid and water, the ratio of acid and water is 4:3. How many litres of acid must be added to it to get the solution in which the ratio of acid and water is 8:4?

A. 154

B. 151

C. 153

D. 152

**Q38 Mathematics**

The cost price of a box of sharpeners is ₹2,400. The shopkeeper gave 41% of discount on the cost price. What is the selling price (in ₹)?

A. 1,496

B. 1,416



C. 1,242

D. 1,494

Q39 Mathematics

Two banks, A and B, offered loans at 3.5% and 7% per annum, respectively. Salil borrowed an amount of ₹4,60,000 from each bank. Find the positive difference (in ₹) between the amounts of simple interest paid to the two banks by Salil after 3 years.

A. 49,300

B. 47,800

C. 48,300



D. 49,800

Q40 Mathematics

In $\triangle ABC$, $BD \perp AC$ at D and $\angle DBC = 71^\circ$. E is a point on BC such that $\angle CAE = 57^\circ$. What is the measure of $\angle AEB$?

A. 76°



B. 71°

C. 68°

D. 62°

Q41 Mathematics

The sum of two integers is 40. If the difference between them is 14, find the larger integer.

A. 17

B. 25

C. 27



D. 33

Q42 Mathematics

The monthly incomes of two friends Gopal and Akshay are in the ratio 5 : 8 and each of them saves ₹78,000 every month. If the ratio of their monthly expenditure is 1 : 4, then find the monthly income of Gopal (in ₹).

A. 96,500

B. 98,500

C. 97,500



D. 1,36,500

Q43 Mathematics

A woman travelled at a speed of 20 m/min for 80 min, and at a speed of 50 m/min for 70 min. Her average speed (in m/min) is:

A. 40

B. 34



C. 27

D. 38



Q44 Mathematics

A sphere of diameter 14 cm is cut into 4 equal parts. What is the total surface area (in cm^2) of the four parts?

(Use $\pi = \frac{22}{7}$)

A. 3606

B. 4408

C. 2464

D. 1232

**Q45** Mathematics

If $1 - \sin^2 B = K \cdot \sin^2 B$, find K.

A. $\sec^2 B$

B. $\operatorname{cosec}^2 B$

C. $\tan^2 B$

D. $\cot^2 B$

**Q46** Mathematics

Simplify: $\frac{(x^4 - 1)(x^2 + x + 1)}{(x^3 - 1)(x^2 + 1)}$

A. $x^2 + 1$

B. $x - 1$

C. $x + 1$

D. $x^2 - 1$

**Q47** Mathematics

If $90 - [36 \div 3 + 2 \times (P^2 - 21)] \div 3 = \frac{70}{3}$, find the positive value of P.

A. 5

B. 6

C. 4

D. $\sqrt{115}$



Q48 Mathematics

20 men can reap a field in 18 days. If the goal is to finish reaping the field in 30 days, after how many days should 9 men stop working?

A. $1\frac{1}{2}$



B. $4\frac{1}{2}$

C. $3\frac{1}{2}$

D. $2\frac{1}{2}$

Q49 Mathematics

$\frac{1}{20}$ is what percentage of $\frac{11}{100}$ (rounded off to two decimal places)?

A. 60.45%

B. 55.45%

C. 45.45%



D. 90.91%

Q50 Mathematics

The product of mean and mode is 24 and the product of median and mean is 32.

If the square root of the sum of squares of mean, 3 times median and mode is $a \times \sqrt{b \times 11}$, find $\sqrt{a + b}$.

A. 4

B. 5

C. 3



D. 6

General Intelligence & Reasoning

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

Which letter-cluster will replace the question mark (?) in the following series to make it logically complete?

IXB GWE EVH CUK ?

A. BTM

B. BSN

C. ASM

D. ATN

**Q52 General Intelligence & Reasoning**

A, B, C, D, E and F are sitting around a circular table facing the centre. E sits third to the right of B. C sits to the immediate left of F. C is not an immediate neighbour of B. D sits to the immediate right of A. The position(s) of how many persons will remain unchanged if all persons are arranged in English alphabetical order in clockwise direction starting from A (including A)?

A. Two

B. Four

C. One

D. Three



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Q53 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some roads are fans.
No fan is a car.

Conclusions:

- (I) Some roads are cars.
(II) Some fans are roads.

- A. Both conclusions (I) and (II) follow.
B. Neither conclusion (I) nor (II) follows.
C. Only conclusion (I) follows.
D. Only conclusion (II) follows. ✓

Q54 General Intelligence & Reasoning

In a certain code language, 'students are learning' is coded as 'ab mn pq' and 'learning is fun' is coded as 'st mn xy'. How is 'learning' coded in the given language?

- A. xy
B. mn ✓
C. ab
D. st

Q55 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting / multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(9, 31, 26)
(13, 43, 38)

- A. (14, 38, 33)
B. (15, 49, 44) ✓
C. (12, 32, 27)
D. (20, 56, 51)

Q56 General Intelligence & Reasoning

Which of the given letter-number clusters will replace the question mark (?) in the following series to make it logically complete?

OSW 24, GKO 35, YCG 46, QUY 57, IMQ 68, ?

- A. AOI 79
B. AEI 79 ✓
C. AIE 79
D. AEI 78

Q57 General Intelligence & Reasoning

Select the pair which follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.

JHK-IGJ
LJM-KIL

- A. DAC-CAD
B. DBE-CAD ✓
C. DBE-BAC
D. DAC-BZC

Q58 General Intelligence & Reasoning

GM 14 is related to EJ 16 in a certain way. In the same way, KQ 22 is related to IN 24. To which of the given options is OU 27 related, following the same logic?

- A. PT 28
B. PR 29
C. MR 29 ✓
D. QT 29

Q59 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- A. IM-PK ✓
B. CG-JD
C. EI-LF
D. GK-NH



Q60 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only).

(Left) 1 5 3 7 2 8 4 9 6 1 3 7 5 4 2 8 9 6 3 7 1 5 4 9 8 2 6
(Right)

How many times does the perfect cube appear in the given series?

- A. Eleven
- B. Seven
- C. Nine
- D. Six

**Q61 General Intelligence & Reasoning**

Each of the digits in the number 2134567 is arranged in ascending order from left to right. What will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

- A. 8
- B. 6
- C. 5
- D. 7

**Q62 General Intelligence & Reasoning**

Each of the digits in the number 2175684 is arranged in ascending order from left to right. The positions of how many digits will remain unchanged as compared to that in the original number?

- A. Two
- B. One
- C. Three
- D. None

**Q63 General Intelligence & Reasoning**

All 37 students in a class are standing in a row facing north. Nisha is 13th from the left end while Manasa is 15th from the right end. How many people stand between Nisha and Manasa?

- A. 12
- B. 9
- C. 7
- D. 10

**Q64 General Intelligence & Reasoning**

If 1 is added to each even digit and 2 is subtracted from each odd digit in the number 4635923, what will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

- A. 9
- B. 7
- C. 8
- D. 10

**Q65 General Intelligence & Reasoning**

Devesh starts from Point Y and drives 21 km towards the east. He then takes a left turn, drives 25 km, turns left and drives 67 km. He then takes a right turn and drives 29 km. He takes a right turn, drives 46 km, turns left, drives 41 km to stop at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again? (All turns are 90-degree turns only unless specified.)

- A. 95 km towards the south
- B. 97 km towards the south
- C. 93 km towards the south
- D. 91 km towards the north

**Q66 General Intelligence & Reasoning**

All 30 students in a class are standing in a row facing north. Arun is 7th from the right end while Harish is 8th from the left end. How many people stand between Arun and Harish?

- A. 14
- B. 17
- C. 15
- D. 13

**Q67 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

721 723 727 733 741 ?

- A. 751
- B. 753
- C. 748
- D. 749



Q68 General Intelligence & Reasoning

Six students, S1, S2, S3, S4, S5 and S6, are sitting around a circular table, facing the centre. The student S6 is sitting next to both S5 and S2. S1 and S3 are sitting next to each other. S4 is the common neighbour of S2 and S3. S1 is second to the right of S4. Who among the following is sitting fourth to the right of S1?

A. S4



B. S6

C. S2

D. S3

Q69 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All trees are bushes.
All bushes are herbs.

Conclusions:

(I): Some herbs are bushes.
(II): All trees are herbs.

A. Only conclusion (II) follows

B. Both conclusions (I) and (II) follow



C. Neither conclusion (I) nor (II) follows

D. Only conclusion (I) follows

Q70 General Intelligence & Reasoning

Refer to the following number and symbol series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 2 8 + 7 5 > 9 2 @ 3 = 4 6 % 3 & 8 4 % 9 1 8 3 # 7 6 9
(Right)

How many such symbols are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

A. Two



B. Three

C. Four

D. One

Q71 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

1, 3, 16, 5, 7, 144, 9, 11, ?

A. 169

B. 196

C. 400



D. 324

Q72 General Intelligence & Reasoning

Six people, A, B, C, D, E and F, are sitting in a row, facing north. E sits to the immediate right of D. F sits fourth to the left of D. Only one person sits between B and D. C sits to the immediate left of B. A sits second to the left of E. Three of the following four are alike in a certain way based on the given arrangement and thus form a group. Which is the one that does NOT belong to that group?

A. BA

B. FE



C. CB

D. AD

Q73 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. HKM

B. JMO

C. XBC



D. PSU

Q74 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

131 102 73 44 15 ?

A. -11

B. -10

C. -14



D. -13



Q75 General Intelligence & Reasoning

In a certain code language,
 P + Q means 'P is the mother of Q',
 P # Q means 'P is the brother of Q',
 P & Q means 'P is the sister of Q',
 and P % Q means 'P is the father of Q'.

How is G related to S if 'G & H % I & T # S'?

- A. Father's brother
- B. Mother's brother
- C. Mother's mother
- D. Father's sister

**Q76 General Intelligence & Reasoning**

Jiten starts from Point Y and drives 28 km towards South. He then takes a right turn, drives 71 km, turns left and drives 69 km. He then takes a left turn and drives 44 km. He takes a left turn, drives 51 km. He then turns right, drives 27 km to stop at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again?

(All turns are 90° turns only unless specified.)

- A. 49 km towards south
- B. 48 km towards north
- C. 46 km towards north
- D. 44 km towards south

**Q77 General Intelligence & Reasoning**

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 3 5 2 8 7 4 6 2 5 1 4 9 8 2 6 8 4 1 6 7 3 4 5 2 4 7
 (Right)

How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an even digit?

- A. One
- B. More than three
- C. Three
- D. Two

**Q78 General Intelligence & Reasoning**

IJ 8 is related to KE -1 in a certain way. In the same way, TP 3 is related to VK -6. To which of the given options is PQ 12 related, following the same logic?

- A. SL 5
- B. RL 3
- C. RK 3
- D. SK 5

**Q79 General Intelligence & Reasoning**

Refer to the following series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 8 1 3 4 3 5 1 8 1 9 1 2 7 1 5 8 9 7 3 8 8 2 3 3 2 1 2
 (Right)

How many such even numbers are there each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- A. 6
- B. 4
- C. 5
- D. 7

**Q80 General Intelligence & Reasoning**

In a certain code language, 'he fix gadgets' is coded as 'pd rt ds' and 'fix this pen' is coded as 'nq uz pd'. How is 'fix' coded in the given language?

- A. pd
- B. nq
- C. uz
- D. ds



Q81 General Awareness

The Corruption Perceptions Index 2024, released by Transparency International in February 2025, ranked which country as the least corrupt?

- A. Switzerland
- B. Denmark
- C. Singapore
- D. Finland

Q82 General Awareness

In January 2025, President Droupadi Murmu, at Rashtrapati Bhavan, honoured which specific para-athlete with the Major Dhyan Chand Khel Ratna Award?

- A. Preeti Pal
- B. Devendra Jhajharia
- C. Praveen Kumar
- D. Nishad Kumar

Q83 General Awareness

In which event did Bindyarani Devi set a new national record at the Dehradun National Games, 2025?

- A. Total lift (women's 55 kg)
- B. Snatch (women's 49 kg)
- C. Clean and jerk (women's 55 kg)
- D. Snatch (women's 55 kg)

Q84 General Awareness

In June 2025, which director turned cinema by converting toy-train coaches into a screening venue at Kurseong?

- A. Rishav Choudhary
- B. Girija Devi
- C. Ravi Shankar
- D. Rohit Shetty

Q85 General Awareness

Which of the following states/Union Territories has the largest number of wildlife sanctuaries as of 2023?

- A. West Bengal
- B. Andaman & Nicobar
- C. Uttar Pradesh
- D. Kerala

Q86 General Awareness

What is the new Loan-to-Value (LTV) ratio, set by the Reserve Bank of India for loans below ₹2.5 lakh in June 2025?

- A. 85%
- B. 75%
- C. 80%
- D. 70%

Q87 General Awareness

The Indian Army contingent that took part in the fourth edition of Exercise AUSTRALIND 2025 held in Australia was commanded by a battalion of ____.

- A. Madras Regiment
- B. Sikh Regiment
- C. Rajput Regiment
- D. Gorkha Rifles

Q88 General Awareness

As notified in April 2025, a research study of which of the following institutes revealed that surface ozone is silently threatening India's food crops?

- A. Indian Institute of Technology, Delhi
- B. Indian Institute of Technology, Mumbai
- C. Indian Institute of Technology, Kanpur
- D. Indian Institute of Technology, Kharagpur

Q89 General Awareness

Who became the first Indian chess player to rank World No. 1 in live chess ratings in 2025?

- A. R Praggnanandhaa
- B. D Gukesh
- C. Viswanathan Anand
- D. Arjun Erigaisi

Q90 General Awareness

As reported in July 2025, what is the name of the new ultra-rare blood antigen discovered in a woman from the Kolar district of Karnataka?

- A. CROB
- B. CRAB
- C. CRIB
- D. BRIB



Q91 General Awareness

Who is the youngest female para swimmer in the world to cross the English Channel and a recipient of the World Open Water Swimming Association (WOWSA) Award, 2024, for Adaptive Performance?

- A. Deepa Malik
- B. Devanshi Satija
- C. Prachi Yadav
- D. Jiya Rai

**Q92 General Awareness**

Which authority of India hosted the 25th Meeting of the South Asian Telecommunication Regulators' Council (SATRC-25)?

- A. Department of Telecommunications
- B. National Informatics Centre
- C. Ministry of Communications
- D. Telecom Regulatory Authority of India

**Q93 General Awareness**

According to the Union Budget 2025-26, how many National Centres of Excellence for Skilling are to be set up with global expertise and partnerships to equip Indian youth with the skills required for "Make for India, Make for the World" manufacturing?

- A. 10
- B. 1
- C. 4
- D. 5

**Q94 General Awareness**

In January 2025, in which city did the NDRF launch a rescue operation after a boat capsized?

- A. Varanasi
- B. Nashik
- C. Patna
- D. Ujjain

**Q95 General Awareness**

Which of the following countries became the member of National Development Bank in May 2025?

- A. Egypt
- B. Algeria
- C. Bangladesh
- D. United Arab Emirates

**Q96 General Awareness**

How many tribal grassroots functionaries and village-level change leaders does the Aadi KARMAYOGI initiative aim to build for responsive governance?

- A. 25 lakh
- B. 10 lakh
- C. 15 lakh
- D. 20 lakh

**Q97 General Awareness**

Which of the following banks launched a TAB-based digital onboarding process for Non-Resident Indians (NRIs) in January 2025?

- A. Punjab National Bank
- B. HDFC Bank
- C. ICICI Bank
- D. State Bank of India

**Q98 General Awareness**

How much accident compensation was announced by Indian railways in June 2025 for its employees without paying any insurance premium?

- A. ₹50 lakh
- B. ₹1 crore
- C. ₹1.5 crore
- D. ₹25 lakh

**Q99 General Awareness**

In June 2025, Bhashini signed an MoU with which government entity to integrate real-time translation on passenger platforms?

- A. Ministry of Home Affairs
- B. Unique Identification Authority of India
- C. Centre for Railway Information Systems
- D. Ministry of Communications and Information Technology

**Q100 General Awareness**

Which round of talks between India and the European Union for a Free Trade Agreement kicked off on 12 May 2025, in Brussels?

- A. 7th
- B. 13th
- C. 9th
- D. 11th



General Science

25 Questions • Answer Key

Q1 General Science

Which of the following methods of asexual reproduction allows a new organism to develop from a cut or broken body part?

- A. Spore formation
- B. Binary fission
- C. Fragmentation ✓
- D. Budding

Q2 General Science

Which of the following is true about the universal gravitational constant G ?

- A. It is a universal constant, same everywhere. ✓
- B. It varies from place to place on Earth.
- C. It depends on the medium between two masses.
- D. It is equal to the acceleration due to gravity.

Q3 General Science

Which of the following is true for suspension?

- a. Suspension is a heterogeneous mixture.
- b. The particles of a suspension scatter a beam of light passing through it.
- c. The particles of a suspension can be seen by the naked eye.

- A. Only a
- B. Only a and b
- C. a, b and c ✓
- D. Only a and c

Q4 General Science

Which of the following bond is made up of a large number of organic compounds?

- A. Ionic bond
- B. Metallic bond
- C. Covalent bond ✓
- D. Dipolar bond

Q5 General Science

Read the given statements as select the most appropriate option.

Statements:

A: Small bulb like projection from yeast cell is bud.

B: Chain of bud formation is found in the budding process of yeast.

- A. Both Statement A and Statement B are correct ✓
- B. Statement B is correct and Statement A is incorrect
- C. Both Statement A and Statement B are incorrect
- D. Statement A is correct and Statement B is incorrect

Q6 General Science

A sound wave has a frequency of 250 Hz. The time taken for one complete vibration is:

- A. 0.40 s
- B. 4.0 s
- C. 0.25 s
- D. 0.004 s ✓

Q7 General Science

Which of the following statements about meristematic tissues is INCORRECT?

- A. Meristematic cells are dead at maturity. ✓
- B. Cells are small, thin-walled, and densely cytoplasmic with large nuclei.
- C. Enable lifelong growth in plants.
- D. Meristematic tissues consist of actively dividing cells.

Q8 General Science

Washing soda is added to water during washing clothes?

- A. To make hard water soft. ✓
- B. To prevent clothes getting wrinkles.
- C. To add fragrance to clothes.
- D. To bleach clothes.



Q9 General Science

The direction of the magnetic field at the centre of a current-carrying circular loop can be determined by:

- A. Left-hand thumb rule
- B. Right-hand palm rule
- C. Fleming's left-hand rule
- D. Right-hand rule (curling fingers along current) ✓

Q10 General Science

What is the network of tiny tubular structures found in the cytoplasm of eukaryotic cells called?

- A. Mitochondria
- B. Golgi apparatus
- C. Endoplasmic reticulum ✓
- D. Lysosome

Q11 General Science

A concave mirror can form a real and inverted image when the object is placed:

- A. Between focus and pole
- B. At the focus
- C. Very close to the mirror
- D. Beyond the centre of curvature ✓

Q12 General Science

When a gun is fired, why does the gun experience a recoil even though the bullet moves forward?

- A. Because the bullet exerts an equal and opposite force on the gun ✓
- B. Because the bullet's acceleration is less than the gun's
- C. Because the gun's mass is smaller than the bullet's
- D. Because the gun pushes the bullet forward with less force

Q13 General Science

Which of the following characteristics of connective tissue is INCORRECT?

- A. Blood is a type of connective tissue.
- B. Matrix may be jelly-like, fluid, dense or rigid.
- C. Cells are embedded in an intercellular matrix.
- D. Cells are tightly arranged. ✓

Q14 General Science

Which of the following explains a precipitation reaction?

- A. A reaction where heat is released
- B. A reaction in which a gas is formed
- C. A reaction where an insoluble solid is formed ✓
- D. A reaction involving a color change only

Q15 General Science

Which of the following types of animal husbandry helps us in honey production?

- A. Culture fishery
- B. Cattle farming
- C. Bee-keeping ✓
- D. Poultry

Q16 General Science

When you sit on a chair, the chair exerts an upward force on you. The reaction force in this case is:

- A. Force of air on the chair
- B. Your weight acting downward on the chair ✓
- C. Friction between your clothes and the chair
- D. Gravitational pull of the Earth

Q17 General Science

Which of the following is NOT necessary for work to be done on a body?

- A. The force must have a component along the direction of displacement.
- B. The body must get displaced.
- C. A force must be applied on the body.
- D. The body must move at a constant speed. ✓

Q18 General Science

The equivalent resistance in a parallel combination is:

- A. greater than the largest resistance
- B. equal to the largest resistance
- C. the sum of all resistances
- D. smaller than the smallest resistance ✓



Q19 General Science

Which one of the following is NOT an agent of cross pollination?

A. Light



B. Water

C. Wind

D. Animals

Q20 General Science

What happens to a light ray when it passes through the optical centre of a lens?

A. It will emerge without any deviation



B. It passes through the principal focus on the other side of the lens

C. It will emerge parallel to the principal axis

D. It bends toward the principal axis

Q21 General Science

A school organises a 'Zero Waste' day. Which of the following practices will best support this initiative?

A. Serving food in banana leaves or reusable plates



B. Disposing food waste in regular trash bins

C. Using single-use plastic cutlery

D. Wrapping snacks in plastic foil

Q22 General Science

The smell of hot food reaches a distance because:

A. temperature increases food weight

B. sound waves carry the food smell

C. particles are continuously moving



D. light energy spreads aroma particles

Q23 General Science

Which of the following is a property of suspension?

A. Particles do not settle

B. Particles cannot be seen by naked eyes.

C. Solute particles cannot be separated by the process of filtration

D. Suspension is a heterogeneous mixture

**Q24 General Science**

Which of the following elements shows +2 valency?

A. Lithium

B. Beryllium



C. Hydrogen

D. Helium

Q25 General Science

What is the chemical formula of Plaster of Paris?

A. $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$

B. CaCO_3

C. $\text{CaSO}_4 \cdot \frac{1}{2}\text{H}_2\text{O}$



D. CaSO_4

Mathematics

25 Questions • Answer Key

Q26 Mathematics

A, B and C can do a piece of work in 3, 6 and 4 days, respectively. How long (in days) will they take to do thrice the same work, working together?

A. 5

B. 12

C. 8

D. 4

**Q27 Mathematics**

The sides of a triangle are 77 cm, 36 cm and 85 cm. What is the length of its altitude corresponding to the side with the length of 36 cm?

A. 89 cm

B. 77 cm



C. 53 cm

D. 43 cm



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Q28 Mathematics

An article is sold at a gain of 30%. Had it been sold for ₹48 more, the profit would have been 35%. The cost price of the article is:

- A. ₹318
- B. ₹636
- C. ₹480
- D. ₹960

**Q29 Mathematics**

Two trains, 295 m and 215 m in length are running in opposite directions. The first runs at the rate of 61 km/hr and the second at the rate of 47 km/hr. How long will they take to cross each other?

- A. 17 seconds
- B. 23 seconds
- C. 24 seconds
- D. 12 seconds

**Q30 Mathematics**

A class of 78 students took a Physics test. 17 students had an average score of 70. The remaining students had an average score of 90. What is the average score (rounded off to one decimal place) of the whole class?

- A. 92.1
- B. 84.4
- C. 80.7
- D. 85.6

**Q31 Mathematics**

During a New-Year sale, a company gives a 'Buy 9 Sweaters and Get 1 Free' offer to customers. The percentage discount involved in this deal is:

- A. 15%
- B. 12%
- C. 10%
- D. 8%

**Q32 Mathematics**

A shopkeeper marks his goods at X% above the cost price and sells them at a discount of 48%. If he makes a profit of 82%, find the value of X.

- A. 249
- B. 250
- C. 251
- D. 248

**Q33 Mathematics**

The wages of 5 carpenters for a 2-day week are ₹1,220. What are the 1-day wages (in ₹) of one carpenter?

- A. 245
- B. 123
- C. 244
- D. 122

**Q34 Mathematics**

The age of a mother is three times the age of her daughter. After 12 years, the mother's age will be twice the daughter's age. Find the present age of the mother.

- A. 40 years
- B. 36 years
- C. 44 years
- D. 48 years

**Q35 Mathematics**

The radii of two cylinders is in the ratio 3 : 4 and their heights is in the ratio 5 : 2. The ratio of their volumes will be:

- A. 22 : 17
- B. 45 : 32
- C. 28 : 41
- D. 8 : 15

**Q36 Mathematics**

If $p : q : r = 8 : 5 : 12$ and $r : s = 36 : 18$, then what is the value of $p : q : r : s$?

- A. 23:18:38:24
- B. 21:21:39:22
- C. 22:18:40:19
- D. 24:15:36:18

**Q37 Mathematics**

₹567 is divided among Arjun, Nisha and Gaurav in such a way that if ₹10, ₹45 and ₹39 are deducted from their respective shares, they have money in the ratio 3:6:2. Find the actual share of Nisha.

- A. ₹408
- B. ₹358
- C. ₹303
- D. ₹308



Q38 Mathematics

The income of Raman is ₹49,000. He saves 27.5% of his income. If his income increases by 34% and expenditure increases by 20%, then his savings will:

A. increase by ₹9,555



B. decrease by ₹9,556

C. increase by ₹9,559

D. decrease by ₹9,550

Q39 Mathematics

The average age of 38 students of a class is 21 years. If the age of the teacher is also included, the average age of the whole group becomes 22 years. The age (in years) of the teacher is:

A. 59

B. 62

C. 60



D. 57

Q40 Mathematics

Two banks, A and B, offered loans at 3.5% and 7.5% per annum, respectively. Manjit borrowed an amount of ₹2,20,000 from each bank. Find the positive difference (in ₹) between the amounts of simple interest paid to the two banks by Manjit after 2 years.

A. 19,100

B. 18,600

C. 17,600



D. 17,100

Q41 Mathematics

The ratio of the two sides of a rectangle is 2 : 3. If the area of the rectangle is 2646 cm^2 , then its perimeter is _____ cm.

A. 220

B. 212

C. 200

D. 210

**Q42 Mathematics**

If 20% of 90% of $\frac{5}{9}$ of a number is 345, find the number.

A. 6790

B. 7190

C. 5790

D. 3450

**Q43 Mathematics**

Walking at $\frac{2}{3}$ rd of his normal speed, Abhijeet is 18 minutes late in reaching his office.

The usual time taken by him to cover the distance between his home and his office is:

A. 36 minutes



B. 37 minutes

C. 35 minutes

D. 41 minutes



Q44 Mathematics

Simplify the following.

$$(\sqrt{6} \times \sqrt{15} - 5\sqrt{10}) + 3\sqrt{10}$$

A. $\sqrt{15}$

B. $\sqrt{10}$ ✓

C. $\sqrt{5}$

D. 10

Q45 Mathematics

$\frac{1}{20}$ is what percentage of $\frac{2}{40}$?

A. 100% ✓

B. 115%

C. 200%

D. 110%

Q46 Mathematics

If 9 is subtracted from the numerator of a fraction, it becomes $\frac{2}{9}$, and if 12 is added to the denominator of the fraction, it becomes $\frac{1}{3}$.

What is the sum of the numerator and the denominator of the original fraction?

A. 64 ✓

B. 61

C. 63

D. 62

Q47 Mathematics

Two outlet pipes, A and B, can separately empty a full tank in 17 hours and 15 hours, respectively. Both the outlet pipes are opened together for 'x' hours. Had outlet pipe B been opened alone, it would have taken (x + 5) hours to empty the same quantity of water from the tank. What is the value of x?

A. $4\frac{2}{3}$

B. $5\frac{2}{3}$ ✓

C. $5\frac{1}{3}$

D. $4\frac{1}{3}$



Q48 Mathematics

The HCF of $\frac{1}{2}$, $\frac{3}{4}$, $\frac{27}{16}$ and $\frac{81}{64}$ is:

A. $\frac{243}{256}$

B. $\frac{81}{64}$

C. $\frac{1}{64}$ ✓

D. $\frac{9}{64}$

Q49 Mathematics

From the top of a tower of height 10 m, a boy observes a car on the ground moving away from the base of the tower. If the angle of depression of the car changes from 60° to 30° , how far has the car moved during this time?

A. 10 m

B. $\left(10\sqrt{3} - \frac{10}{\sqrt{3}}\right)$ m ✓

C. $10(\sqrt{3} + 1)$ m

D. $(10\sqrt{3} + 1)$ m

Q50 Mathematics

If $x^2 + \frac{1}{x^2} = 123$, then a possible value of $\left(x - \frac{1}{x}\right)$ is:

A. 13

B. 11 ✓

C. 12

D. 10

General Intelligence & Reasoning

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

XQ 4 is related to ZV -10 in a certain way. In the same way, OH 8 is related to QM -6. To which of the given options is SL 12 related, following the same logic?

A. JA -8

B. UQ -2 ✓

C. VQ -3

D. QX -6

Q52 General Intelligence & Reasoning

RL 12 is related to VQ 16 in a certain way. In the same way, NH 15 is related to RM 19. To which of the given options is IC 24 related, following the same logic?

A. LG 29

B. MH 28 ✓

C. KJ 28

D. KH 29



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Q53 General Intelligence & Reasoning

Raman starts from Point A and drives 44 km towards east. He then takes a right turn, drives 20 km, turns right and drives 52 km. He then takes a right turn and drives 30 km. He takes a final right turn, drives 8 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again?

(Note: All turns are 90° turns only unless specified.)

- A. 9 km to the north
- B. 10 km to the south
- C. 8 km to the south
- D. 7 km to the south

Q54 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- A. GJC
- B. ILE
- C. ORL
- D. LOH

Q55 General Intelligence & Reasoning

In a certain code language, 'tree third woman' is coded as 'hw gw aa' and 'ivy tree army' is coded as 'aa hi wz'. How is 'tree' coded in that language?

- A. hw
- B. aa
- C. hi
- D. gw

Q56 General Intelligence & Reasoning

If 1 is added to each even digit and 2 is subtracted from each odd digit in the number 7894562, what will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

- A. 15
- B. 16
- C. 17
- D. 13

Q57 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some plastics are metals.
All glasses are metals.

Conclusions:

(I) Some plastics are glasses.
(II) All metals are glasses.

- A. Only conclusion (I) follows.
- B. Only conclusion (II) follows.
- C. Neither conclusion (I) nor (II) follows.
- D. Both conclusions (I) and (II) follow.

Q58 General Intelligence & Reasoning

Seven people, B, C, D, I, J, K and L, are sitting around a circular table facing the centre of the table. I sits to the immediate left of D. J is the immediate neighbour of both B and K. K sits third to the left of D. L is not an immediate neighbour of K. Who sits second to the right of C?

- A. I
- B. D
- C. K
- D. J

Q59 General Intelligence & Reasoning

A, B, C, D, E and F are sitting around a circular table, facing the centre. E sits third to the right of A. D sits to the immediate left of B. B is not an immediate neighbour of A. F sits to the immediate right of C. The position(s) of how many persons will remain unchanged if all the persons are arranged in the English alphabetical order in the clockwise direction starting from A (including A)?

- A. Three
- B. One
- C. Two
- D. Four



Q60 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

LR21 MS30 NT39 OU48 ?

A. PU57

B. PU58

C. PV57



D. PV58

Q61 General Intelligence & Reasoning

What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$81 \times 9 - 11 \div 2 + 6 = ?$$

A. 25



B. 23

C. 24

D. 26

Q62 General Intelligence & Reasoning

Six people, A, B, C, D, E and F, are sitting in a row facing north. Only three people are sitting to the right of A. Only one person is sitting between A and C. E is sitting second to the extreme left end of the row. B is not the immediate neighbour of A. F is sitting to the immediate left of B. F is sitting to the immediate right of A. Who is sitting at the extreme left end of the row?

A. B

B. C



C. D

D. E

Q63 General Intelligence & Reasoning

Amit ranked 14th from the top and 55th from the bottom in his class. How many students are there in his class?

A. 66

B. 68



C. 69

D. 67

Q64 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

127 135 145 157 171 ?

A. 185

B. 191

C. 187



D. 189

Q65 General Intelligence & Reasoning

In a certain code language, 'bat fan world' is coded as 'vd ru ua' and 'world olive union' is coded as 'ru bi rl'. How is 'world' coded in that language?

A. vd

B. bi

C. ru



D. ua

Q66 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

11 13 16 20 '?' 31

A. 23

B. 29

C. 25



D. 28

Q67 General Intelligence & Reasoning

Which of the following numbers will replace the question mark (?) in the given series?

20, 20, 400, 23, 23, 529, 26, 26, ?

A. 661

B. 861

C. 761

D. 676



Q68 General Intelligence & Reasoning

Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) 9 & 8 2 * 1 © \$ 1 4 % £ 6 © 3 % 9 # 8 9 3 (Right)

How many such numbers are there, each of which is immediately preceded by a number and also immediately followed by a number?

A. 1



B. 3

C. 2

D. 0

Q69 General Intelligence & Reasoning

Refer to the given series and answer the question that follows. All numbers are single digit numbers only. Counting to be done from left to right,

(Left) 9 3 2 2 4 6 1 7 7 5 8 7 6 9 5 2 4 7 8 5 3 7 8 4 2 6 7 (Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

A. 2

B. 5

C. 4

D. 3

**Q70 General Intelligence & Reasoning**

Refer to the following number, symbol series and answer the question. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 5 * 1 & 1 6 \$ © * 3 8 # © € 1 & © 1 © 8 % 4 (Right)

How many such numbers are there, each of which is immediately preceded by a number and also immediately followed by a symbol?

A. 5

B. 2



C. 4

D. 1

Q71 General Intelligence & Reasoning

Refer to the given number series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 8 4 1 9 2 5 8 1 4 6 8 7 2 4 1 6 8 7 2 6 4 9 3 5 1 7 1 (Right)

How many such even numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

A. One

B. More than three

C. Two



D. Three

Q72 General Intelligence & Reasoning

Seven boxes B, C, D, I, J, K and L are kept one over the other but not necessarily in the same order. Only two boxes are kept between J and B. Only K is kept above I. Only two boxes are kept between K and J. C is kept at some place below L but at some place above D. How many boxes are kept between C and L?

A. Two

B. Four

C. Three

D. One

**Q73 General Intelligence & Reasoning**

If 'A' stands for '÷', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark '?' in the following equation?

6 D 18 A 9 C 3 B 4 = ?

A. 14

B. 17

C. 15

D. 16

**Q74 General Intelligence & Reasoning**

In a certain code language,
A + B means 'A is the daughter of B',
A - B means 'A is the brother of B',
A x B means 'A is the wife of B',
A ÷ B means 'A is the father of B'.

Based on the above, how is D related to J if 'D + F - G x H ÷ J'?

A. Mother's brother's wife

B. Father's brother's wife

C. Father's brother's daughter

D. Mother's brother's daughter



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Q75 General Intelligence & Reasoning

HM 16 is related to JQ 19 in a certain way. In the same way, CH 22 is related to EL 25. To which of the given options is MR 27 related, following the same logic?

- A. QZ 29
- B. QV 30
- C. QV 29
- D. OV 30

**Q76 General Intelligence & Reasoning**

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All Titanium are Tungsten.
Some Tungsten are Lead.
Some Lead are Cadmium.

Conclusions:

- (I) Some Lead are Titanium.
- (II) No Cadmium are Tungsten.

- A. Only conclusion (I) follows
- B. Only conclusion (II) follows
- C. Neither conclusion (I) nor (II) follows
- D. Both conclusions (I) and (II) follow

**Q77 General Intelligence & Reasoning**

Select the set in which the numbers are related in the same way as are the numbers of the following sets.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(24, 480, 10)
(12, 552, 23)

- A. (13, 293, 11)
- B. (4, 80, 10)
- C. (19, 691, 18)
- D. (11, 51, 2)

**Q78 General Intelligence & Reasoning**

Aasish starts from point A and drives 62 km towards west. He then takes a right turn, drives 58 km, turns right and drives 64 km. He then takes a right turn and drives 78 km. He takes a final right turn, drives 2 km and stops at point P. How far (shortest distance) and towards which direction should he drive in order to reach point A again?

(Note: All turns are 90° turns only unless specified.)

- A. 18 km to the south
- B. 19 km to the north
- C. 20 km to the north
- D. 17 km to the south

**Q79 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

PPE NOH LNK JMN ?

- A. LPI
- B. YHT
- C. HYU
- D. HLQ

**Q80 General Intelligence & Reasoning**

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- A. AE-HD
- B. JN-QL
- C. GK-NI
- D. DH-KF



Q81 General Awareness

In which country did the Indian Army participate in the multinational peacekeeping Exercise Khaan Quest 2025 held in June 2025?

- A. Belarus
- B. Mongolia ✓
- C. South Africa
- D. Turkmenistan

Q82 General Awareness

Who is the recipient of the 2025 PSA Women's Young Player of the Season Award?

- A. Dipika Pallikal
- B. Anahat Singh ✓
- C. Anaka Alankamony
- D. Joshna Chinappa

Q83 General Awareness

Who became the first Indian to receive the prestigious Fred Darrington Sand Master Award in April 2025?

- A. Subodh Gupta
- B. M.F. Husain
- C. Sudarsan Pattnaik ✓
- D. Raghunath Mohapatra

Q84 General Awareness

Which of the following specific subgroup receives treatment for diarrhoea under the Stop Diarrhoea Campaign launched in June/July 2025?

- A. Pregnant women experiencing diarrhoea
- B. School-going children with diarrhoea
- C. Children under five suffering from diarrhoea ✓
- D. Rural children above six years with diarrhoea

Q85 General Awareness

Which among the following organisations released the Supervisory Data Quality Index (sDQI) report in March 2025?

- A. State Bank of India (SBI)
- B. Reserve Bank of India (RBI) ✓
- C. Securities and Exchange Board of India (SEBI)
- D. National Payments Corporation of India (NPCI)

Q86 General Awareness

In May 2025, in which state did the Defence Research and Development Organisation (DRDO) successfully conduct the maiden flight-trial of its Stratospheric Airship Platform?

- A. Madhya Pradesh ✓
- B. Maharashtra
- C. Andhra Pradesh
- D. Rajasthan

Q87 General Awareness

Who among the following was appointed as the first female chief of MI6 in June 2025?

- A. Blaise Metreweli ✓
- B. Barbara Woodward
- C. Stella Rimington
- D. Anne Keast-Butler

Q88 General Awareness

Which legislation enacted in August 2025 provides a regulatory framework for safe online gaming in India and aims to protect citizens from the threat of online money-gaming activities?

- A. The Promotion and Regulation of Online Gaming Bill, 2025 ✓
- B. The Internet Safety and Gaming Bill, 2025
- C. The Responsible Digital Gaming Bill, 2025
- D. The Online Gaming (Control and Regulation) Bill, 2025

Q89 General Awareness

How long was the planned duration of the Ax-4 mission aboard the ISS?

- A. 14–21 days ✓
- B. 24–31 days
- C. 64–71 days
- D. 44–51 days

Q90 General Awareness

What was the cash prize awarded to the winner of the inaugural 2025 Dow Impact Award for innovation and sustainability in golf?

- A. \$48,000
- B. \$20,000
- C. \$35,000
- D. \$25,000 ✓



Q91 General Awareness

As per the Economic Survey 2024-25, during April–September period of financial year 2024-25, the insurance sector attracted about how much percentage Foreign Direct Investment (FDI) into the services sector?

A. 62%



B. 76%

C. 68%

D. 55%

Q92 General Awareness

Menar, one of the newly added wetlands to Ramsar sites, is located in which state?

A. Maharashtra

B. Rajasthan



C. Goa

D. Gujarat

Q93 General Awareness

Which of the following groups received Personal Protective Equipment kits from the Ministry of Social Justice and Empowerment during National Action for Mechanised Sanitation Ecosystem Day in July 2025?

A. Farmers working in rural areas

B. Anganwadi workers in community centres

C. Sewer and septic tank workers



D. Teachers working in government schools

Q94 General Awareness

Which day is recognised to promote cycling as a sustainable mode of transport internationally and India as well?

A. 3 June



B. 12 May

C. 13 February

D. 12 April

Q95 General Awareness

Which of the following countries hosted the AI Action Summit 2025 held in February 2025?

A. India

B. United States

C. Paris



D. Japan

Q96 General Awareness

Who won the 2025 Laureus World Sportsman of the Year?

A. Carlos Alcaraz

B. Armand 'Mondo' Duplantis



C. Tadej Pogačar

D. Max Verstappen

Q97 General Awareness

When was the Pan-India Fire Safety Week observed by the Ministry of Health and Family Welfare in April 2025?

A. April 25–29

B. April 21–25



C. April 14–18

D. April 18–22

Q98 General Awareness

Which of the following Government of India initiatives focuses on advancing research and development in emerging areas such as quantum computing, communication, and sensing with a budget outlay of around ₹6,000 crore for 2023–2031?

A. National Nanotechnology Mission (NNM)

B. National Supercomputing Mission (NSM)

C. Digital India Mission

D. National Quantum Mission (NQM)

**Q99 General Awareness**

What is the total amount allocated to the Ministry of Youth Affairs and Sports in the union budget 2025-2026?

A. ₹2,500 crore

B. ₹5,000 crore

C. ₹1,000 crore

D. ₹3,794 crore

**Q100 General Awareness**

According to the the Sustainable Development Report 2025, what is the percentage of the population with access to electricity in India?

A. 97.3%

B. 99.2%



C. 95.8%

D. 89.8%



General Science

25 Questions • Answer Key

Q1 General Science

Which of the following statements about the Archimede's Principle is correct?

- A. When a body is immersed fully or partially in a fluid, it experiences an upward force that is much less than the weight of the fluid displaced by it.
- B. When a body is immersed fully or partially in a fluid, it experiences a downward force that is equal to the weight of the fluid displaced by it.
- C. When a body is immersed fully or partially in a fluid, it experiences an upward force that is equal to the weight of the fluid displaced by it. ✓
- D. When a body is immersed fully or partially in a fluid, it experiences a downward force that is much less than the weight of the fluid displaced by it.

Q2 General Science

What are the unwanted impurities such as soil and sand present in an ore called?

- A. Alloy
- B. Flux
- C. Slag
- D. Gangue ✓

Q3 General Science

Consider the following statements and select the correct option.

Statement A: Salts of strong acids and strong bases are neutral with pH 7.
Statement B: Sodium chloride is an example of a neutral salt.

- A. Statement A is correct but B is incorrect.
- B. Statement A is incorrect but B is correct.
- C. Both statements A and B are incorrect.
- D. Both statements A and B are correct. ✓

Q4 General Science

If resistors are connected in series, the total or equivalent resistance is _____.

- A. Reciprocal of sum of reciprocals
- B. Product of individual resistances
- C. Sum of individual resistances ✓
- D. Always less than any single resistor

Q5 General Science

Which of the following statements is correct about the force?

- A. Force is a scalar quantity measured in Joule.
- B. Force is a vector quantity measured in Joule.
- C. Force is a vector quantity measured in Newton. ✓
- D. Force is a scalar quantity measured in Newton.

Q6 General Science

Which of the following tissues have contractile proteins that contract and relax to cause movement?

- A. Squamous epithelium tissue
- B. Muscular tissue ✓
- C. Nervous tissue
- D. Cuboidal epithelium tissue

Q7 General Science

Which of the following statements correctly defines the principal axis of a spherical mirror?

- A. The line passing through the focus and object
- B. The tangent at the pole
- C. The perpendicular line drawn from the pole
- D. The line passing through the centre of curvature and pole ✓

Q8 General Science

What is an ion in chemistry?

- A. An atom with only neutrons
- B. A radioactive stable particle
- C. A neutral molecule of atom
- D. A charged atom or molecule ✓

Q9 General Science

The calculated formula unit mass of Na_2SO_4 is:

- A. 140 u
- B. 146 u
- C. 142 u ✓
- D. 148 u



Q10 General Science

The frequency of a sound wave is 250 Hz. What is its time period?

- A. 25 s
- B. 40 s
- C. 0.004 s
- D. 0.25 s

**Q11 General Science**

Which of the following substances is NOT an example of biodegradable substance?

- A. Plastic bags
- B. Spoilt food
- C. Vegetable peels
- D. Waste paper

**Q12 General Science**

Washing soda is prepared by heating which compound?

- A. Sodium bicarbonate (baking soda)
- B. Calcium carbonate
- C. Sodium chloride
- D. Calcium oxide

**Q13 General Science**

Which of the following observations from Rutherford's alpha-particle scattering experiment led to the conclusion that most of the atom's volume is empty?

- A. Most of the alpha particles passed straight through the gold foil.
- B. A few alpha particles were deflected by 180°.
- C. Some alpha particles were deflected by small angles.
- D. Alpha particles were attracted towards electrons in the atom.

**Q14 General Science**

Which of the following substances have a high chance of contributing to the phenomenon of biological magnification?

- A. Pesticide
- B. Neem bark
- C. Rose petals
- D. Orange peel

**Q15 General Science**

Which of the following statements about complex permanent tissue is correct?

- A. Complex tissues are made of identical cells performing different functions.
- B. Complex tissues consist of loosely packed parenchyma cells for storage.
- C. Complex tissues are only found in animals for transporting oxygen.
- D. Xylem and phloem are complex tissues that help in conduction and form vascular bundles.

**Q16 General Science**

Which of the following statements is true?

- A. More work done in less time means more power.
- B. Work done does not affect power.
- C. Power decreases when work increases.
- D. Power and work are independent of each other.

**Q17 General Science**

In sexually reproducing organisms, how many versions of each trait does a child inherit?

- A. One version in total
- B. One version from each parent
- C. One version from father only
- D. Two versions from the mother only

**Q18 General Science**

What type of solution causes water to move out of a cell through the plasma membrane, making the cell shrink?

- A. Dilute solution
- B. Hypertonic solution
- C. Hypotonic solution
- D. Isotonic solution

**Q19 General Science**

Why the manufacturers of chips flush chips bags with nitrogen before packing?

- A. Nitrogen prevents rancidity.
- B. Nitrogen acts as preservative.
- C. Nitrogen acts as taste enhancer.
- D. Nitrogen prevents reduction of oil.



Q20 General Science

Propanone belongs to which homologous series?

- A. Ketone ✓
- B. Alcohol
- C. Ester
- D. Aldehyde

Q21 General Science

The angle between the incident ray and the emergent ray from a prism is called _____.

- A. Angle of prism
- B. Angle of incidence
- C. Critical angle
- D. Angle of deviation ✓

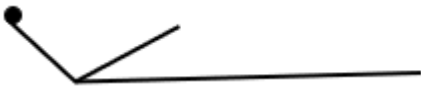
Q22 General Science

Which of the following is an advantage of vegetative propagation?

- A. All new plants are genetically different from the parent.
- B. It requires cross-pollination to occur.
- C. It allows propagation of seedless plants such as banana. ✓
- D. Plants grown this way take longer to bear fruits.

Q25 General Science

A smooth ball is resting on an ideal frictionless plane inclined on both sides. The ball is released from the left and the angle of right plane inclination is small in Case-I and zero in Case-II (flat). The ball travels _____ compared to the equally inclined case.



- A. farther distance in Case-I and moves forever in Case-II ✓
- B. equal distance in Case-I and moves forever in Case-II
- C. equal distance in Case-I and farther distance in Case-II
- D. small distance in Case-I and equal distance in Case-II

Q23 General Science

Three resistors of $4\ \Omega$, $8\ \Omega$, and $12\ \Omega$ are connected in series across a 12 V battery. The current in the circuit is:

- A. 1 A
- B. 4 A
- C. 2 A
- D. 0.5 A ✓

Q24 General Science

In which of the following groups of organisms sex determination occurs due to environmental temperature?

- A. All birds
- B. Few reptiles ✓
- C. Human beings
- D. All fishes



Q26 Mathematics

Two banks, A and B, offered loans at 3.5% and 7% per annum, respectively. Keshav borrowed an amount of ₹4,80,000 from each bank. Find the positive difference (in ₹) between the amounts of simple interest paid to the two banks by Keshav after 2 years.

A. 33,600



B. 35,100

C. 33,100

D. 34,600

Q27 Mathematics

If 30 workers earn ₹4140 in 4 days, how much (in ₹) will 55 workers earn in 10 days?

A. 18,475

B. 19,175

C. 18,725

D. 18,975

**Q28 Mathematics**

Amit and Deeksha together invested ₹46,800 in a business. At the end of the year, out of a total profit of ₹8,700, Amit's share was ₹2,900. What was the investment of Amit?

A. ₹15,600



B. ₹17,445

C. ₹16,730

D. ₹15,225

Q29 Mathematics

A number when multiplied by 3 and then added to 8, results in 29. What is the number?

A. 8

B. 7



C. 5

D. 6

Q30 Mathematics

Arrange the following schemes in the ascending order of their discounts.

A. Buy 3 get 2 free.

B. A single discount of 65%.

C. Two successive discounts of 31% and 40%.

A. A, C, B



B. B, A, C

C. C, B, A

D. A, B, C

Q31 Mathematics

The income of Raman is ₹68,500. He saves 22.5% of his income. If his income increases by 14% and expenditure increases by 40%, then his savings will:

A. decrease by ₹11,647

B. decrease by ₹11,645



C. increase by ₹11,642

D. increase by ₹11,647

Q32 Mathematics

If 20% of a number is added to 72, then the result is the same number. 60% of the same number is:

A. 74

B. 64

C. 84

D. 54

**Q33 Mathematics**

The average age of 25 students of a class is 27 years. If the age of the teacher is also included, the average age of the whole group becomes 28 years. The age (in years) of the teacher is:

A. 53



B. 56

C. 55

D. 52



Q34 Mathematics

The ratio of the price per unit of lemon chocolate to that of strawberry chocolate is 22 : 6, and a family consumes them in the ratio of 14 : 23 by quantity. Determine the ratio of the expenditure on strawberry chocolate to that on lemon chocolate.

- A. 71 : 159
- B. 68 : 157
- C. 69 : 154
- D. 67 : 156

**Q35 Mathematics**

A flight travels a distance of 1,200 km in 3 hours. What is the speed of the flight?

- A. 400 km/hr
- B. 200 km/hr
- C. 382 km/hr
- D. 425 km/hr

**Q36 Mathematics**

A class of 69 students took a Physics test. 17 students had an average score of 94. The other students had an average score of 84. What is the average score (rounded off to one decimal place) of the whole class?

- A. 89.3
- B. 86.5
- C. 82.8
- D. 95.7

**Q37 Mathematics**

A, B and C can do a piece of work in 2, 5 and 20 days, respectively. How long (in days) will they take to do thrice the same work, working together?

- A. 4
- B. 12
- C. 8
- D. 5

**Q38 Mathematics**

A baker sells 100 cupcakes and earns a profit equal to the selling price of 20 cupcakes. What is his profit percentage?

- A. 20%
- B. 25%
- C. 18%
- D. 33.33%

**Q39 Mathematics**

The marked price of a bed is ₹744, which is 36% above the cost price. If the profit percentage is 20%, find the discount percentage (rounded off to two decimal places).

- A. 12.89%
- B. 11.27%
- C. 10.39%
- D. 11.76%

**Q40 Mathematics**

Five years ago, the ratio of the ages of two buildings was 7 : 2. Five years hence, the ratio will be 3 : 1. What is the present age of the newer building?

- A. 55 years
- B. 40 years
- C. 50 years
- D. 45 years

**Q41 Mathematics**

If the price of a product is first increased by 18% and then decreased by 22%. Find the percentage change in the price (correct to two places of decimals).

- A. Increased 7.96%
- B. Increased 5.85%
- C. Decreased 7.96%
- D. Decreased 5.85%

**Q42 Mathematics**

P is any point inside the rectangle ABCD. If PA = 86 cm, PB = 49 cm and PC = 79 cm, then the length of PD (in cm) is equal to:

- A. 105
- B. 106
- C. 104
- D. 107

**Q43 Mathematics**

A solid sphere of radius 7 cm is coated with a layer of paint that increases its radius to 7.5 cm, find the volume of the painted layer. (Use $\pi = 22/7$ and round off your answer to the nearest integer)

- A. 442 cm³
- B. 331 cm³
- C. 330 cm³
- D. 440 cm³



Q44 Mathematics

A camp has provisions for 42 pupils for 12 days. In how many days will the same provisions finish off if the strength of the camp is increased to 63 pupils?

A. 9

B. 7

C. 11

D. 8

**Q45 Mathematics**

If $x^2 + \frac{1}{x^2} = 79$, then a possible value of $(x + \frac{1}{x})$ is:

A. 6

B. 7

C. 9

D. 8

**Q46 Mathematics**

A train of length 299 m takes 12 seconds to pass another train 101 m long coming from the opposite direction. If the speed of the first train is 71 km/hr, then find the speed of the second train.

A. 48 km/hr

B. 41 km/hr

C. 56 km/hr

D. 49 km/hr

**Q47 Mathematics**

A hollow metallic sphere with an external radius of 10 cm and an internal radius of 6 cm is melted and recast into a solid cone with a base radius of 8 cm. What is the height of the cone? (Use $\pi = \frac{22}{7}$)

A. 49 cm

B. 42 cm

C. 52 cm

D. 45 cm

**Q48 Mathematics**

Simplify: $\frac{2^3 \times 3^{-2} \times 5^4}{6^{-1} \times 10^2}$.

A. $2^4 \times 3^{-1} \times 5^2$

B. $2^2 \times 3^{-3} \times 5^3$

C. $2^2 \times 3^{-1} \times 5^2$

D. $2^1 \times 3^{-2} \times 5^2$



Q49 Mathematics

A cistern of dimensions 100 cm × 80 cm × 120 cm is fitted with an inlet pipe and an outlet pipe. The inlet pipe pours in 2000 cm³ of water per minute and the outlet pipe can empty the full tank in 3 hours and 20 minutes. If the tank is full and both pipes are open, then how many hours will it take to empty the cistern?

A. 4

B. 5

C. $5\frac{5}{7}$ D. $4\frac{5}{7}$ **Q50 Mathematics**

Find the value of $\frac{\sin 15^\circ}{\cos 75^\circ} + \frac{\cos 78^\circ}{\sin 12^\circ} - 1$.

A. 0

B. 2

C. 3

D. 1

**General Intelligence & Reasoning**

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

This question is based on the five, three-digit numbers given below.

(Left) 316 562 149 379 433 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

What will be the resultant if the second digit of the highest number is added to the third digit of the lowest number?

A. 11

B. 13

C. 9

D. 15

**Q52 General Intelligence & Reasoning**

A, B, C, D, W, X and Y are sitting around a circular table facing the centre of the table. Only four people sit between B and A when counted from the right of B. B sits third to the left of X. W sits third to the left of Y. C is an immediate neighbour of both A and X. How many people sit between D and C when counted from the right of D?

A. Two



B. One

C. Three

D. Four



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Q53 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some books are novels.
All novels are stories.

Conclusions:

(I): Some stories are books.
(II): No books are stories.

- A. Only conclusion (II) follows
- B. Neither conclusion (I) nor (II) follows
- C. Both conclusions (I) and (II) follow
- D. Only conclusion (I) follows

Q54 General Intelligence & Reasoning

Seven boxes A, B, C, D, I, J and K are kept one over the other but not necessarily in the same order. K is kept second from the bottom. Only three boxes are kept between K and I. D is kept at one of the positions below K. Only B is kept between I and J. A is kept at one of the positions above I. How many boxes are kept between C and D?

- A. Two
- B. Four
- C. One
- D. Three

Q55 General Intelligence & Reasoning

If 'A' stands for '×', 'B' stands for '÷', 'C' stands for '-' and 'D' stands for '+', what will come in place of the question mark (?) in the following equation?

$$14 \text{ B } 2 \text{ D } 10 \text{ A } 5 \text{ C } 12 = ?$$

- A. 45
- B. 48
- C. 50
- D. 43

Q56 General Intelligence & Reasoning

In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

SWAP - WSAP - PAWS
ALSO - LASO - OSLA

- A. EARN - AERN - ARNE
- B. CROW - CORW - WORC
- C. USER - SUER - RESU
- D. TIDE - ITDE - EIDT

Q57 General Intelligence & Reasoning

If + means -, - means ×, × means ÷, ÷ means +, then what will come in place of the question mark (?) in the following equation?

$$12 - 15 \div 143 + 98 \times 7 = ?$$

- A. 309
- B. 303
- C. 306
- D. 312

Q58 General Intelligence & Reasoning

Aditi starts from Point A and drives 10 km towards the west. She then takes a left turn, drives 8 km, turns right and drives 5 km. She then takes a left turn and drives 8 km. She then takes a left turn and drives 15 km. She takes a final right turn, drives 4 km and stops at Point D. How far (shortest distance) and in which direction is Point D with respect from Point A?

(All turns are 90° turns only unless specified.)

- A. 16 km towards north
- B. 20 km towards south
- C. 11 km towards east
- D. 18 km towards south



Q59 General Intelligence & Reasoning

In a certain code language,

'A ? B' means 'A is the daughter of B',
 'A = B' means 'A is the son of B',
 'A @ B' means 'A is the father of B' and
 'A √ B' means 'A is the sister of B'.

How is C related to L if 'C ? D = E @ F √ L'?

- A. Daughter
- B. Brother's wife
- C. Sister's daughter
- D. Brother's daughter** ✓

Q60 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- A. HL-OJ
- B. DH-KF
- C. BF-IE** ✓
- D. FJ-MH

Q61 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(6, 72, 12)
 (5, 60, 12)

- A. (4, 48, 13)
- B. (3, 36, 12)** ✓
- C. (7, 82, 12)
- D. (2, 24, 14)

Q62 General Intelligence & Reasoning

Which of the given letter-number clusters will replace the question mark (?) in the following series to make it logically complete?

ECP 1 GEM –2 IGJ 4 KIG –8 ?

- A. MKK –13
- B. MKD 16** ✓
- C. KMD 15
- D. LKM –19

Q63 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some rabbits are fans.
 No fan is a car.

Conclusions:

(I): Some rabbits are cars.
 (II): Some fans are rabbits.

- A. Only conclusion (I) follows
- B. Neither conclusion (I) nor (II) follows
- C. Only conclusion (II) follows** ✓
- D. Both conclusions (I) and (II) follow

Q64 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

10, 23, 49, 88, 140, ?

- A. 206
- B. 205** ✓
- C. 204
- D. 207

Q65 General Intelligence & Reasoning

Which letter-cluster will replace the question mark (?) in the following series to make it logically complete?

IDR LGQ OJP RMO ?

- A. UOO
- B. VPO
- C. UPN** ✓
- D. VON



Q66 General Intelligence & Reasoning

In a certain code language, 'LOVE' is coded as '4958' and 'VALE' is coded as '3589'. What is the code for 'A' in the given code language?

A. 3



B. 5

C. 9

D. 8

Q67 General Intelligence & Reasoning

Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) ? * + ? \ & 3 # 9 % 4 1 6 * @ 5 4 8 8 \$ \ (Right)

How many such numbers are there each of which is immediately preceded by another number and also immediately followed by a symbol?

A. Three

B. Two



C. One

D. Four

Q68 General Intelligence & Reasoning

In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one that follows the same logic.

RAGE - ARGE - EARG
QUIZ - UQIZ - ZUQI

A. HERD - EHRD - DEHR



B. COLD - OCLD - DOLC

C. KIND - KNID - DNIK

D. SAME - ASME - AMES

Q69 General Intelligence & Reasoning

Srinivas ranked 2nd from the top and 19th from the bottom in his class. How many students are there in the class?

A. 18

B. 20



C. 19

D. 21

Q70 General Intelligence & Reasoning

TQKG is related to XUOK in a certain way based on the English alphabetical order. In the same way, SPJF is related to WTNJ. To which of the given options is ROIE related, following the same logic?

A. UQKI

B. VPMF

C. UPKF

D. VSMI

**Q71 General Intelligence & Reasoning**

If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 4651783. What will be the sum of the highest digit and the second from the left and first from the right in the new number thus formed?

A. 14

B. 16



C. 12

D. 19

Q72 General Intelligence & Reasoning

In a certain code language, 'CORM' is coded as '9518' and 'MORE' is coded as '5831'. What is the code for 'E' in the given code language?

A. 3



B. 8

C. 1

D. 5

Q73 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series to make it logically complete?

20 34 21 35 22 36 ?

A. 38

B. 37

C. 24

D. 23



Q74 General Intelligence & Reasoning

Refer to the given number, symbol series and answer the question that follows.

(Left) 7 \$ 5 @ 3 ! 3 5 6 7 & % \$ 3 # 2 7 + ? > < (Right)

If all the numbers are dropped from the series, which of the following will be seventh from the right?

A. @

B. #

C. %

D. \$

Q75 General Intelligence & Reasoning

P, Q, R, S, T and U are sitting in a row facing the north. S is sitting to the immediate left of Q. P is sitting to the immediate right of Q. U is sitting to the immediate right of P and immediate left of T. S and R are sitting at the ends of the line not necessarily in the same order. Who is sitting to the immediate right of T?

A. P

B. S

C. Q

D. R

Q76 General Intelligence & Reasoning

O, P, Q, R, W, X and Y are sitting in a straight line facing north.

Only three people sit to the left of P. Only R sits to the right of Q. Only three people sit between Q and O. X sits at some place to the left of Y but at some place to the right of W. How many people sit between W and Y?

A. Two

B. Three

C. One

D. Four

Q77 General Intelligence & Reasoning

Raghu starts from Point Y and drives 18 km towards west. He then turns right and drives 26 km, takes a left turn, drives 30 km, turns left and drives 68 km. He then takes a right turn and drives 31 km. He takes a right turn, drives 42 km, turns left and drives 16 km to stop at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again?

(All turns are 90° turns only unless specified.)

A. 97 km towards east

B. 91 km towards west

C. 89 km towards west

D. 95 km towards east

Q78 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

5 8 14 23 35 50 ?

A. 68

B. 65

C. 67

D. 69

Q79 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). (Counting to be done from left to right only.)

(Left) 1 3 1 8 9 3 1 9 9 3 4 8 6 3 2 4 7 9 5 5 9 7 5 4 1 5 3
(Right)

How many such even numbers are there each of which is immediately preceded by an odd number and also immediately followed by an even number?

A. 1

B. 2

C. 3

D. 4

Q80 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. MJ-TM

B. VS-DV

C. DA-KD

D. LI-SL



Q81 General Awareness

In May 2025, minutes after the PSLV-C61, carrying the earth observation satellite EOS-09, lifted off from the Satish Dhawan Space Centre in Sriharikota, the space agency reported a glitch in the ____.

- A. first stage of the launch vehicle
- B. fourth stage of the launch vehicle
- C. second stage of the launch vehicle
- D. third stage of the launch vehicle** ✓

Q82 General Awareness

India's first-of-its-kind Urban Flood Management Cell (UFMC) powered by Canarys Automations Ltd was inaugurated in which of the following cities in July 2025?

- A. Bhopal
- B. Pune
- C. Gorakhpur** ✓
- D. Guwahati

Q83 General Awareness

Which of the following states became the first to launch the Tribal Genome Sequencing Project in July 2025?

- A. Odisha
- B. Jharkhand
- C. Chhattisgarh
- D. Gujarat** ✓

Q84 General Awareness

In August 2025, Union Health Secretary, Punya Salila Srivastava, virtually inaugurated an innovative national mechanism aimed at evaluating and improving state drug regulatory frameworks through an open and evidence-based approach named ____.

- A. Health Infrastructure Performance Index
- B. State Health Regulatory Excellence Index** ✓
- C. Pharmaceutical Compliance Monitoring Index
- D. National Drug Regulatory Reform Index

Q85 General Awareness

India joined which European drone programme as an observer in January 2025?

- A. nEUROn
- B. Eurodrone** ✓
- C. Global Hawk
- D. Predator XP

Q86 General Awareness

Who among the following won the Laureus World Action Sports person of the Year award in 2025?

- A. Tom Pidcock** ✓
- B. Yuto Horigome
- C. Kelly Slater
- D. Chloe Kim

Q87 General Awareness

What was India's rank in the Global Innovation Index (GII), 2025, released by the World Intellectual Property Organization (WIPO)?

- A. 43rd
- B. 38th** ✓
- C. 28th
- D. 33rd

Q88 General Awareness

Which Indian footballer received the Padma Shri in 2025 for his contributions to the sport?

- A. Bhaichung Bhutia
- B. IM Vijayan** ✓
- C. Sunil Chhetri
- D. Sandesh Jhingan

Q89 General Awareness

Which of the following schemes announced a financial outlay of ₹5,000 crore to promote research & innovation in the pharmaceutical and med-tech sectors in India?

- A. Atmanirbhar Bharat Abhiyan
- B. Startup India
- C. PRIP scheme** ✓
- D. Smart Cities Mission



Q90 General Awareness

India's 2030 climate target aims to reduce the intensity of emissions by what percentage as per the report by Council on Energy, Environment and Water (CEEW) and Alliance for an Energy Efficient Economy (AEEE), published in 2025?

A. 60%

B. 20%

C. 35%

D. 45%

**Q91 General Awareness**

Which country's authorities were flagged by India in 2025 for hybrid cannabis smuggling via couriers?

A. Myanmar

B. Thailand



C. Afghanistan

D. Nigeria

Q92 General Awareness

Which Indian javelin thrower won the Ostrava Golden Spike event in 2025?

A. Annu Rani

B. Neeraj Chopra



C. Rohit Yadav

D. Kishore Kumar

Q93 General Awareness

Which filmmaker returned to the Cannes Film Festival 2025 as a main jury member after winning the Grand Prix in 2024?

A. Vikramaditya Motwane

B. Anuradha Roy

C. Neeraj Ghaywan

D. Payal Kapadia

**Q94 General Awareness**

Which of the following states activated a 24x7 flood-control room after rivers Subarnarekha, Budhabalanga and Jalaka swelled in June 2025?

A. Odisha



B. Assam

C. Bihar

D. West Bengal

Q95 General Awareness

Who won India's only gold medal in women's freestyle wrestling at the Asian Wrestling Championships, 2025?

A. Reetika Hooda

B. Manisha Bhanwala



C. Antim Panghal

D. Vinesh Phogat

Q96 General Awareness

What are the revised investment caps for Foreign Portfolio Investors (FPIs) in corporate bonds for FY 2025-26, as announced by the Reserve Bank of India (RBI) in April 2025?

A. 18%

B. 15%



C. 12%

D. 10%

Q97 General Awareness

Who took office as the Deputy Governor of the RBI on 2 April 2025?

A. Michael Debroy

B. Poonam Gupta



C. Michael Patra

D. Ashwani Bhatia

Q98 General Awareness

According to the Union Budget 2025-26, how many new Day Care Cancer Centres will be set up in district hospitals in 2025-26?

A. 200



B. 100

C. 150

D. 175

Q99 General Awareness

Which polo team made history in 2025 by sweeping all major awards for the fourth consecutive year at the Indian Polo Awards held in Jaipur?

A. Royal Riders

B. Jaipur Warriors

C. Achievers



D. Desert Stallions



Q100 General Awareness

The Emerging Science, Technology and Innovation Conclave (ESTIC) 2025, conducted in November 2025, was held in _____.

A. New Delhi



B. Haryana

C. Uttar Pradesh

D. Maharashtra



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General Science

25 Questions • Answer Key

Q1 General Science

From the given alternatives, which method of asexual reproduction involves the formation of a new plant from the broken portion of the parent plant?

A. Fragmentation



B. Binary fission

C. Fertilisation

D. Spore formation

Q2 General Science

Which statement best describes a homologous series of organic compounds?

A. A series of compounds having the same general formula, similar chemical properties, and consecutive members differing by a $-\text{CH}_2-$ group



B. A series of elements with similar physical properties

C. A series of compounds that all have branched chains

D. A series of compounds with different functional groups but the same molecular formula

Q3 General Science

Which of the following is a molecule of a compound?

A. H_2O



B. O_2

C. H_2

D. N_2

Q4 General Science

Which of the following products is formed when carbon dioxide reacts with calcium hydroxide (lime water)?

A. Calcium oxide

B. Sodium carbonate

C. Calcium bicarbonate

D. Calcium carbonate



Q5 General Science

In human female, when egg is not fertilised, which of the following process takes place?

A. Zygote formation

B. Menstruation



C. Parturition

D. Embryo development

Q6 General Science

Two wires, A and B, of the same material, have the same length, but the cross-sectional area of wire A is twice that of wire B. The ratio of their resistances $R_A : R_B$ is:

A. 1 : 1

B. 1 : 2



C. 4 : 1

D. 2 : 1

Q7 General Science

Which of the following statements is NOT true according to the sign convention for spherical lenses?

A. The focal length of a concave lens is negative.

B. Object distance is negative.

C. The focal length of a convex lens is positive.

D. Object height is negative when the object is placed above the principal axis.



Q8 General Science

A particle's velocity-time graph is a straight line with a negative slope. What does this indicate about the particle's motion?

A. The particle is slowing down if moving in the positive direction.



B. The particle is moving with increasing acceleration.

C. The particle is at rest.

D. The particle is speeding up in the positive direction.



Q9 General Science

Which of the following reactions demonstrates the acidic nature of ethanoic acid?

- A. Ethanoic acid + Sodium hydroxide → Sodium ethanoate + Water ✓
- B. Ethanoic acid + Sodium → Sodium ethanoate + Hydrogen gas
- C. Ethanoic acid + Methanol → Methanoic acid + Ethane
- D. Ethanoic acid + Ethanol → Ester + Water

Q10 General Science

A farmer lives near a river, but the canal system in his area receives an irregular water supply from the reservoir. What should he ideally adopt for irrigation?

- A. Use of sprinklers only
- B. Flood irrigation
- C. Wells
- D. River lift system ✓

Q11 General Science

What happens if one drop of acid rain water is put on blue litmus paper?

- A. Blue litmus paper will turn red. ✓
- B. Blue litmus paper will turn yellow.
- C. No colour changes in litmus paper.
- D. Blue litmus paper will turn black.

Q12 General Science

A student connects a voltmeter across the terminals of a glowing bulb. What does the voltmeter measure?

- A. Potential difference across the bulb ✓
- B. Resistance of the bulb
- C. Current through the bulb
- D. Heat produced by the bulb

Q13 General Science

What are the main components of a neuron?

- A. Dendrites, cell body, axon and nerve endings
- B. Dendrites, cell body and axon ✓
- C. Dendrites, cell body and nerve endings
- D. Cell body, dendrites, nerve endings and synapse

Q14 General Science

What type of epithelial tissue is the outer skin made of?

- A. Cuboidal epithelium
- B. Columnar epithelium
- C. Stratified squamous epithelium ✓
- D. Simple squamous epithelium

Q15 General Science

According to Newton's second law of motion, what happens when an unbalanced force is applied to an object?

- A. The object's momentum remains unchanged
- B. The object comes to rest immediately
- C. The object's momentum changes in the direction of the applied force ✓
- D. The object moves in a circular path

Q16 General Science

A particle has zero kinetic energy. What can be concluded about the particle's motion?

- A. It is moving with uniform velocity
- B. It must be at rest ✓
- C. It is moving with high acceleration
- D. Its momentum is maximum

Q17 General Science

The expression for acceleration due to gravity on the surface of a planet of mass M and radius R is:

- A. $g = GM^2/R$
- B. $g = R/GM^2$
- C. $g = GR/M^2$
- D. $g = GM/R^2$ ✓

Q18 General Science

Which of the following statements is NOT correct regarding the nucleus?

- A. Nuclear membrane is a double-layered structure.
- B. Nucleus contains chromosomes.
- C. Nucleus plays a central role in cellular reproduction.
- D. Nuclear membrane is a non-porous and rigid structure. ✓



Q19 General Science

What is the type of reproduction beginning from the fusion of male and female gametes called?

- A. Binary fission
- B. Cloning
- C. Budding
- D. Sexual reproduction ✓

Q20 General Science

The distributions of electrons in the K, L, and M shell of the chlorine atom are:

- A. 2, 6, 5
- B. 2, 7, 7
- C. 2, 7, 8
- D. 2, 8, 7 ✓

Q21 General Science

Which of the following human activities contributes to ozone layer depletion?

- A. Conserving water
- B. Composting organic waste
- C. Using solar energy
- D. Using CFC-based refrigerants and spray cans ✓

Q22 General Science

The speed of sound (v) is calculated by multiplying which two wave properties?

- A. Wavelength and Frequency ✓
- B. Wavelength and Amplitude
- C. Amplitude and Time Period
- D. Amplitude and Frequency

Q23 General Science

Where is the centre of curvature of a convex mirror located?

- A. At the principal focus of the mirror
- B. At the pole of the mirror
- C. In front of the mirror
- D. Behind the mirror ✓

Q24 General Science

Select the correct statement from the following.

- A) The large spaces between gas particles allow them to be easily squeezed into smaller volumes.
- B) Gas particles have a high average kinetic energy.

- A. Neither A nor B
- B. Both A and B ✓
- C. Only A
- D. Only B

Q25 General Science

The formula unit mass of a substance is the sum of the atomic masses of all atoms in a formula unit of a/an:

- A. atom
- B. element
- C. compound ✓
- D. mixture

Mathematics

25 Questions • Answer Key

Q26 Mathematics

3 cups and 4 glasses cost ₹270. If 2 more glasses are purchased, then the total amount becomes ₹330. Find the cost of a cup.

- A. ₹30
- B. ₹45
- C. ₹40
- D. ₹50 ✓

Q27 Mathematics

If the expenditure of Company A in 2023 was ₹660 crore and the profit percentage was 35%, then what was its income in 2023?

- A. ₹435 crore
- B. ₹665 crore
- C. ₹231 crore
- D. ₹891 crore ✓



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Q28 Mathematics

Maya buys a mobile phone for her child. The phone is marked at ₹21,000 and is offered with two successive discounts of 5% and Z%, respectively. After receiving both discounts, she pays ₹11,172. Find the value of Z.

A. 44



B. 45

C. 42

D. 43

Q29 Mathematics

When x is added to each of 10, 14, 38 and 28, then the numbers so obtained, in this order, are in proportion. Then, if $3x : y :: y : (5x - 6)$, and $y > 0$, what is the value of y ?

A. 65

B. 78

C. 79

D. 72

**Q30 Mathematics**

A trader buys an article and sells it at a profit of 25%. The buyer again sells it at a loss of 10%. If the final selling price is ₹9,900, then what was the cost price (in ₹) of the article for the first trader?

A. 8,800



B. 8,400

C. 9,000

D. 8,000

Q31 Mathematics

The curved surface area and the volume of a cylindrical pipe is 565.2 m^2 and $1,695.6 \text{ m}^3$, respectively. Find the total surface area of the pipe.

(Use $\pi = 3.14$)

A. 548.29 m^2

B. 428.36 m^2

C. 658.76 m^2

D. 791.28 m^2

**Q32 Mathematics**

The average age of 43 students of a class is 13 years. If the age of the teacher is also included, the average age of the whole group becomes 14 years. The age (in years) of the teacher is:

A. 56

B. 57



C. 58

D. 54

Q33 Mathematics

R's age is twice the age of S and three times the age of T. S is 5 years older than T. What is the difference in ages (in years) between R and T?

A. 24

B. 28

C. 30

D. 20

**Q34 Mathematics**

If the radius of the base of a right circular cylinder is decreased by 15% and its height is increased by 149%, then what is the percentage increase (rounded to the nearest integer) in its volume?

A. 109%

B. 73%

C. 80%



D. 53%

Q35 Mathematics

Two trains, 170 metres and 220 metres in length, are running in opposite directions. The first runs at the rate of 45 km/hr and the second at the rate of 63 km/hr. How long will they take to cross each other?

A. 13 seconds



B. 17 seconds

C. 23 seconds

D. 20 seconds

Q36 Mathematics

The number of prime numbers lying between 309 and 320 is:

A. 1

B. 5

C. 4

D. 3



Q37 Mathematics

The monthly incomes of two friends, David and Ajay, are in the ratio 5 : 8, and each of them saves ₹72,000 every month. If the ratio of their monthly expenditure is 1 : 4, find the monthly income of David (in ₹).

- A. 91,000
- B. 89,000
- C. 90,000**
- D. 1,26,000

Q38 Mathematics

The income of Raman is ₹43,800. He saves 20% of his income. If his income increases by 36% and expenditure increases by 40%, then his savings will:

- A. decrease by ₹1,748
- B. increase by ₹1,752**
- C. increase by ₹1,757
- D. decrease by ₹1,753

Q39 Mathematics

The cost price of a box of notebooks is ₹7,400. The shopkeeper gave 28% discount on the cost price. What will be the selling price (in ₹)?

- A. 5,328**
- B. 5,348
- C. 5,406
- D. 5,377

Q40 Mathematics

The amount on a sum of ₹4,400 at the rate of 20% per annum compound interest, compounded annually, in 2 years will be:

- A. ₹7,289
- B. ₹5,729
- C. ₹6,336**
- D. ₹5,989

Q41 Mathematics

A class of 75 students took a Physics test. 22 students had an average score of 85. The other students had an average score of 95. What is the average score (rounded off to one decimal place) of the whole class?

- A. 88.3
- B. 92.1**
- C. 96.7
- D. 82.4

Q42 Mathematics

Given that C is the third proportional of 59 and B. If B is the sum of the first three even natural numbers, then find the value of C. (Round off the answer to two decimal places.)

- A. 1.44
- B. 2.44**
- C. 0.14
- D. 6.32

Q43 Mathematics

X people were given a contract for doing a piece of work in 36 days. 3 people did not turn up to work due to sickness, and the rest of the people completed the work in 39 days. What is the value of X?

- A. 44
- B. 40
- C. 39**
- D. 48

Q44 Mathematics

Which of the following is NOT a prime number?

- A. 67
- B. 79
- C. 51**
- D. 31

Q45 Mathematics

In quadrilateral PQRS, the bisectors of $\angle R$ and $\angle S$ meet at the point T (inside the quadrilateral) and $\angle STR = 42.5^\circ$. If the ratio of $\angle P$ to $\angle Q$ is 8 : 9, then what is the difference between the measures of $\angle Q$ and $\angle P$?

- A. 2°
- B. 5°**
- C. 7°
- D. 6°

Q46 Mathematics

Simplify: $72 - [49 - (81 \div 9 - (14 - 24 \div 4) \div 8)]$

- A. 35
- B. 31**
- C. 27
- D. 39



Q47 Mathematics

From the top of a building 15 m high, the angle of depression to a point on the ground is 45 degrees. Find the horizontal distance from the building to the point.

- A. 45 m
- B. 7.5 m
- C. 30 m
- D. 15 m

**Q48 Mathematics**

One pipe can fill a tank in 11 minutes, while another pipe can empty the completely filled tank in 22 minutes. If both the pipes are opened together when the tank is empty, how many minutes will it take to fill one-half of the tank?

- A. 22
- B. 12
- C. 23
- D. 11

**Q49 Mathematics**

A train of length 239 m takes 20 seconds to pass another train 161 m long coming from the opposite direction. If the speed of the first train is 43 km/hr, then find speed of the second train.

- A. 29 km/hr
- B. 38 km/hr
- C. 32 km/hr
- D. 25 km/hr

**Q50 Mathematics**

Simplify the following.

$$\frac{(a^3 - b^3)}{(a^2 + ab + b^2)} + \frac{(a^3 + b^3)}{(a^2 - ab + b^2)}$$

- A. $2a^2$
- B. $2b^2$
- C. $2a$
- D. $2b$

**General Intelligence & Reasoning**

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

Refer to the following series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 6 6 4 5 2 2 4 5 1 4 7 7 4 5 9 6 9 2 4 3 8 1 2 8 3 7 1
(Right)

How many such odd numbers are there each of which is immediately preceded by an odd number and also immediately followed by an even number?

- A. 3
- B. 5
- C. 4
- D. 2

**Q52 General Intelligence & Reasoning**

Satish starts from Point A and drives 47 km towards south. He then takes a right turn, drives 65 km, turns right and drives 65 km. He then takes a right turn and drives 77 km. He takes a final right turn, drives 18 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again?

(Note: All turns are 90° turns only unless specified.)

- A. 10 km to the west
- B. 11 km to the west
- C. 12 km to the west
- D. 13 km to the east



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Q53 General Intelligence & Reasoning

Rakesh ranked 13th from the top and 18th from the bottom in his class. How many students are there in the class?

- A. 19
- B. 15
- C. 20
- D. 30

**Q54 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

18, 22, 30, 42, 58, ?

- A. 76
- B. 78
- C. 79
- D. 77

**Q55 General Intelligence & Reasoning**

In the following triad, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

DIVE - DEVI - EVID
BEAR - BRAE - RAEB

- A. MUST - MUTS - USTM
- B. ICED - IECD - DECI
- C. SOUP - OSUP - POUS
- D. COLD - CDLO - DLOC

**Q56 General Intelligence & Reasoning**

This question is based on the five, three-digit numbers given below.

(Left) 515 758 761 726 579 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

What will be the resultant if the second digit of the highest number is added to the second digit of the lowest number?

- A. 9
- B. 6
- C. 7
- D. 13

**Q57 General Intelligence & Reasoning**

Refer to the following number series and answer the question that follows. All numbers are single digit numbers only. Counting to be done from left to right only.

(Left) 2 6 9 1 2 5 7 2 5 2 2 4 7 9 3 2 5 4 1 4 9 9 1 8 9 (Right)

How many such even digits is/are there each of which is immediately preceded by an even digit and also immediately followed by an even digit?

- A. Three
- B. One
- C. Four
- D. Two

**Q58 General Intelligence & Reasoning**

CEID is related to JLPK in a certain way based on the English alphabetical order. In the same way, EGKF is related to LNNR. To which of the given options is GIMH related, following the same logic?

- A. NPTO
- B. NPOT
- C. PNTQ
- D. PNOT

**Q59 General Intelligence & Reasoning**

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- A. WT-YU
- B. SP-UQ
- C. UR-WS
- D. QN-SP



Q60 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some samosas are burgers.
Some burgers are pizzas.

Conclusions:

(I): Some samosas are pizzas.
(II): All pizzas are burgers.

- A. Only conclusion (I) follows
- B. Neither conclusion (I) nor (II) follows ✓
- C. Only conclusion (II) follows
- D. Both conclusions (I) and (II) follow

Q61 General Intelligence & Reasoning

Seven boxes, M, N, O, P, Q, R and S, are kept one over the other, but not necessarily in the same order. Only two boxes are kept between M and O. Only N is kept above S. No box is kept below O. R is kept at some place below P but at some place above Q. Which box is kept third above Q?

- A. S
- B. N
- C. P ✓
- D. M

Q62 General Intelligence & Reasoning

In a certain code language,
P + Q means 'P is the father of Q',
P # Q means 'P is the mother of Q',
P & Q means 'P is the wife of Q',
and P % Q means 'P is the sister of Q'.

How is V related to D if 'V % L & C + B % D'?

- A. Wife's brother
- B. Husband's brother
- C. Mother's mother
- D. Mother's sister ✓

Q63 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some erasers are pens.
Some pens are bags.

Conclusions:

(I) Some erasers are bags.
(II) All bags are pens.

- A. Only conclusion (I) follows.
- B. Neither conclusion (I) nor (II) follows. ✓
- C. Both conclusions (I) and (II) follow.
- D. Only conclusion (II) follows.

Q64 General Intelligence & Reasoning

In a certain code language, 'royal snow blue' is coded as 'tl zw cr' and 'blue two web' is coded as 'rg iq zw'. How is 'blue' coded in the given language?

- A. zw ✓
- B. rg
- C. cr
- D. tl

Q65 General Intelligence & Reasoning

If 1 is added to each even digit and 1 is subtracted from each odd digit in the number 258671543, then what will be the value of middle digit in the new number thus formed?

- A. 3
- B. 6 ✓
- C. 4
- D. 5

Q66 General Intelligence & Reasoning

Mr. Akai starts from Point A and drives 15 km towards the north. He then takes a right turn, drives 18 km, turns right and drives 23 km. He then takes a right turn and drives 26 km. He takes a final right turn, drives 8 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

- A. 6 km to the east
- B. 8 km to the east ✓
- C. 6 km to the north
- D. 8 km to the west



Q67 General Intelligence & Reasoning

Which of the following number will replace the question mark (?) in the given series?

1, 2, 6, 15, 31, 56, ?

A. 72

B. 86

C. 92



D. 80

Q68 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(12, 20, 45)

(18, 26, 57)

A. (11, 20, 45)

B. (13, 21, 47)



C. (15, 7, 19)

D. (9, 17, 29)

Q69 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

12 28 45 63 ? 102

A. 82



B. 72

C. 88

D. 76

Q70 General Intelligence & Reasoning

In a certain code language, 'dirt is there' is coded as 'mp rc gp' and 'clean the dirt' is coded as 'hk mp bo'. How is 'dirt' coded in the given language?

A. bo

B. hk

C. gp

D. mp

**Q71 General Intelligence & Reasoning**

If 1 is added to each even digit and 2 is subtracted from each odd digit in the number 54286379, how many digits will appear more than once in the new number thus formed?

A. None

B. One

C. Three



D. Two

Q72 General Intelligence & Reasoning

Six people, A, B, C, D, E and F, are sitting in a row, facing north. A sits to the immediate left of B. C sits third to the left of B. D is an immediate neighbour of B. F sits to the immediate right of C. D sits to the immediate left of E. Who sits at the extreme right end of the line?

A. F

B. E



C. B

D. D

Q73 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. UE-PK

B. QA-KG



C. BL-WR

D. HR-CX

Q74 General Intelligence & Reasoning

If + means -, - means x, x means ÷, ÷ means +, then what will come in place of the question mark (?) in the following equation?

$$21 - 4 \div 371 + 111 \times 3 = ?$$

A. 409

B. 418



C. 406

D. 411



Q75 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 1 2 8 4 6 9 5 8 8 7 9 2 6 6 5 8 6 3 1 1 4 4 6 (Right)

How many such even numbers are there, each of which is immediately preceded by an even number and also immediately followed by an even number?

- A. One
- B. Two
- C. Four
- D. Three

Q76 General Intelligence & Reasoning

Seven people B, C, D, I, J, K, and L are sitting around a circular table facing the centre of the table. Only three people sit between D and L, when counted from the right of L. Only three people sit between K and I, when counted from the left of K. B sits to the immediate right of D. J is an immediate neighbour of L as well as I. Who sits second to the left of C?

- A. I
- B. L
- C. J
- D. K

Q77 General Intelligence & Reasoning

A, B, C, D, E and F are sitting around a circular table facing the centre. E sits second to the left of B. C sits second to the right of F. D is on the immediate left of C. Who is sitting on the immediate right of A?

- A. C
- B. B
- C. D
- D. F

Q78 General Intelligence & Reasoning

In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

RAMP - PRMA - RPAM
SEND - DSNE - SDEN

- A. KEPT - TKPE - KETP
- B. QUAD - DQAU - QDUA
- C. HALT - THAL - ALTH
- D. CODE - OCDE - EODC

Q79 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

BMV, EOT, HQR, KSP, ?

- A. NUN
- B. QVM
- C. MUN
- D. RUQ

Q80 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

ZSL 18, VOH 29, RKD 40, NGZ 51, JCV 62, ?

- A. FOR 73
- B. FYI 73
- C. FYL 73
- D. FYR 73

General Awareness

20 Questions • Answer Key

Q81 General Awareness

What was the theme of the International Day of Democracy, 2025, celebrated in September 2025?

- A. Democracy for Development
- B. Achieving Gender Equality, Action by Action
- C. Voices for Change
- D. Strengthening Democracy, Inspiring Participation

Q82 General Awareness

Who received the Lifetime Achievement Award at the Bengaluru International Film Festival, 2025?

- A. Adoor Gopalakrishnan
- B. Shabana Azmi
- C. Anupam Kher
- D. Manoj Bajpayee



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Q83 General Awareness

The share of ULIPs in the total APE of which insurance company fell to 46.8% in Q1 FY26, compared to 51.4% in the same quarter last year?

- A. Bajaj Allianz Life Insurance Co. Ltd.
- B. Axis Max Life Insurance Co. Ltd.
- C. Life Insurance Corporation of India
- D. ICICI Prudential Life Insurance ✓

Q84 General Awareness

Which of the following countries launched the world's first AI-based satellite In May 2025?

- A. China ✓
- B. Russia
- C. USA
- D. Japan

Q85 General Awareness

What percentage did CPI inflation touch in April 2025 in India, marking a near six-year low?

- A. 6.2%
- B. 3.16% ✓
- C. 5.26%
- D. 4.2%

Q86 General Awareness

In December 2024, which foundation day was celebrated by the Border Security Force (BSF) of India?

- A. 50th
- B. 60th ✓
- C. 20th
- D. 25th

Q87 General Awareness

Which of the following was the impact of the Election Commission of India Network (ECINET) on the publication of Index Cards during elections?

- A. Cards were handwritten by officials at local polling stations.
- B. Cards were discontinued as part of new digital reforms.
- C. Publication was delayed by several additional weeks.
- D. Cards were available within 72 hours of results. ✓

Q88 General Awareness

The Mussalman Wakf (Repeal) Bill, 2025, seeks to remove the outdated Mussalman Wakf Act of ____.

- A. 1953
- B. 1943
- C. 1933
- D. 1923 ✓

Q89 General Awareness

Which team won the National Team of the Year award at the Sportstar Aces Awards 2025?

- A. Indian Women's Cricket Team
- B. Indian Chess Teams ✓
- C. Indian Men's Hockey Team
- D. Indian Men's Football Team

Q90 General Awareness

In 2025, which government's commitment was emphasised by the inauguration of the Khelo India multipurpose hall in Arunachal Pradesh?

- A. Union Government ✓
- B. Tribal Council
- C. Local Panchayat
- D. State Government

Q91 General Awareness

How many gold medals did Suruchi Singh win in 10 m air pistol at ISSF World Cup in 2025?

- A. One
- B. Three ✓
- C. Two
- D. Four

Q92 General Awareness

Which of the following institutes conducted a PM2.5 air quality assessment in Indian cities in October 2025 and found that all ten of the most polluted cities were located within the National Capital Region (NCR)?

- A. Centre for Sustainable Urban Climate Research
- B. Indian Council for Environmental Data and Analysis
- C. National Institute for Atmospheric Studies and Policy
- D. Centre for Research on Energy and Clean Air ✓



Q93 General Awareness

The 2025 French Open, also known as Roland Garros, was played on which type of court surface?

- A. Hard Court
- B. Grass
- C. Clay Court
- D. Artificial Turf

**Q94 General Awareness**

Which Indian state has announced plans to build a 'Great Green Wall' by 2030 to protect its coastline from cyclones and environmental degradation?

- A. West Bengal
- B. Odisha
- C. Andhra Pradesh
- D. Tamil Nadu

**Q95 General Awareness**

Which organisation initiated a 12-day cybersecurity exercise called 'Cyber Suraksha', starting 16 June 2025?

- A. Indian Defence Cyber Agency
- B. Indian Air Force Cyber Agency
- C. Cyber Security Association of India
- D. Indian Space Research Organisation

**Q96 General Awareness**

In 2025, which authority raised serious objections to the Aparajita Bill 2024, calling its proposed punishments under BNS excessively harsh and disproportionate?

- A. Supreme Court
- B. Central Government
- C. Law Commission of India
- D. National Commission for Women

**Q97 General Awareness**

Which of the following initiative was launched on 21 March 2025, by the Ministry of Science and Technology to offer structured biotech mentorship?

- A. BioNurture Mentorship Programme
- B. BioInnovate India
- C. BioSaarthi Mentorship Initiative
- D. Biotech Startup Mission

**Q98 General Awareness**

What is the prize money for Bal Sahitya Puraskar winners?

- A. ₹50,000
- B. ₹1,00,000
- C. ₹75,000
- D. ₹25,000

**Q99 General Awareness**

India submitted its 4th Biennial Update Report to the UNFCCC in December 2024. What is the full form of UNFCCC?

- A. United Nations Forum for Climate Coordination
- B. United Nations Foundation for Climate Cooperation
- C. Union Network for Future Climate Control
- D. United Nations Framework Convention on Climate Change

**Q100 General Awareness**

Where was the VLSRSAM flight-test conducted by DRDO?

- A. Integrated Test Range, Odisha
- B. Pokhran Test Range, Rajasthan
- C. Surya Lanka, Andhra Pradesh
- D. DRDO Missile Complex, Hyderabad



General Science

25 Questions • Answer Key

Q1 General Science

A 2 kg body accelerates at 3 m/s^2 . The force acting on it is:

A. 5 N

B. 6 N ✓

C. 2 N

D. 3 N

Q2 General Science

Which of the following statements about sexual reproduction is INCORRECT?

A. It combines DNA from two parents.

B. It helps organisms adapt to changing environments.

C. It generates variations for species survival.

D. It produces identical clones. ✓

Q3 General Science

Which of the following is correct about force on a current-carrying conductor in a magnetic field?

A. The force on a conductor is along the magnetic field direction.

B. The force depends on the resistance of the conductor.

C. The force on a current carrying conductor is proportional to the length of the conductor in the magnetic field. ✓

D. The force is independent of the current in the conductor.

Q4 General Science

The weight of an object is less on the Moon than on the Earth because:

A. the Moon has smaller acceleration due to gravity than the Earth ✓

B. the Moon attracts objects with more force

C. the object becomes lighter due to air resistance

D. the mass of the object decreases on the Moon

Q5 General Science

Which gland secretes the growth hormone (GH) in humans?

A. Thyroid gland

B. Pituitary gland ✓

C. Pancreas

D. Adrenal gland

Q6 General Science

A rifle fires a light bullet, resulting in a large forward acceleration of the bullet and a minimal backward recoil acceleration of the rifle. If the forces are equal and opposite (Action/Reaction), why is the rifle's acceleration so much smaller than the bullet's?

A. The acceleration is inversely proportional to the mass, and the rifle has a much greater mass than the bullet. ✓

B. Action and reaction forces cancel out since they act instantaneously.

C. The action force of the rifle on the bullet is greater than the reaction force of the bullet on the rifle.

D. The reaction force of the bullet acts for a shorter duration than the action force.

Q7 General Science

Which of the following will NOT produce an echo?

A. A wall at 10 m distance ✓

B. A mountain at 50 m distance

C. A tall building at 30 m distance

D. A cliff at 100 m distance

Q8 General Science

If an image is formed at the same distance behind a mirror as the object in front, the mirror must be:

A. convex

B. concave

C. plane ✓

D. parabolic



Q9 General Science

Rutherford's gold foil experiment led to a major revision of the atomic model. Which of the following observations and conclusions is most accurate according to the experiment?

- A. Alpha particles are deflected because they collide with electrons and spread uniformly throughout the atom.
- B. The nucleus is positively charged and occupies most of the volume of the atom.
- C. The majority of alpha particles passed through the foil undeflected, indicating that atoms are mostly empty space. ✓
- D. Electrons are present in the nucleus and account for the atom's mass.

Q10 General Science

In a multicellular organism, how does each cell support the survival of the organism?

- A. By following division of labour ✓
- B. By converting itself into a complete organ
- C. By trying to carry out all life functions by itself
- D. By working independently without interacting with other cells

Q11 General Science

Why are the testes located outside the abdominal cavity in human males?

- A. Because sperm formation requires higher temperature
- B. Because testosterone is produced only outside the body
- C. Because sperm formation requires a lower temperature than body temperature ✓
- D. To protect them from physical damage

Q12 General Science

What does the reactivity series of metals represent?

- A. A list of metals arranged in increasing order of their density.
- B. A list of metals arranged in decreasing order of their reactivity. ✓
- C. A list of non-metals arranged by their ability to form ions.
- D. A list of metals arranged in increasing order of their melting points.

Q13 General Science

Which of the following is NOT formed in the chlor-alkali process?

- A. Sodium hydroxide
- B. Hydrogen gas
- C. Chlorine gas
- D. Sodium carbonate ✓

Q14 General Science

In which carbon allotrope are atoms arranged in a hexagonal layer structure, with weak forces between layers?

- A. Fullerene
- B. Graphite ✓
- C. Coke
- D. Diamond

Q15 General Science

Which of the following is the correct formula for kinetic energy of a body of mass 'm' kg moving with a uniform speed of 'v' m/s?

- A. $\frac{1}{2} mv^2$ ✓
- B. $\frac{1}{4} mv^2$
- C. $\frac{1}{2} mv$
- D. mv

Q16 General Science

Which of the following is a common characteristic of both acids and bases when dissolved in water?

- A. Both produce carbon dioxide when reacted with metal carbonates.
- B. Both produce ions that conduct electricity in aqueous solutions. ✓
- C. Both turn blue litmus red.
- D. Both release hydrogen gas on reacting with metals like zinc.

Q17 General Science

Which of the following decomposes on heating to give quick lime?

- A. CaCO_3 ✓
- B. KClO_3
- C. CaCl
- D. NaOH



Q18 General Science

When sugar is dissolved in water, the particles of sugar:

- A. break into smaller pieces only
- B. disappear permanently
- C. get into the spaces between water particles ✓
- D. occupy more space

Q19 General Science

Which of the following is NOT correct regarding sexual reproduction in plant?

- A. Transfer of pollen from one flower to another is achieved by different agents.
- B. Female germ-cells are present in the ovary.
- C. Pollen grain directly travels in the ovary. ✓
- D. Pollen needs to be transferred from the stamen to the stigma.

Q20 General Science

Which scientist suggested that a magnet exerts an equal and opposite force on a current-carrying conductor?

- A. Ampere ✓
- B. Oersted
- C. Maxwell
- D. Faraday

Q21 General Science

Which of the following chemical secretions helps our body in control and coordination?

- A. Hormones ✓
- B. Sebum
- C. Saliva
- D. Gastric mucosa

Q22 General Science

Which of the following may lead to biological magnification?

- A. Pesticides ✓
- B. Straw
- C. Peel of banana
- D. Degrading vegetables

Q23 General Science

Conditions to liquefy gases would be:

- A. decreasing pressure and decreasing temperature
- B. increasing pressure and decreasing temperature ✓
- C. decreasing pressure and increasing temperature
- D. increasing pressure and increasing temperature

Q24 General Science

In the case of a convex mirror, a ray parallel to the principal axis after reflection appears to diverge from:

- A. The principal focus ✓
- B. The centre of curvature
- C. Infinity
- D. The pole

Q25 General Science

Match the following connective tissues with their correct features.

a. Areolar tissue	i. fills spaces between organs
b. Skeletal tissues	ii. provide structural support and reduce friction.
c. Ligaments	iii. fibrous tissues that maintain muscle-to-bone
d. Tendons	iv. fibrous tissues that maintain bone-to-bone connection

- A. a i, b iv, c ii, d iii
- B. a iv, b i, c iii, d ii
- C. a i, b iv, c iii, d ii
- D. a i, b ii, c iv, d iii ✓



Q26 Mathematics

The price of 1 kg of carrot on Monday is ₹40. If it is increased by 5% and 3% on the next two consecutive days, then what is its price (in ₹) on Wednesday?

A. 46.32

B. 43.26 ✓

C. 49.25

D. 36.43

Q27 Mathematics

If the ratio of two numbers is 2 : 5, and their HCF is 29, then their LCM is:

A. 281

B. 319

C. 290 ✓

D. 283

Q28 Mathematics

Two trains are moving in opposite directions at speeds of 110 km/hr and 150 km/hr. The length of one train is 500 m. The time taken by them to cross each other is 10 seconds. The length (in m) of the other train, correct to 2 decimal places, is:

A. 222.22 ✓

B. 228.02

C. 233.21

D. 225.93

Q29 Mathematics

A shopkeeper sold a pen for ₹150 and made a profit of ₹30. Find the cost price of the pen.

A. ₹100

B. ₹120 ✓

C. ₹110

D. ₹130

Q30 Mathematics

An uncle is 6 times as old as his nephew. In 6 years, the difference in their ages will be 30 years. What is the sum of their current ages (in years)?

A. 48

B. 30

C. 42 ✓

D. 36

Q31 Mathematics

If ₹8,404 is divided between Rishi and Yash in the ratio 7 : 15, then find the share of Yash (in ₹).

A. 5,732

B. 5,731

C. 5,733

D. 5,730 ✓

Q32 Mathematics

A train 1386 m long is running at 18 km/hr. How long will it take to clear a 564 m long platform completely?

A. 390 seconds ✓

B. 385 seconds

C. 393 seconds

D. 386 seconds

Q33 Mathematics

A and B working together can complete a piece of work in 2 days. B alone can complete the same work in 10 days. How long (in days) will A alone take to complete double the work?

A. 2.5

B. 8

C. 5 ✓

D. 6

Q34 Mathematics

A cycle is sold for ₹2,700 at a loss of 10%. Find its cost price.

A. ₹3,200

B. ₹3,600

C. ₹2,800

D. ₹3,000 ✓



Q35 Mathematics

If the radius of the base of a right circular cylinder is decreased by 12% and its height is increased by 169%, then what is the percentage increase (closest integer) in its volume?

A. 110%

B. 108% ✓

C. 134%

D. 111%

Q36 Mathematics

Two pumps, M and N, can fill a tank in 36 hours and 45 hours, respectively. Another pump P can empty the tank in 30 hours. First M and N are opened, and after 8 hours, P is also opened. The tank will be filled up in total T hours. The value of T is:

A. 44 ✓

B. 36

C. 32

D. 40

Q37 Mathematics

After selling an article at a discount of 4%, the profit percentage obtained is 20%. What is the markup percentage?

A. 25% ✓

B. 28%

C. 19%

D. 27%

Q38 Mathematics

A shopkeeper marks the price of an article at ₹1,980. Find the cost price if after allowing a discount of 12% he still gains 32% on the cost price.

A. ₹1,349

B. ₹1,209

C. ₹1,283

D. ₹1,320 ✓

Q39 Mathematics

When x is added to each of 17, 9, 26 and 14, then the numbers so obtained, in this order, are in proportion. Then, if $8x : y :: y : (4x - 2)$, and $y > 0$, what is the value of y?

A. 22

B. 14

C. 4 ✓

D. 12

Q40 Mathematics

Two banks, A and B, offered loans at 3.5% and 7.5% per annum, respectively. Mukund borrowed an amount of ₹2,00,000 from each bank. Find the positive difference (in ₹) between the amounts of simple interest paid to the two banks by Mukund after 2 years.

A. 15,500

B. 17,000

C. 16,000 ✓

D. 17,500

Q41 Mathematics

The sides of a triangle are 68 cm, 31 cm, and 87 cm. What is the length of its altitude corresponding to the side with a length of 31 cm?

A. 40 cm

B. 103 cm

C. 60 cm ✓

D. 85 cm

Q42 Mathematics

The cost of a washing machine is 50% less than the cost of a TV. If the cost of the washing machine increases by 76% and that of the TV decreases by 28%, then what is the percentage change in the total cost of 4 washing machines and 2 TVs?

A. Decrease by 27%

B. Increase by 31%

C. Decrease by 25%

D. Increase by 24% ✓



Q43 Mathematics

The average age of 37 students of a class is 42 years. If the age of the teacher is also included, the average age of the whole group becomes 43 years. The age (in years) of the teacher is:

A. 80



B. 83

C. 81

D. 77

Q44 Mathematics

Simplify: $[24 - \{6 + 3^2 - (4 \times 2 + 1)\}] \div 3 + 5 \times 2$

A. 20

B. 18

C. 16

D. 17

**Q45 Mathematics**

The data 30, 33, 49, 51, x, x + 4, 73, 79, 85, 96 is arranged in the ascending order and the median of the data is 64. Find the value of x.

A. 61

B. 63

C. 64

D. 62

**Q46 Mathematics**

Simplify: $(3x - 2)^2 - (x + 4)^2$

A. $8x^2 + 20x - 12$

B. $8x^2 - 20x - 12$



C. $8x^2 - 16x - 12$

D. $8x^2 - 20x - 4$

Q47 Mathematics

If $\frac{5}{13}$ of a certain number is added to $\frac{7}{39}$ of the same number, the result is 132. Find the number.

A. 224

B. 228

C. 238

D. 234



Q48 Mathematics

The total surface area of a sphere is 6006 cm^2 less than the total surface area of a hemisphere. If the ratio between the radii of the hemisphere and sphere is $5 : 3$, then find the radius of the sphere.

(Use $\pi = \frac{22}{7}$)

A. 42 cm

B. 28 cm

C. 21 cm 

D. 35 cm

Q49 Mathematics

If 50% of 60% of $\frac{2}{7}$ of a number is 618, find the number.

A. 7400

B. 7210 

C. 10350

D. 8450

Q50 Mathematics

Simplify :

$$\frac{1 - \sec x}{\csc x \cdot \cot x}$$

A. $(\cos x - 1)\tan^2 x$ B. $(\cos x - 1)\cot^2 x$ C. $(\cos x + 1)\cot^2 x$ D. $(\cos x + 1)\tan^2 x$ 

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Q51 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:

All curtains are blinders.

All curtains are dividers.

All curtains are walls.

Conclusions:

(I) All blinders are walls.

(II) Some walls are dividers.

A. Both conclusions (I) and (II) follow.

B. Neither conclusion (I) nor (II) follows.

C. Only conclusion (I) follows.

D. Only conclusion (II) follows.

**Q52** General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

ANF 17, DQI 21, GTL 25, JWO 29, ?

A. MYR 32

B. MZR 33



C. MYR 33

D. MZR 32

Q53 General Intelligence & Reasoning

Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) \$ # £ 9 % £ 7 * & € 1 3 4 5 6 4 9 € 2 5 & (Right)

How many such numbers are there each of which is immediately preceded by a symbol and also immediately followed by a symbol?

A. 6

B. 4

C. 2



D. 5

Q54 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. LO - KN

B. OR - NQ

C. EH - DG

D. QT - PT

**Q55** General Intelligence & Reasoning

Which of the given letter-number clusters will replace the question mark (?) in the following series to make it logically complete?

CFE10, GJI14, KNM18, ?

A. ORQ22



B. RVQ24

C. SVU24

D. ORU22

Q56 General Intelligence & Reasoning

What will come in the place of '?' in the following equation, if '+' and '÷' are interchanged and '-' and 'x' are interchanged?

$195 + 3 \times 22 - 6 \div 117 = ?$

A. 57

B. 43

C. 51

D. 50



Q57 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(35, -34, 1)
(35, 14, 7)

A. (15, -17, 1)

B. (9, -8, 2)

C. (31, 47, 9)

D. (23, 266, 17)

**Q58 General Intelligence & Reasoning**

In a certain code language, 'mall tree army' is coded as 'vg ur ua' and 'plant army cup' is coded as 'ti ud vg'. How is 'army' coded in the given language?

A. ti

B. ur

C. ua

D. vg

**Q59 General Intelligence & Reasoning**

Seven boxes, M, N, O, P, Q, R and S, are kept one over the other, but not necessarily in the same order.

Only P is kept above O. Only Q is kept between O and R. Only N is kept below S.

How many boxes are kept between M and N?

A. Three

B. Four

C. One



D. Two

Q60 General Intelligence & Reasoning

Refer to the given series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 4 1 1 7 2 4 1 2 7 4 4 9 6 3 9 1 6 1 9 2 2 8 8 (Right)

How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an odd digit?

A. Two



B. Three

C. One

D. Four

Q61 General Intelligence & Reasoning

In a certain code language,

P + Q means 'P is the husband of Q',

P # Q means 'P is the wife of Q',

P & Q means 'P is the brother of Q' and

P % Q means 'P is the father of Q'.

How is G related to E if 'G # V % M & H + E'?

A. Husband's sister

B. Wife's brother

C. Husband's father

D. Husband's mother

**Q62 General Intelligence & Reasoning**

Seven boxes B, C, D, I, J, K, and L are kept one over the other but not necessarily in the same order. Only C is kept below I. Only four boxes are kept between C and J. Only L is kept between J and D. B is kept at one of the positions above J. How many boxes are kept between K and C?

A. Four

B. Three

C. Two

D. One

**Q63 General Intelligence & Reasoning**

A, B, C, D, W, X, and Y are sitting in a straight line, facing the north. Only two people sit to the right of X. Only two people sit between X and C. Only two people sit between A and D. D sits to the immediate left of X. B sits to the immediate right of Y.

Who sits at the third position from the left end of the line?

A. C

B. D

C. A

D. W



Q64 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

121 123 127 133 141 ?

A. 151



B. 147

C. 153

D. 149

Q65 General Intelligence & Reasoning

A, B, C, D, E and F are sitting around a circular table facing the centre. D sits third to the right of C. C sits second to the left of F. A sits third to the right of B. B sits to the immediate left of E. How many people sit between A and D when counted from the left of D?

A. One



B. Two

C. None

D. Four

Q66 General Intelligence & Reasoning

Seven people, B, C, D, I, J, K and L, are sitting around a circular table, facing the centre of the table. I sits fourth to the right of J. Only two people sit between B and C, when counted from the left of B. D sits third to the left of K. L is an immediate neighbour of K and C. How many people sit between I and L, when counted from the left of L?

A. One

B. Two

C. Three

D. Four

**Q67 General Intelligence & Reasoning**

Town P is to the west of Town Q. Town R is to the south of Town P. Town S is to the east of Town R. Town T is to the north of Town S. Town Q is to the northeast of Town T. What is the position of Town P with respect to Town T?

A. Southwest

B. Northwest



C. Northeast

D. Southeast

Q68 General Intelligence & Reasoning

If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark (?) in the following equation?

16 B 3 D 36 A 18 C 18 = ?

A. 64



B. 62

C. 65

D. 66

Q69 General Intelligence & Reasoning

GENU is related to KZRP in a certain way based on the English alphabetical order. In the same way, OUVK is related to SPZF. To which of the given options is WKDA related, following the same logic?

A. BEGU

B. AFHV



C. BFIW

D. ZGHW

Q70 General Intelligence & Reasoning

DR 12 is related to FK -6 in a certain way. In the same way, JM 18 is related to LF 0. To which of the given options is KN 3 related, following the same logic?

A. LP -10

B. MK -11

C. HU -12

D. MG -15

**Q71 General Intelligence & Reasoning**

If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will come in place of question mark (?) in the following equation?

44 A 11 B 25 D 28 C 1 = ?

A. 78

B. 73



C. 74

D. 77



Q72 General Intelligence & Reasoning

Gagana starts from Point A and drives 5 km towards east. She then takes a left turn, drives 3 km, turns left and drives 2 km. She then takes a right turn and drives 7 km. She takes a final left turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should she drive in order to reach Point A again?

(Note: All turns are 90° turns only unless specified.)

- A. 16 km towards east
- B. 10 km towards south
- C. 10 km towards north
- D. 8 km towards west

Q73 General Intelligence & Reasoning

Refer to the following series and answer the question (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 8 7 7 4 2 1 5 4 8 9 4 1 1 1 9 9 3 7 9 5 4 (Right)

How many such odd digits are there each of which is immediately preceded by an odd digit and also immediately followed by an odd digit?

- A. 5
- B. 6
- C. 4
- D. 7

Q74 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- A. MRL
- B. EJD
- C. QVP
- D. TYR

Q75 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

319 320 323 328 335 ?

- A. 344
- B. 348
- C. 342
- D. 346

Q76 General Intelligence & Reasoning

Refer to the following number, symbol series and answer the question. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) Ω 9 % 6 1 * £ 5 # 2 8 \$ 7 & + @ 3 4 (Right)

How many such symbols are there, each of which is immediately preceded by another symbol and also immediately followed by a number?

- A. 4
- B. 2
- C. 1
- D. 3

Q77 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements: All Hats are Ratchets. No Ratchets are Cats. Some Cats are Angels.

Conclusion (I): No Hats are Cats.

Conclusion (II): No Angels are Ratchets

- A. Only conclusion (II) follows
- B. Neither conclusion (I) nor (II) follows
- C. Only conclusion (I) follows
- D. Both conclusions (I) and (II) follow

Q78 General Intelligence & Reasoning

BGLQ is related to EJOT in a certain way based on the English alphabetical order. In the same way, FKPU is related to INSX. To which of the following is HMRW related, following the same logic?

- A. LPUY
- B. LQVX
- C. KPUZ
- D. KQVX



Q79 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

37 49 61 73 85 ?

A. 101

B. 105

C. 91

D. 97

Q80 General Intelligence & Reasoning

In a certain code language, 'photo vet scale' is coded as 'zk jh kv' and 'urn photo kin' is coded as 'jh zn fl'. How is 'photo' coded in that language?

A. jh

B. kv

C. zn

D. zk

General Awareness

20 Questions • Answer Key

Q81 General Awareness

Which of the following cities hosted the 2025 World Aquatics Championships?

A. Doha

B. Singapore

C. Budapest

D. Melbourne

Q84 General Awareness

The Ministry of Statistics and Programme Implementation (MoSPI) in June 2025 announced its plan to launch the first-ever nationwide household income survey in _____.

A. 2028

B. 2027

C. 2026

D. 2029

Q82 General Awareness

Which of the following female athletes was awarded the 2025 Laureus World Sportswoman of the Year announced in April 2025?

A. Katie Ledecky

B. Iga Swiatek

C. Simone Biles

D. Athing Mu

Q85 General Awareness

In August 2025, which body directed the Ministry of Environment, Forest and Climate Change (MoEF&CC) of the Government of India to frame terms for an ozone study committee?

A. NITI Aayog

B. National Green Tribunal

C. Supreme Court of India

D. Central Pollution Control Board

Q83 General Awareness

At which place in India was the setting up of the International Potato Center-South Asia Regional Centre (CSARC) approved by the Union Cabinet of India in June 2025?

A. Agra

B. Kanpur

C. Lucknow

D. Noida

Q86 General Awareness

Which of the following schemes launched by the State Bank of India in January 2025 enables customers to accumulate ₹1 lakh or above in their accounts by depositing small savings every month?

A. Har Ghar Bachat

B. Har Ghar Lakhpati

C. Lakhpati Patrons

D. Suraksha Nivesh



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Q87 General Awareness

In August 2025, which state unveiled its State Disaster Management Plan and inaugurated a host of initiatives, including the Technology Demonstration Unit, Civil Defence Training Scheme, automated weather stations and rain gauges?

- A. Madhya Pradesh
- B. Meghalaya
- C. Uttar Pradesh
- D. Tripura

**Q88 General Awareness**

In March 2025, who was appointed as a full-time member of NITI Aayog, after serving as Cabinet Secretary until August 2024?

- A. BVR Subrahmanyam
- B. S Mahendra Dev
- C. Arvind Panagariya
- D. Rajiv Gauba

**Q89 General Awareness**

In July 2025, which Indian state cabinet approved a bill criminalising even engagements involving minors under child marriage prevention laws?

- A. Maharashtra
- B. Kerala
- C. Telangana
- D. Karnataka

**Q90 General Awareness**

On 12 April 2025, which of the following banks celebrated 131st foundation day with the launch of 34 new banking products and services?

- A. Canara Bank
- B. Bank of India
- C. Indian Bank
- D. Punjab National Bank

**Q91 General Awareness**

Which of the following is the main aim of the Memorandum of Understanding signed between the National Institute for Empowerment of Persons with Intellectual Disabilities (Divyangjan) and the Jai Vakeel Foundation, in Mumbai in July 2025?

- A. To launch a nationwide immunisation drive for children with disabilities
- B. To train teachers in sign language and Braille for visually and hearing-impaired students
- C. To establish a nationwide health insurance scheme for persons with disabilities
- D. To roll out structured and uniform curriculum for children with intellectual disabilities

**Q92 General Awareness**

As per Union Budget, 2025-26, what is the total allocation to the Ministry of Defence to strengthen India's military capabilities?

- A. ₹5,81,210.27 crore
- B. ₹6,81,210.27 crore
- C. ₹7,81,210.27 crore
- D. ₹8,81,210.27 crore

**Q93 General Awareness**

Which female athlete received the Sportstar of the Year (Female) award in 2025?

- A. Mary Kom
- B. Saina Nehwal
- C. PV Sindhu
- D. Manu Bhaker

**Q94 General Awareness**

Where was the All India Inter-University Volleyball Championship 2025 held from 6-10 January?

- A. Delhi University, Delhi
- B. St. Thomas College, Pala
- C. Banaras Hindu University, Varanasi
- D. Osmania University, Hyderabad



Q95 General Awareness

NISAR (NASA-ISRO Synthetic Aperture Radar) which was scheduled to be launched from India in July 2025 jointly by National Aeronautics and Space Administration (NASA) and Indian Space Research Organisation (ISRO) is a _____.

A. \$2.5 billion mission

B. \$4.5 billion mission

C. \$1.5 billion mission



D. \$3.5 billion mission

Q96 General Awareness

The Republic Day celebrated on 26 January 2025, was India's _____ Republic Day.

A. 76th



B. 74th

C. 77th

D. 75th

Q97 General Awareness

Who among the following completed her/his 31st climb of Mount Everest in May 2025?

A. Kami Rita



B. Apa Sherpa

C. Nyima Gyalzen Dorje

D. Chhonzin Angmo

Q98 General Awareness

Which club won the 2025 UEFA Champions League?

A. Manchester City

B. Paris Saint-Germain



C. Bayern Munich

D. Real Madrid

Q99 General Awareness

Which of the following cities hosted the G20 Digital Economy Working Groups' second meeting in South Africa in 2025?

A. Eastern Cape



B. Pretoria

C. Durban

D. Cape Town

Q100 General Awareness

As per data released by Ministry of Earth Sciences in March 2025, what percentage of area in India is vulnerable to earthquakes?

A. 59%



B. 89%

C. 30%

D. 40%



General Science

25 Questions • Answer Key

Q1 General Science

What happens when insects suck the sap from leaves of crop plants?

- A. Plant produces more flowers
- B. Plant gets pollinated
- C. Plant health is affected ✓
- D. Plant grows stronger

Q2 General Science

Which of the following is NOT due to refraction of light?

- A. Image formation by a convex mirror ✓
- B. Twinkling of stars
- C. Image formation by a convex lens
- D. Delayed Sunset

Q3 General Science

Every section of a current-carrying circular wire contributes to the magnetic field at the centre of the loop in _____.

- A. the opposite direction
- B. the same direction ✓
- C. a random direction
- D. the perpendicular direction

Q4 General Science

Which of the following human female body part prepares itself every month to receive a fertilised egg?

- A. Uterus ✓
- B. Pharynx
- C. Pancreas
- D. Kidney

Q5 General Science

A molecule of ozone has:

- A. 1 oxygen atom
- B. 2 oxygen atoms
- C. 3 oxygen atoms ✓
- D. 4 oxygen atoms

Q6 General Science

Which of the following parts of a plant has the dividing tissue region which helps in growth?

- A. Sieve tube
- B. Vessels
- C. Apical meristem ✓
- D. Sclerenchyma

Q7 General Science

What is the valency of oxygen in H_2O ?

- A. 1
- B. 3
- C. 2 ✓
- D. 0

Q8 General Science

Three rays of light parallel and close to the principal axis are incident on a convex lens, these rays will converge at which point after passing through the lens?

- A. At the optical centre
- B. At any point beyond the focus
- C. At the focus of the lens ✓
- D. At any point between the optical centre and the focus

Q9 General Science

By how many degrees Celsius is the temperature of the scrotum lower than the normal body temperature?

- A. About $12^{\circ}C$
- B. About $3^{\circ}C$ ✓
- C. About $7^{\circ}C$
- D. About $6^{\circ}C$

Q10 General Science

Which primary feature allows mitochondria to be called the 'powerhouse of the cell'?

- A. They synthesise energy as ATP ✓
- B. They store calcium ions
- C. They control protein synthesis
- D. They contain digestive enzymes



Q11 General Science

Which of the following is a correct use of baking soda (sodium hydrogen carbonate) in daily life?

- ☒ A. It is used in fire extinguishers to produce foam
- ☐ B. It is used to make soaps non-greasy
- ☐ C. It is used to prepare edible salts
- ☐ D. It is used to neutralise strong acids in lead-acid batteries

Q12 General Science

Which of the following has a variable composition?

- ☐ A. Methane
- ☐ B. Hydrogen chloride
- ☒ C. Brass
- ☐ D. Water

Q13 General Science

What physical quantity is obtained by multiplying the velocity of an object by the time it travels, assuming the object moves with a uniform velocity?

- ☐ A. Acceleration
- ☒ B. Displacement
- ☐ C. Force
- ☐ D. Momentum

Q14 General Science

A car travels at 62 km/hr for 2.5 hours and then at 48 km/hr for 1.5 hours. Its average speed is approximately _____.

- ☐ A. 55 km/hr
- ☐ B. 58 km/hr
- ☐ C. 27.5 km/hr
- ☒ D. 56.8 km/hr

Q15 General Science

Which of the following statements about baking soda (sodium hydrogen carbonate) is NOT correct?

- A. It is prepared industrially by reacting sodium chloride, ammonia, carbon dioxide, and water.
- B. On heating, baking soda releases carbon dioxide gas, which makes it useful in baking.
- C. Baking soda is used in antacids because it neutralises excess stomach acid, producing salt and water only.

☐ A. Both A and B

☒ B. Only C

☐ C. Only A

☐ D. Both A and C

Q16 General Science

The diffusion of water through a selectively permeable membrane is known as _____.

☒ A. osmosis

☐ B. transpiration

☐ C. diffusion

☐ D. active transport

Q17 General Science

In industries, how are ultrasonic waves primarily used to ensure the structural integrity of metallic components such as machine parts and bridges?

☐ A. To polish the surface of the metal

☒ B. To detect cracks and flaws inside the block

☐ C. To change the density of the metal

☐ D. To heat the metal to remove impurities

Q18 General Science

If the kinetic energy of a moving body is 450 J and its velocity is 15 m/s, the mass of the body is _____.

☐ A. 2 kg

☐ B. 5 kg

☐ C. 3 kg

☒ D. 4 kg



Q19 General Science

When ethanol reacts with ethanoic acid in the presence of conc H_2SO_4 it produces _____.

- A. ketone
- B. esters ✓
- C. alcohol
- D. aldehyde

Q20 General Science

Which of the following is chosen as a standard reference for determining atomic masses?

- A. Nitrogen-15
- B. Carbon-13
- C. Carbon-12 ✓
- D. Nitrogen-14

Q21 General Science

Which of the following is an organic compound?

- A. CaCO_3
- B. Na_2CO_3
- C. NaCl
- D. C_2H_6 ✓

Q22 General Science

In fish production, which of the following comes under the category of shellfish?

- A. Molluscs ✓
- B. Tuna
- C. Bombay duck
- D. Silver carp

Q23 General Science

What is the name of the semiconservative process in which DNA duplicates into two identical molecules?

- A. Mutation
- B. Translation
- C. Transcription
- D. Replication ✓

Q24 General Science

Which of the following statements is NOT correct?

- A. Gravitational force is always attractive
- B. Gravitational force is strongest among small bodies ✓
- C. The value of G is constant everywhere
- D. Every object attracts every other object in the universe

Q25 General Science

Which of the following statements is correct?

- A. Magnetic field lines start from the south pole and end at the north pole outside the magnet.
- B. The direction of magnetic field around a straight current-carrying conductor can be given by the right-hand thumb rule. ✓
- C. Magnetic field lines are always straight lines.
- D. Magnetic field is zero at the surface of a current-carrying wire.

Mathematics

25 Questions • Answer Key

Q26 Mathematics

11 men and 17 women can complete a piece of work in 6 days, and 18 men and 15 women can complete the same work in 4 days. The work of how many women is equivalent to that of one man?

- A. 10
- B. 6
- C. 4
- D. 7 ✓

Q27 Mathematics

A cricketer has an average of 57 runs over 10 innings. If he scores 195 runs in the 11th inning, by how many runs (rounded off to the nearest whole number) does his average score increase?

- A. 8
- B. 13 ✓
- C. 16
- D. 14



Q28 Mathematics

A typist takes 40 minutes to type 2 pages. How long (in minutes) will he take to type 101 pages?

- A. 2030
- B. 2010
- C. 2025
- D. 2020**

**Q29 Mathematics**

If a 1768 m long train crosses a pole in 68 seconds, then find the time (in seconds) taken by the train to cross a 338 m long platform.

- A. 77
- B. 81**
- C. 82
- D. 76

**Q30 Mathematics**

The fourth proportional to 18, a and 8a is 16. What is the positive value of a?

- A. 9
- B. 6**
- C. 3
- D. 8

**Q31 Mathematics**

In an election between two candidates, 80% of the registered voters cast their votes. Out of these, 2% were declared invalid. One candidate secured 8,820 votes, which accounted for 75% of the valid votes. Find the total number of registered voters.

- A. 16,200
- B. 15,800
- C. 15,200
- D. 15,000**

**Q32 Mathematics**

A dealer allowed a 32% discount on an article and was still able to manage a 57% profit. Find the ratio of the cost price to listed price.

- A. 71 : 162
- B. 65 : 161
- C. 68 : 157**
- D. 69 : 160

**Q33 Mathematics**

A salesman marks his goods 75% above the cost price and gives a discount of 52% on them. Find the percentage of this gain or loss.

- A. 19% loss
- B. 15% loss
- C. 16% loss**
- D. 18% gain

**Q34 Mathematics**

Two trains, having lengths 210 m and 390 m, are running at speeds of 120 km/hr and 150 km/hr, respectively, in the same direction. The time taken (in minutes) by the faster train, coming from behind, to completely cross the other train is:

- A. 9.3
- B. 11.1
- C. 1.2**
- D. 2

**Q35 Mathematics**

The income of Raman is ₹68,800. He saves 18.5% of his income. If his income increases by 17% and expenditure increases by 25%, then his savings will:

- A. increase by ₹2,319
- B. decrease by ₹2,325
- C. increase by ₹2,325
- D. decrease by ₹2,322**

**Q36 Mathematics**

A cuboid with dimensions 24 cm × 16 cm × 10 cm is melted to form smaller cubes with sides of 4 cm. Determine the number of cubes that can be formed.

- A. 60**
- B. 64
- C. 58
- D. 62



Q37 Mathematics

The difference between the current ages of two brothers is 4 years. Twenty years ago, the age of the elder brother was 1.25 times the age of the younger brother. What is the current age (in years) of the elder brother?

A. 38

B. 36

C. 40



D. 34

Q38 Mathematics

The sides of a triangle are 39 cm, 62 cm, and 85 cm. What is the length of its altitude corresponding to the side with a length of 62 cm?

A. 36 cm



B. 57 cm

C. 18 cm

D. 12 cm

Q39 Mathematics

A typist takes 40 minutes to type 4 pages. How long (in minutes) will he take to type 112 pages?

A. 1125

B. 1130

C. 1120



D. 1110

Q40 Mathematics

A piece of land in the form of a rectangle has dimensions 240 m $\times$ 180 m. A narrow strip 10 m wide is dug all around it (outside) and the earth dug out is evenly spread over the land, increasing its surface level by 25 cm. Find the depth of the strip, rounded off to two decimal places.

A. 1.34 m

B. 1.43 m

C. 1.23 m



D. 1.11 m

Q41 Mathematics

Two banks, A and B, offered loans at 3.5% and 7.5% per annum, respectively. Atul borrowed an amount of ₹2,20,000 from each bank. Find the positive difference (in ₹) between the amounts of simple interest paid to the two banks by Atul after 3 years.

A. 27,400

B. 27,900

C. 26,400



D. 25,900

Q42 Mathematics

A person stands 36 metres away from the foot of a tower. The angle of elevation to the top of the tower is θ , and $\tan \theta = 5/3$. What is the height (in metres) of the tower?

A. 48

B. 60



C. 45

D. 54

Q43 Mathematics

Ravi sells only pens and pencils. A pen costs ₹12 and a pencil costs ₹4. A student buys a total of 25 items and spends ₹180. How many pens did the student buy?

A. 10



B. 5

C. 20

D. 15

Q44 Mathematics

A pair of earrings is bought for ₹27,650 and is sold at a profit of 5%. Find the profit (in ₹). (Round off your answer to the nearest rupee)

A. ₹1,462

B. ₹1,383



C. ₹1,362

D. ₹1,450

Q45 Mathematics

The arithmetic mean of the observations 96, 70, 85, 52, 40, 88, 63, 40 and 60 is:

A. 65

B. 74

C. 56

D. 66



Q46 Mathematics

A and B working together can do a piece of work in 6 days. B alone can do the same work in 7 days. How long (in days) will A alone take to do double the work?

A. 87

B. 42

C. 85

D. 84

**Q47 Mathematics**

The total number of colour blocks is 6409. If the ratio of red blocks to blue blocks is 7 : 5 and the ratio of blue blocks to yellow blocks is 8 : 4, then how many yellow blocks are there?

A. 1099

B. 1102

C. 1105



D. 1098

Q48 Mathematics

$\frac{1}{20}$ is what percentage of $\frac{11}{50}$? (Round off the answer to two decimal places.)

A. 45.45%

B. 37.73%

C. 22.73%



D. 32.73%

Q49 Mathematics

Simplify: $(5x + 11y)^2 + (5x - 11y)^2$

A. $50x^2 + 242y^2$



B. $50x^2 - 242y^2$

C. $220xy$

D. $-220xy$

Q50 Mathematics

Simplify: $\left(\frac{16^{-1} \times 8^2}{4^{-3} \times 2^5}\right)^{\frac{1}{3}}$

A. 4

B. 2



C. 1

D. 8



Q51 General Intelligence & Reasoning

Seven boxes, A, B, C, D, E, F and G, are kept one over the other but not necessarily in the same order. Only E is kept above B. Only two boxes are kept between B and A. Only C is kept below G. F is not kept immediately above A. How many boxes are kept below A?

A. 1

B. 3

C. 2



D. 4

Q52 General Intelligence & Reasoning

In a certain code language, 'lab bird set' is coded as 'ef xo ej' and 'set web hall' is coded as 'ot ef hs'. How is 'set' coded in that language?

A. ej

B. ef



C. xo

D. ot

Q53 General Intelligence & Reasoning

In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

OWES - WOES - OESW
LITE - ILTE - LTEI

A. JUTE - UJTE - EUTJ

B. PAIN - APIN - AINP

C. VAST - VSAT - TSAV

D. EARN - AERN - ERNA

**Q54** General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series to make it logically complete?

5 10 10 20 20 40 40 ?

A. 50

B. 20

C. 80



D. 40

Q55 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

532 542 550 556 560 ?

A. 568

B. 566

C. 564

D. 562

**Q56** General Intelligence & Reasoning

What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

 $26 \times 2 - 8 \div 4 + 9 = ?$

A. 35

B. 36



C. 39

D. 38

Q57 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All phones are cars.

All phones are lights.

Conclusions:

(I) Some cars are lights.

(II) All lights are phones.

A. Only conclusion (II) follows.

B. Only conclusion (I) follows.



C. Neither conclusion (I) nor (II) follows.

D. Both conclusions (I) and (II) follow.



Q58 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. AZB

B. CBD

C. VUW

D. TTU

**Q59 General Intelligence & Reasoning**

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 7 8 9 4 6 7 3 9 6 1 9 8 3 4 (Right)

How many such even numbers are there, each of which is immediately preceded by an even number and also immediately followed by an odd number?

A. Four

B. Two

C. Three

D. One

**Q60 General Intelligence & Reasoning**

Which letter cluster will replace the question mark (?) to complete the given series?

IHT KJS MLR ONQ ?

A. HYU

B. PTR

C. OPP

D. QPP

**Q61 General Intelligence & Reasoning**

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. KOJ

B. MQL

C. OSM



D. JNI

Q62 General Intelligence & Reasoning

If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', then what will come in place of the question mark (?) in the following equation?

36 B 8 C 528 A 22 D 55 = ?

A. 257



B. 239

C. 244

D. 261

Q63 General Intelligence & Reasoning

A, B, C, E, F, P and Q are sitting around a circular table facing the centre. Only four people sit between C and E when counted from the right of C. C sits third to the left of P. B sits third to the left of F. Q is an immediate neighbour of both E and P. How many people sit between A and Q when counted from the right of A?

A. Two



B. Three

C. One

D. Four

Q64 General Intelligence & Reasoning

HR 15 is related to KU 12 in a certain way. In the same way, SK 18 is related to VN 15. To which of the given options is EW 21 related, following the same logic?

A. HA 18

B. IA 18

C. HZ 18



D. HZ 15

Q65 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

97 80 63 46 29 ?

A. 10

B. 8

C. 12



D. 14



Q66 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

UDB VEC WFD XGE ?

A. YHZ

B. YHF



C. YHL

D. YHW

Q67 General Intelligence & Reasoning

PI 13 is related to SM 17 in a certain way. In the same way, HA 24 is related to KE 28. To which of the given options is RK 35 related, following the same logic?

A. UO 39



B. VO 38

C. VQ 39

D. UN 38

Q68 General Intelligence & Reasoning

In a certain code language,
P # Q means 'P is the mother of Q',
P @ Q means 'P is the husband of Q',
P & Q means 'P is the sister of Q', and
P % Q means 'P is the father of Q'.

Based on the above, how is R related to O if 'R @ V # E & K % O'?

A. Mother's father

B. Father's father



C. Sister's husband

D. Father's mother

Q69 General Intelligence & Reasoning

Mr. Zzz starts from Point A and drives 11 km towards the east. He then takes a left turn, drives 19 km, turns left and drives 21 km. He then takes a left turn and drives 24 km. He takes a final left turn, drives 10 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 2 km to the south

B. 4 km to the west

C. 5 km to the north



D. 7 km to the east

Q70 General Intelligence & Reasoning

If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 7381564, which of the following digits will be second from the left in the new number thus formed?

A. 2

B. 4



C. 6

D. 8

Q71 General Intelligence & Reasoning

Refer to the number series given below and answer the question that follows. Counting to be done from left to right only.

(NOTE: All numbers are single-digit numbers only.)

(Left) 6 2 7 2 6 4 8 4 7 4 3 3 4 2 6 7 1 9 7 4 7 9 1 6 5 8 5
(Right)

How many such even numbers are there each of which is immediately preceded by an odd number and also immediately followed by an even number?

A. 4

B. 2



C. 3

D. 1

Q72 General Intelligence & Reasoning

M, N, O, P, W, X and Y are sitting around a circular table facing the centre of the table.

Only one person sits between P and O when counted from the right of P. Only one person sits between O and X when counted from the right of O. Only one person sits between P and W when counted from the right of W. Only two people sit between N and X when counted from the right of N. Only one person sits between M and W when counted from the right of M. Who sits third to the right of Y?

A. M

B. W

C. O



D. P



Q73 General Intelligence & Reasoning

In the following number-pairs, the second number is obtained by applying certain mathematical operation(s) to the first number. Select the number-pair in which the numbers are related in the same way as are the numbers of the following pairs.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

74, 43
98, 55

A. 122, 66

B. 64, 39

C. 142, 76

D. 46, 29

**Q74 General Intelligence & Reasoning**

Refer to the following number, symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers only.

(Left) 6 7 8 9 & 5 £ & \$ £ \$ 1 * * # * * € 8 % 8 © 7 (Right)

How many such numbers are there, each of which is immediately preceded by a symbol and also immediately followed by a symbol?

A. Six

B. Five

C. Four



D. Three

Q75 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All golds are hives.
No hive is a cow.

Conclusions:

(I): No gold is a cow.
(II): Some cows are hives.

A. Only conclusion (II) follows

B. Neither conclusion (I) nor (II) follows

C. Both conclusions (I) and (II) follow

D. Only conclusion (I) follows

**Q76 General Intelligence & Reasoning**

In a certain code language, 'keep turning pages' is coded as 'kd vt fg' and 'count the pages' is coded as 'kl vt za'. How is 'pages' coded in the given language?

(All codes are two-letter codes)

A. fg

B. vt



C. kd

D. kl

Q77 General Intelligence & Reasoning

Daksha starts from Point A and drives 5 km towards east. She then takes a right turn, drives 6 km, turns left and drives 11 km. She then takes a left turn and drives 6 km. She takes a final left turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should she drive in order to reach Point A again?

(Note: All turns are 90° turns only unless specified.)

A. 11 km towards south

B. 13 km towards west



C. 11 km towards east

D. 15 km towards north

Q78 General Intelligence & Reasoning

A, B, C, D, W, X and Y are sitting around a circular table facing the centre of the table.

C sits to the immediate left of B. W sits to the immediate left of A. A sits second to the left of X. D sits third to the left of B. Who sits third to the right of Y?

A. W

B. A

C. D



D. C

Q79 General Intelligence & Reasoning

Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 1 © % £ 8 8 @ % 4 # 1 © 3 7 6 3 % * & € 9 7 (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a symbol?

A. 5

B. 4

C. 1

D. 3



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Q80 General Intelligence & Reasoning

Saurabh ranked 17th from the top and 28th from the bottom in his class. How many students are there in the class?

A. 44



B. 33

C. 35

D. 34

General Awareness

20 Questions • Answer Key

Q81 General Awareness

As per the Sustainable Development Goals – National Indicator Framework Progress Report, 2025, population covered by social protection systems has increased to which level in 2025, indicating substantial expansion in social security coverage in the country?

A. 81.6%

B. 59.8%

C. 64.3%



D. 72.7%

Q82 General Awareness

In March 2025, who among the following won the Prague Masters (Masters section) 2025 chess title?

A. R Praggnanandhaa

B. Ediz Gürel

C. Anish Giri

D. Aravindh Chithambaram

**Q83 General Awareness**

In which of the following countries did Mahendra Gurjar set a world record in para javelin in 2025?

A. Switzerland



B. India

C. Brazil

D. Germany

Q84 General Awareness

Which of the following is the main benefit of the Facial Recognition System (FRS) highlighted during the agenda of the August 2025 Parliamentary Consultative Committee meeting on Mission Saksham Anganwadi and Poshan 2.0?

A. Monitoring attendance of Anganwadi staff in real time

B. Expanding nutritional coverage to private school children

C. Ensuring benefits reach only genuine beneficiaries



D. Providing digital tablets to all Anganwadi workers

Q85 General Awareness

Which two organisations have collaborated to develop a Close Quarter Battle (CQB) Carbine for the Indian Armed Forces?

A. HAL and Tata Advanced Systems

B. ISRO and BEML

C. DRDO and Bharat Forge



D. BEL and L&T

Q86 General Awareness

Who has been chosen for the Indira Gandhi Prize for Peace, Disarmament and Development for the year 2024?

A. Greta Thunberg

B. Angela Merkel

C. Malala Yousafzai

D. Michelle Bachelet



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Q87 General Awareness

Which country along with Indian Air Force conducted their first-ever joint special operations exercise, 'Tiger Claw', from 26 May to 10 June 2025?

- A. Russia
- B. Germany
- C. United Arab Emirates
- D. United States of America

**Q88 General Awareness**

When did South Korea host the World Environment Day in 2025, as designated by the United Nations Environment Programme (UNEP)?

- A. 5 May
- B. 8 June
- C. 5 June
- D. 22 April

**Q89 General Awareness**

When was the 56th meeting of the Monetary Policy Committee held?

- A. 4, 5 and 6 July 2025
- B. 4, 5 and 6 October 2025
- C. 4, 5 and 6 September 2025
- D. 4, 5 and 6 August 2025

**Q90 General Awareness**

The city of Awaza, the venue of the Third UN Conference on Landlocked Developing Countries (2025), is located in which nation?

- A. Turkmenistan
- B. Uzbekistan
- C. Kyrgyz Republic
- D. Kazakhstan

**Q91 General Awareness**

Announced in 2025, in which state is Similipal National Park located?

- A. Bihar
- B. Madhya Pradesh
- C. Odisha
- D. Karnataka

**Q92 General Awareness**

The GST Council has scrapped how much percentage tax on all individual life and health insurance policies, effective 22 September 2025?

- A. 16%
- B. 14%
- C. 12%
- D. 18%

**Q93 General Awareness**

The Parliament of which country passed the Waqf (Amendment) Bill, 2025?

- A. Kenya
- B. China
- C. India
- D. Nepal

**Q94 General Awareness**

At the 2025 Kalinga Literary Festival, Professor Arunava Sinha won an award for his translation of stories by?

- A. Vikas Swarup
- B. Jeet Thayil
- C. Savie Karnel
- D. Sandipan Chattopadhyay

**Q95 General Awareness**

GARBH-INi-DRISHTI, which was launched at Translational Health Science and Technology Institute (THSTI) in February 2025, provides access to an unprecedented wealth of clinical data, images and biospecimens collected from over 12,000 _____.

- A. patients suffering from haemophilia and other blood diseases
- B. patients who survived COVID-19
- C. pregnant women, newborns and postpartum mothers
- D. cancer and AIDS patients

**Q96 General Awareness**

What is India's Sustainable Development Goals (SDG) Index score as per the SDG Index released in June 2025?

- A. 67
- B. 72
- C. 58
- D. 53



Q97 General Awareness

Which of the following ministries launched Phase 01 of India's Social Protection Data Pooling Exercise in March 2025 to strengthen welfare schemes and support vulnerable groups through better data consolidation at the Central level?

- A. Ministry of Finance
- B. Ministry of Rural Development
- C. Ministry of Home Affairs
- D. Ministry of Labour and Employment



Q98 General Awareness

Who took oath as the ninth Chief Minister of Delhi at the Ramlila Maidan on 20 February 2025?

- A. Arvind Kejriwal
- B. Ravinder Indraj
- C. Rekha Gupta
- D. Manjinder Singh Sirsa



Q99 General Awareness

Which organisation typically supports the implementation of the 'Sports and Games for the Disabled' scheme?

- A. Ministry of Education
- B. Indian Railways
- C. Ministry of Youth Affairs and Sports
- D. Reserve Bank of India



Q100 General Awareness

In April 2025, which IPL franchise became the first team to reach 150 victories in the history of the tournament?

- A. Kolkata Knight Riders
- B. Chennai Super Kings
- C. Royal Challengers Bengaluru
- D. Mumbai Indians



General Science

25 Questions • Answer Key

Q1 General Science

A resistor of $4\ \Omega$ produces 64 J of heat every second. What is the potential difference across it?

A. 16 V



B. 16 A

C. 64 A

D. 8 V

Q2 General Science

A light ray passes through the centre of curvature of a convex mirror. What happens to it after reflection?

A. It retraces its own path.



B. It becomes parallel to the principal axis.

C. It gets absorbed.

D. It converges at the focus.

Q3 General Science

What is the atomic mass of magnesium oxide?

A. 35

B. 45

C. 32

D. 40



Q4 General Science

In which of the following media is the speed of sound the highest?

A. Air at room temperature

B. Water

C. Vacuum

D. Iron



Q5 General Science

Which of the following objects will sink in water? (Take the density of water as 1g/cm^3)

(i) An iron nail of density 2.5g/cm^3 (ii) A iron block of density 0.83g/cm^3 (iii) A iron ball of density 2g/cm^3

A. Only (ii)

B. Both (i) and (iii)



C. Only (iii)

D. Both (i) and (ii)

Q6 General Science

What is the atomic mass of oxygen?

A. 8 u

B. 12 u

C. 18 u

D. 16 u



Q7 General Science

Select the correct property of micelles in soap that help them to interact with water:

A. hydrophobic tail

B. hydrophilic head



C. hydrocarbon

D. both hydrophilic head and hydrophobic tail

Q8 General Science

Which of the following non-metals exhibits a metallic lustre despite being chemically non-metallic?

A. Phosphorus

B. Nitrogen

C. Sulphur

D. Iodine



Q9 General Science

Which of the following correctly describes an ion?

- A. A molecule that has gained or lost neutrons
- B. An atom with more protons than neutrons
- C. An atom or group of atoms with a net electric charge ✓
- D. A neutral molecule formed by ionic bonding

Q10 General Science

What is the longevity period of egg in the fallopian tube in case of failure of fertilisation in human females?

- A. 3-4 days
- B. 1-2 days ✓
- C. 4-5 days
- D. 6-7 days

Q11 General Science

What should be the position of the object, if a concave mirror forms a virtual, erect and enlarged image of the object?

- A. The object is placed at the centre of curvature of the mirror.
- B. The object is placed between the focus and the centre of curvature.
- C. The object is placed at the focus of the mirror.
- D. The object is placed between the pole and the focus of the mirror. ✓

Q12 General Science

Which of the following statements is true according to the First Law of Motion?

- A. A car accelerates when the engine is started.
- B. A stone falling freely under gravity.
- C. A rocket launching upward.
- D. A person continues to move forward when a car stops suddenly. ✓

Q13 General Science

Which of the following statements about vacuoles is INCORRECT?

- A. Vacuoles in plant cells are filled with cell sap, which helps provide turgidity and rigidity.
- B. Plant cells usually have a large central vacuole.
- C. Vacuoles are responsible for protein synthesis in the cell. ✓
- D. Vacuoles store important substances such as amino acids, sugars, organic acids and proteins.

Q14 General Science

Which of the following statements is true about modern fish farming?

- A. Enzymes are used to help fish grow bigger
- B. Fish farming cannot be done in ponds
- C. Hormones are used for fish breeding ✓
- D. All fish seeds are collected from rivers

Q15 General Science

Which of the following statements is correct regarding the mitochondria in a plant cell?

- A. The mitochondrial inner membrane is deeply folded. ✓
- B. Mitochondria performs photosynthesis.
- C. Mitochondria has a single membranous covering.
- D. Mitochondria does not have its own DNA.

Q16 General Science

What is the minimum approximate work required to bring a car of mass 1500 kg moving at a velocity of 60 km/hr to rest?

- A. 6.25×10^5 J
- B. 2.08×10^5 J ✓
- C. 1.56×10^5 J
- D. 4.68×10^5 J

Q17 General Science

Which of the following facilitates the communication between the central nervous system and the other parts of the body?

- A. Peripheral nervous system ✓
- B. Voluntary muscles
- C. Involuntary muscles.
- D. Spinal cord

Q18 General Science

Flushing of which gas is usually preferred in order to prevent the rancidity of the packaged food items?

- A. Dinitrogen trioxide
- B. Nitrogen dioxide
- C. Nitrogen ✓
- D. Nitric oxide



Q19 General Science

What do we call the motion of an object that travels equal distances in equal intervals of time, even when the time intervals are very small?

- A. Non-uniform motion
- B. Accelerated motion
- C. Uniform motion ✓
- D. Circular motion

Q20 General Science

The extraction of metals from their ores is known as which of the following?

- A. Mining
- B. Smelting
- C. Metallurgy ✓
- D. Refining

Q21 General Science

A mother who is malnourished during pregnancy is likely to:

- A. have a faster delivery
- B. produce more milk
- C. give birth to an underweight baby ✓
- D. have a stronger immune system

Q22 General Science

Which of the following tissues makes the plant hard and stiff?

- A. Chlorenchyma
- B. Sclerenchyma ✓
- C. Aerenchyma
- D. Collenchyma

Q23 General Science

Which of the following plants is unisexual?

- A. Mustard
- B. China rose
- C. Pea
- D. Papaya ✓

Q24 General Science

Why is it impossible for two magnetic field lines to cross each other at a single point?

- A. Because they repel each other due to like polarity
- B. Because it would imply the compass needle could point in two directions simultaneously ✓
- C. Because the magnetic field strength would be zero at that point
- D. Because they are always parallel inside the magnet

Q25 General Science

A yellow luminous flame is usually an indication of which of the following?

- A. Formation of carbon dioxide
- B. Incomplete combustion with unburnt carbon particles ✓
- C. Complete combustion
- D. Combustion of metals

Mathematics

25 Questions • Answer Key

Q26 Mathematics

A class of 93 students took a Physics test. 10 students had an average score of 90. The remaining students had an average score of 75. What is the average score (rounded off to one decimal place) of the whole class?

- A. 86.7
- B. 74.9
- C. 71.8
- D. 76.6 ✓

Q27 Mathematics

The difference between two numbers is 92. The ratio of the two numbers is 7 : 3. Which is the smaller of the two numbers?

- A. 79
- B. 96
- C. 63
- D. 69 ✓



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Q28 Mathematics

The cost of a washing machine is 75% less than the cost of a TV. If the cost of the washing machine increases by 72% and that of the TV decreases by 20%, then what is the percentage change in the total cost of 4 washing machines and 3 TVs?

- A. Increase by 6%
- B. Decrease by 1%
- C. Decrease by 8%
- D. Increase by 3% ✓

Q29 Mathematics

If an item marked at ₹6,250 is sold for ₹250, then what is the discount percentage?

- A. 95%
- B. 96% ✓
- C. 97%
- D. 98%

Q30 Mathematics

A 290-metre-long train crosses a platform thrice its length in 29 seconds. What is the speed of the train (in km/hr)?

- A. 153
- B. 147
- C. 144 ✓
- D. 138

Q31 Mathematics

A dealer makes a profit of 52% even after giving a 24% discount on the advertised price of a scooty. If he makes a profit of ₹6,526 on the sale of the scooty, what is the advertised price (in ₹)?

- A. 25,065
- B. 25,132
- C. 25,103
- D. 25,100 ✓

Q32 Mathematics

If $A : B = 4 : 6$ and $B : C = 7 : 11$, then $A : B : C$ is:

- A. 14 : 21 : 33 ✓
- B. 4 : 12 : 33
- C. 4 : 31 : 21
- D. 11 : 23 : 40

Q33 Mathematics

A and B working together can do a piece of work in 6 days. B alone can do the same work in 14 days. How long (in days) will A alone take to do double the work?

- A. 10.5
- B. 22
- C. 24
- D. 21 ✓

Q34 Mathematics

A sum of money was invested at simple interest at a certain rate for 9 years. Had it been invested at an 8% per annum higher rate, it would have fetched ₹7,992 more. Find the principal.

- A. ₹11,100 ✓
- B. ₹11,200
- C. ₹10,200
- D. ₹12,200

Q35 Mathematics

Sohan sells a water bottle to Ronak at 28% profit. Ronak sells the water bottle to Rahul at a profit of 12.5%. If Rahul paid ₹288 for the water bottle, then for how much did Sohan buy it?

- A. ₹200 ✓
- B. ₹220
- C. ₹180
- D. ₹150

Q36 Mathematics

A rectangular aquarium with dimensions 60 cm × 45 cm × 40 cm is filled with water to 80% of its height. If a solid metallic cube of edge 20 cm is completely immersed in it, by how much does the water level rise (rounded off to two decimal places)?

- A. 2.36 cm
- B. 2.96 cm ✓
- C. 2.56 cm
- D. 2.76 cm

Q37 Mathematics

Find the H.C.F. of 18, 54, and 72 is:

- A. 27
- B. 12
- C. 18 ✓
- D. 6



Q38 Mathematics

In 10 years from now, A will be twice as old as B was 10 years ago. If A is 9 years older than B, find the present age of A.

A. 48 years



B. 40 years

C. 44 years

D. 38 years

Q39 Mathematics

The sides of a triangle are 24 cm, 32 cm and 40 cm. What is the length of its altitude corresponding to the side with the length of 32 cm?

A. 33 cm

B. 24 cm



C. 43 cm

D. 55 cm

Q40 Mathematics

Find the area of the triangle if the lengths of its two perpendicular sides are 4 cm and 5 cm.

A. 10 cm²



B. 30 cm²

C. 20 cm²

D. 25 cm²

Q41 Mathematics

What is the third proportional to $54x^2$ and $18xy$?

A. $7y^2$

B. $4y^2$

C. $6y^2$



D. $5y^2$

Q42 Mathematics

The arithmetic mean of the observations 27, 36, 12, 24, 48, 59, 60, 80 and 14 is:

A. 38

B. 40



C. 31

D. 36

Q43 Mathematics

The value of $[3 \div 2 \times (7 - 2)] - (3 \div 2 \text{ of } 6) - 2$ is:

A. 5.75

B. 6.25

C. 5.25



D. 4.75

Q44 Mathematics

If 10% of 60% of $\frac{2}{3}$ of a number is 841, find the number.

A. 21500

B. 22530

C. 20110

D. 21025



Q45 Mathematics

The minute hand of a large wall clock is 63 cm long. Using $\pi = \frac{22}{7}$, find the length of the arc (in cm) traced by the tip of the minute hand in 11 seconds.

A. 1.74

B. 1.21



C. 1.10

D. 1.59

Q46 Mathematics

Simplify: $\frac{(2x^2y^{-1})^3}{(4xy)^4} \times \frac{(4x^{-3}y^4)^3}{(2x^2y)^3}$

A. $\frac{y^2}{2x^{13}}$

B. $\frac{y^2}{4x^{13}}$



C. $\frac{3y^2}{2x^{11}}$

D. $\frac{y^2}{x^{11}}$

Q47 Mathematics

$\frac{1}{20}$ is what percentage of $\frac{9}{90}$?

A. 100%

B. 65%

C. 50%



D. 60%

Q48 Mathematics

Simplify: $(x + 7)^2$

A. $x^2 + 49$

B. $x^2 + 14x + 49$



C. $x^2 + 2x + 49$

D. $x^2 + 7x + 49$



Q49 Mathematics

A helicopter is flying at a height of 575 m. A person on the ground sees it at an angle of elevation of 30° . What is the horizontal distance from the person to the point on the ground exactly below the helicopter?

(Take $\sqrt{3} = 1.73$)

A. 990.75 m

B. 896.75 m

C. 994.75 m



D. 895.75 m

Q50 Mathematics

Pipe P can fill $\frac{2}{5}$ part of a tank in 42 hours and pipe Q can fill $\frac{2}{5}$ part of the same tank in 30 hours. Both P and Q were kept open for 5 hours, then both were closed. Pipe R alone was then opened and it emptied the water in the tank in 12 hours. Pipes P, Q and R together can fill the empty tank in:

A. 92 hours

B. 71 hours

C. 94 hours

D. 75 hours

**General Intelligence & Reasoning**

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. CBF

B. KJN

C. UUX



D. VUY

Q53 General Intelligence & Reasoning

Select the pair that follows the same pattern as the one followed by the two pairs given below. Both pairs follow the same pattern.

OSO-SWS
IMI-MQM

A. QTO-TXT

B. QTO-UYU

C. QUQ-UYU



D. QUQ-TYT

Q52 General Intelligence & Reasoning

HO 2 is related to IJ -12 in a certain way. In the same way, FI 5 is related to GD -9. To which of the given options is HU 3 related, following the same logic?

A. IP -11



B. JP -13

C. IQ -11

D. JQ -13

Q54 General Intelligence & Reasoning

Each of the digits in the number 3412687 is arranged in ascending order from left to right. What will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

A. 11

B. 9



C. 8

D. 6



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Q55 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(25, 21, 38)
(43, 39, 56)

A. (32, 36, 53)

B. (9, 5, 24)

C. (39, 35, 18)

D. (26, 22, 39) ✓

Q56 General Intelligence & Reasoning

Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) 7 \$ 5 @ 3 ! 3 5 6 7 & % \$ 3 # 2 7 + ? > < (Right)

If all the numbers are dropped from the series, which of the following will be the seventh from the right?

A. @

B. \$

C. % ✓

D. #

Q57 General Intelligence & Reasoning

Refer to the following series and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers only.)

(Left) 5 7 1 8 4 2 3 9 5 7 6 1 (Right)

How many even numbers are there (from left to right) which are immediately followed by odd numbers?

A. Three

B. More than three

C. Two ✓

D. One

Q58 General Intelligence & Reasoning

In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

LAKE - ALKE - EKAL
UGLY - GULY - YLGU

A. MEAT - EMAT - TEAM

B. SINK - ISNK - KNIS ✓

C. PLAY - PALY - YALP

D. RUNS - URNS - UNSR

Q59 General Intelligence & Reasoning

Each of the digits in the number 2716495 is arranged in ascending order from left to right. What will be the sum of the digits that are first from the left and first from the right in the new number thus formed?

A. 10 ✓

B. 7

C. 9

D. 12

Q60 General Intelligence & Reasoning

Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north.

Only one person sits to the left of E. Only two people sit between E and F. C sits immediately to the right of D. G sits immediately to the left of A. Only one person sits between F and D. How many people sit between A and E?

A. 3

B. 4 ✓

C. 1

D. 2

Q61 General Intelligence & Reasoning

Seven boxes, M, N, O, P, Q, R and S, are kept one over the other, but not necessarily in the same order. Only three boxes are kept below N. Only two boxes are kept between N and P. Only Q is kept above O. S is kept at some place below R and at some place above M. Which box is kept at the second position from the bottom?

A. P

B. O

C. S

D. M ✓



Q62 General Intelligence & Reasoning

Town K is to the east of Town L. Town M is to the south of Town K. Town N is to the west of Town M. Town O is to the north of Town N. Town L is to the north-west of Town O. What is the position of Town K with respect to Town O?

- A. North-west
- B. South-east
- C. South-west
- D. North-east**

**Q63 General Intelligence & Reasoning**

O, P, Q, R, W, X, and Y are sitting in a straight line facing the north. Only three people sit between W and Y. P sits to the immediate left of Y. No one sits to the right of Q. Only two people sit between Q and P. X sits to the immediate right of O.

How many people sit between R and X?

- A. Four
- B. Three
- C. Two**
- D. One

**Q64 General Intelligence & Reasoning**

O, P, Q, R, W, X and Y are sitting in a straight line, facing north.

Only three people sit to the left of P. Only R sits to the right of Q. Only three people sit between Q and O. X sits at some place to the left of Y but at some place to the right of W. How many people sit between W and Y?

- A. One
- B. Four
- C. Two
- D. Three**

**Q65 General Intelligence & Reasoning**

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

BJR 18 CKS 20 DLT 22 EMU 24 ?

- A. GPV 26
- B. FOW 26
- C. FNV 26**
- D. GOY 26

**Q66 General Intelligence & Reasoning**

In a certain code language,

A ? B means 'A is the daughter of B',
 A = B means 'A is the son of B',
 A @ B means 'A is the father of B' and
 A √ B means 'A is the sister of B'.

How is C related to L if 'C √ D ? E @ F = L'?

- A. Mother
- B. Wife
- C. Daughter**
- D. Sister

**Q67 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

8 10 7 12 '?' 16

- A. 11
- B. 4
- C. 5**
- D. 10

**Q68 General Intelligence & Reasoning**

If 1 is added to each even digit and 2 is subtracted from each odd digit in the number 7362984, what will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

- A. 8
- B. 9
- C. 10**
- D. 11

**Q69 General Intelligence & Reasoning**

Refer to the given series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 4 5 5 4 3 8 3 2 8 2 4 4 5 8 2 6 4 9 7 8 4 2 2 9 6 1 3
 (Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

- A. 4
- B. 2**
- C. 1
- D. 3



Q70 General Intelligence & Reasoning

Mr. Akai starts from Point A and drives 16 km towards the north. He then takes a left turn, drives 14 km, turns left and drives 19 km. He then takes a left turn and drives 30 km. He takes a final left turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

- A. 16 km to the east
- B. 20 km to the south
- C. 16 km to the west**
- D. 12 km to the north

Q71 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- A. PG – NS**
- B. VM – SY
- C. WN – TZ
- D. XO – UA

Q72 General Intelligence & Reasoning

In a certain code language, 'star bag magic' is coded as 'bk kk sm' and 'wheat star poem' is coded as 'kk tj ew'. How is 'star' coded in that language?

- A. bk
- B. kk**
- C. sm
- D. tj

Q73 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?
42 55 68 81 94 ?

- A. 105
- B. 107**
- C. 125
- D. 95

Q74 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

17 24 38 59 87 ?

- A. 120
- B. 122**
- C. 123
- D. 121

Q75 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some fruits are vegetables.
All vegetables are animals.

Conclusions:

(I): Some animals are fruits.
(II): Some fruits are not animals.

- A. Only conclusion (I) follows**
- B. Only conclusion (II) follows
- C. Neither conclusion (I) nor (II) follows
- D. Both conclusions (I) and (II) follow

Q76 General Intelligence & Reasoning

In a certain code language, 'hold it together' is coded as 'gt df za' and 'do it together' is coded as 'kl df za'. How is 'hold' coded in the given language?

(All codes are two-letter codes)

- A. za
- B. gt**
- C. df
- D. kl



Q77 General Intelligence & Reasoning

Refer to the number series given below and answer the question that follows. Counting to be done from left to right only.

(NOTE: All numbers are single-digit numbers only.)

(Left) 1 1 4 3 4 8 2 5 2 4 8 3 1 3 8 3 3 4 3 2 8 9 7 3 4 2 8
(Right)

How many such odd numbers are there each of which is immediately preceded by an even number and also immediately followed by an even number?

A. 3



B. 2

C. 5

D. 4

Q78 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some Robins are Penguins.
All Penguins are Magpies.
All Magpies are Eagles.

Conclusions:

(I): All Penguins are Eagles.
(II): Some Magpies are Robins.

A. Both conclusions (I) and (II) follow



B. Neither conclusion (I) nor (II) follows

C. Only conclusion (I) follows

D. Only conclusion (II) follows

Q79 General Intelligence & Reasoning

Kavya ranked 32nd from the top and 15th from the bottom in her class. How many students are there in the class?

A. 35

B. 40

C. 46



D. 36

Q80 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

CKT60, GMS54, KOR48, ?

A. ORQ42

B. PRR41

C. PQR41

D. OQQ42

**General Awareness**

20 Questions • Answer Key

Q81 General Awareness

The World Social Summit (Second Summit for Social Development) was scheduled for 4–6 November 2025 in:

A. Geneva, Switzerland

B. Nairobi, Kenya

C. Doha, Qatar



D. New York, USA

Q82 General Awareness

During the Asian Productivity Organization's May 2025 meeting, what leadership role did India assume?

A. Elected as Secretary-General

B. Announced relocation of secretariat to New Delhi

C. Vice-Chair for 2025–26

D. Chairmanship for 2025–26



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Q83 General Awareness

Who won the Men's Singles title at the Australian Open 2025?

- A. Alexander Zverev
- B. Novak Djokovic
- C. Jannik Sinner
- D. Carlos Alcaraz

**Q84 General Awareness**

In 2025, which nation announced its withdrawal from the Economic Community of Central African States (ECCAS)?

- A. Cameroon
- B. Burundi
- C. Rwanda
- D. Gabon

**Q85 General Awareness**

Which coach received the Dronacharya Award for shooting in 2025?

- A. S Muralidharan
- B. Sandeep Sangwan
- C. Subhash Rana
- D. Deepali Deshpande

**Q86 General Awareness**

Which of the following cities of India established a Public-Private Partnership (PPP) model-based green waste processing plant under the Swachh Bharat Mission-Urban that started the first batch of trial production in March 2025?

- A. Chennai
- B. Mysore
- C. Chandigarh
- D. Indore

**Q87 General Awareness**

As reported in February 2025, the Union Environment Ministry of Government of India developed new features on which platform for quicker processing of forest clearances?

- A. SAMARPAN 2.0
- B. PARIVESH 2.0
- C. PARIVARTAN 2.0
- D. Ecosia 2.0

**Q88 General Awareness**

What is the name of the scheme announced in Union Budget 2025-26 for promoting Indian language books in digital form?

- A. Bhasha Shiksha Abhiyan
- B. Bharatiya Bhasha Pustak Scheme
- C. Vidya Vani Project
- D. Digital Bharat Granth Scheme

**Q89 General Awareness**

Which of the following government schemes was launched to strengthen India's ecosystem for manufacturing electronic components, modules, and sub-assemblies?

- A. Electronics Component Manufacturing Scheme
- B. Digital India Programme
- C. Make in India Initiative
- D. Production Linked Incentive (PLI) Scheme

**Q90 General Awareness**

Which of the following major health issues is Puducherry targeting in 2025 through its new screening initiative under the Family Adoption Programme?

- A. Dengue
- B. Diabetes
- C. Tuberculosis
- D. Malaria

**Q91 General Awareness**

Under the scheme ADITI (Acing Development of Innovative Technologies), announced at DefConnect 2024, which of the following is the size of the corpus to promote innovation in defence technologies?

- A. ₹500 crore
- B. ₹1,000 crore
- C. ₹250 crore
- D. ₹750 crore

**Q92 General Awareness**

Who inaugurated the Fit India Carnival, 2025?

- A. Amit Shah
- B. Narendra Modi
- C. Anurag Thakur
- D. Mansukh Mandaviya



Q93 General Awareness

On 16 May 2025, the Supreme Court struck down government provisions that allowed what type of environmental clearance?

- A. Fast-track clearances
- B. Clearances for small-scale projects
- C. Hastily approved clearances
- D. Retrospective environmental clearances ✓

Q94 General Awareness

On 21 May 2025, the Indian Navy officially inducted a uniquely constructed Ancient Stitched Ship at Karwar Naval Base. Which IIT is the technical partner for this?

- A. IIT Hyderabad
- B. IIT Madras ✓
- C. IIT Kharagpur
- D. IIT Kanpur

Q95 General Awareness

In November 2025, Narendra Modi inaugurated 'Shanti Shikhar', a modern centre for spiritual learning, peace, and meditation of the Brahma Kumaris at Nava Raipur in which Indian state?

- A. Chhattisgarh ✓
- B. Odisha
- C. Madhya Pradesh
- D. Jharkhand

Q96 General Awareness

Which of the following organisations launched the 'Digital Taxpayer Interface System' (DTIS) in 2025 to ease income tax filing?

- A. NITI Aayog
- B. Reserve Bank of India
- C. Central Board of Direct Taxes (CBDT) ✓
- D. GST Council

Q97 General Awareness

In June 2025, what was the Reserve Bank of India's (RBI) forecast for the average Consumer Price Index (CPI) inflation for FY26?

- A. 4.1%
- B. 3.1%
- C. 3.5%
- D. 3.7% ✓

Q98 General Awareness

Which of the following reports, released in October 2025, stated that human-caused PM2.5 pollution was responsible for more than 1.7 million deaths in India in 2022?

- A. The World Health Organization Air Quality Assessment Report, 2025
- B. India State of Environment and Health Overview Report, 2025
- C. The Lancet Countdown on Health and Climate Change ✓
- D. The UNEP Global Assessment Report on Air Pollution and Health

Q99 General Awareness

What is the full form of ICC in the context of cricket?

- A. Indian Cricket Council
- B. International Council for Cricket
- C. International Cricket Council ✓
- D. International Cricket Confederation

Q100 General Awareness

Which of the following portals integrated multiple agriculture schemes across ministries in June 2025?

- A. FarmOne
- B. Kisan Setu
- C. AgriConnect
- D. Krishi Nivesh ✓



General Science

25 Questions • Answer Key

Q1 General Science

A boy is running in a circular track of radius 10 m. He completes one circle in 1 minute. What is his average speed?

- A. 10.4 m/s
- B. 0 m/s
- C. 1.04 m/s
- D. 5.2 m/s

Q2 General Science

The absolute refractive index of a medium is defined as the ratio of _____.

- A. speed of light in vacuum to speed of light in medium
- B. speed of light in water to speed of light in medium
- C. speed of light in medium to speed of light in vacuum
- D. speed of light in glass to speed of light in water

Q3 General Science

A voltmeter is always connected in a circuit:

- A. in series
- B. in diagonal
- C. in parallel
- D. in place of a switch

Q4 General Science

Which of the following best describes the key feature of the velocity–time graph for an object moving with uniform velocity?

- A. It is a straight line parallel to the velocity axis.
- B. It is a curved line.
- C. It is a straight line parallel to the time axis.
- D. It is a straight line inclined to the time axis.

Q5 General Science

The ability of gases to be compressed easily is due to:

- A. strong forces between particles
- B. lack of particles
- C. high mass of particles
- D. large spaces between particles

Q6 General Science

When light enters a glass prism from air at the first refracting surface, the light ray _____.

- A. Bends towards the normal, as it enters a denser medium
- B. Bends away from the normal, increasing the angle of incidence
- C. Undergoes total internal reflection.
- D. Passes straight through without bending

Q7 General Science

The formula for acceleration due to gravity (g) at the surface of the Earth is _____.

- A. $g = GM/R^2$
- B. $g = R^2/GM$
- C. $g = G/MR^2$
- D. $g = GM/R$

Q8 General Science

If a man of mass 75 kg climbs an 8 m staircase in 25 s, taking $g = 10 \text{ m/s}^2$, his average power is _____.

- A. 120 W
- B. 24 W
- C. 150 W
- D. 240 W

Q9 General Science

According to Joule's law of heating, the heat produced (H) is directly proportional to which of the following?

- A. The square of the time (t^2)
- B. The square of the resistance (R^2)
- C. The current (I)
- D. The square of the current (I^2)

Q10 General Science

Isobars are atoms having the same:

- A. mass number, different elements
- B. atomic number and mass
- C. number of electrons only
- D. number of neutrons only



Q11 General Science

Why do we need to conserve coal and petroleum?

- A. They are unlimited resources.
- B. They are non-renewable sources of energy. ✓
- C. They are renewable sources of energy.
- D. They are formed every day in factories.

Q12 General Science

How many atoms are there in a molecule of water?

- A. 2
- B. 1
- C. 3 ✓
- D. 4

Q13 General Science

Which of the following statements is INCORRECT regarding the shape and function of different cell types?

- A. White blood cells can change shape to move through tissues.
- B. Red blood cells are biconcave to increase oxygen-carrying capacity.
- C. Muscle cells are flat and circular to help them flow in blood. ✓
- D. Nerve cells are long and branched to carry messages across the body.

Q14 General Science

What is the meaning of 'Different parts of the human body perform different functions'?

- A. All cells perform same function
- B. Presence of division of labour ✓
- C. Absence of division of labour
- D. Different cells perform same function

Q15 General Science

Which of the following cell organelles is filled with digestive enzymes and helps to keep the cell clean by digesting any foreign material as well as worn out cell organelles?

- A. Ribosome
- B. Chromoplast
- C. Chloroplast
- D. Lysosomes ✓

Q16 General Science

What is the electronic configuration of oxygen (Atomic number = 8)?

- A. 4, 4
- B. 2, 6 ✓
- C. 2, 4, 6
- D. 2, 8

Q17 General Science

A government scheme promotes the rearing of fish in artificially controlled freshwater ponds. What is this type of fishing called?

- A. Capture fishing
- B. Culture fishing ✓
- C. Marine fishing
- D. Saltwater fishing

Q18 General Science

Why are ultrasounds preferred for cleaning objects with complex shapes?

- A. Their high frequency dislodges dirt particles ✓
- B. They produce magnetic effect
- C. They increase temperature of solution
- D. They have very high speed in liquids

Q19 General Science

Which of the following methods is NOT used for the ore enrichment?

- A. Dredging ✓
- B. Hydraulic washing
- C. Leaching
- D. Froth floatation

Q20 General Science

Small changes in DNA copies during reproduction are important because they _____.

- A. always cause harmful effects
- B. provide variations which may help in survival ✓
- C. prevent fertilisation from happening
- D. stop reproduction in the next generation



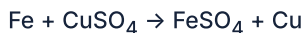
Q21 General Science

What is the role of the prostate gland and seminal vesicles in the human male reproductive system?

- A. To secrete testosterone
- B. To provide fluids for transporting sperm ✓
- C. To produce sperm cells
- D. To lower the temperature of the testes

Q22 General Science

In the following reaction, what colour change is observed?



- A. Red to green
- B. Green to blue
- C. Blue to green ✓
- D. Blue to red

Q23 General Science

When barium chloride reacts with aluminium sulphate, it gives aluminium chloride along with:

- A. a white colour precipitate of barium oxide
- B. a yellow colour precipitate of barium sulphate
- C. a white colour precipitate of barium chloride
- D. a white colour precipitate of barium sulphate ✓

Q24 General Science

Which of the following organisms reproduces by binary fission?

- A. Spirogyra
- B. Planaria
- C. Hydra
- D. Amoeba ✓

Q25 General Science

What type of reaction is $\text{CaO} + \text{H}_2\text{O} \rightarrow \text{Ca(OH)}_2$?

- A. Neutralisation
- B. Combination ✓
- C. Decomposition
- D. Displacement

Mathematics

25 Questions • Answer Key

Q26 Mathematics

The sum of two consecutive numbers is 51. What are the numbers?

- A. 24, 25
- B. 26, 27
- C. 25, 26 ✓
- D. 27, 28

Q27 Mathematics

The cost price of a box of pen is ₹5,400. The shopkeeper gives a 62% discount on the cost price. What will be the selling price (in ₹)?

- A. 1,986
- B. 2,052 ✓
- C. 2,138
- D. 2,095

Q28 Mathematics

Pipe A can fill a tank in 32 minutes and pipe B can empty it in 48 minutes. If both the pipes are opened together, after how many minutes should pipe B be closed, so that the tank is filled in 60 minutes?

- A. 36
- B. 40
- C. 48
- D. 42 ✓

Q29 Mathematics

The average age of a father and his daughter is 27 years. The ratio of their ages 4 years hence from now, will be 23 : 8. Find the daughter's present age (in years).

- A. 16
- B. 12 ✓
- C. 15
- D. 20



Q30 Mathematics

Two banks, A and B, offered loans at 3.5% and 7% per annum, respectively. Ashish borrowed an amount of ₹4,40,000 from each bank. Find the positive difference (in ₹) between the amounts of simple interest paid to the two banks by Ashish after 4 years.

A. 61,600



B. 62,600

C. 61,100

D. 63,100

Q31 Mathematics

If mean is 35 and median is 33.5, then the value of mode is:

A. 31

B. 30.5



C. 31.5

D. 32

Q32 Mathematics

In a right-angle triangle ABC, right angled at B, $AB = 8$ cm. A line AO is drawn which meets BC at O such that $AO = OC = 10$ cm. Find the area of triangle ABC.

A. 40 cm²

B. 36 cm²

C. 64 cm²



D. 50 cm²

Q33 Mathematics

A, B and C can do a piece of work in 2, 6 and 3 days, respectively. How long (in days) will they take to do thrice the same work, working together?

A. 4

B. 9

C. 3



D. 6

Q34 Mathematics

The fourth proportional to 12, a, and 6a is 50. What is the positive value of 'a'?

A. 10



B. 8

C. 12

D. 13

Q35 Mathematics

A camp has provisions for 55 persons for 14 days. In how many days will the same provisions finish off, if the strength of the camp is increased to 70 persons?

A. 14

B. 11



C. 10

D. 9

Q36 Mathematics

The total surface area of a right circular cylinder with radius of the base 12 cm and height 72 cm is:

(take $\pi = 22/7$)

A. 5430 cm²

B. 6336 cm²



C. 905 cm²

D. 528 cm²

Q37 Mathematics

If a X m long train running at a speed of 41 m/sec crosses a railway platform in 34 sec. Find the value of X, if the length of the railway platform is 301 m.

A. 1088

B. 1093



C. 1090

D. 1089

Q38 Mathematics

The income of Raman is ₹70,000. He saves 26% of his income. If his income increases by 32% and expenditure increases by 45%, then his savings will:

A. decrease by ₹910



B. increase by ₹909

C. increase by ₹913

D. decrease by ₹908

Q39 Mathematics

An article is sold at a 15% profit. If it had been sold for ₹90 more, the profit would have been 25%. What is the cost price of the article?

A. ₹800

B. ₹850

C. ₹900



D. ₹950



Q40 Mathematics

The arithmetic mean of the observations 90, 94, 44, 97, 46, 72, 62, 44 and 54 is:

A. 72

B. 67



C. 71

D. 57

Q41 Mathematics

A dealer purchased a microwave for ₹57,000. He allows a discount of 64% on its marked price and still gains 38%. Find the marked price of the microwave.

A. ₹2,18,514

B. ₹2,18,500



C. ₹2,18,310

D. ₹2,18,398

Q42 Mathematics

The sides of a triangle are 20 cm, 51 cm, and 37 cm. What is the length of its altitude corresponding to the side with a length of 51 cm?

A. 30 cm

B. 49 cm

C. 12 cm



D. 53 cm

Q43 Mathematics

₹3,246 is divided among A, B, C and D in such a way that the shares of A and B, B and C, and C and D are in the ratios of 4 : 5, 4 : 5, and 6 : 7, respectively. The share of A (in ₹) is:

A. 508

B. 532

C. 576



D. 612

Q44 Mathematics

Two cars start from the same point and travel in opposite directions. If one car travels at 60 km/hr and the other at 75 km/hr, how far apart will they be after 3 hours?

A. 445 km

B. 425 km

C. 395 km

D. 405 km

**Q45 Mathematics**

$\frac{1}{20}$ is what percentage of $\frac{9}{100}$? (Round off to two decimal places)

A. 65.55%

B. 70.55%

C. 55.56%



D. 111.11%



Q46 Mathematics

Find the simplified value of the following expression.

$$(3^4 \times 3^{-2}) \div (3^3 \times 3^{-5}) \times (3^6)^{-1}$$

A. $\frac{1}{27}$

B. $\frac{1}{3}$

C. $\frac{1}{9}$



D. $\frac{1}{81}$

Q47 Mathematics

If 60% of 20% of $\frac{2}{6}$ of a number is 343, find the number.

A. 11400

B. 10610

C. 8575



D. 11240

Q48 Mathematics

If $\left(8.5 \div 0.25 + \frac{26}{3} \div \frac{1}{3}\right)$ of $\frac{3}{50} = 0.01$ of P, then the value of P is:

A. 340

B. 348

C. 360



D. 354

Q49 Mathematics

If $x^2 + \frac{1}{x^2} = 47$, then a possible value of $\left(x + \frac{1}{x}\right)$ is:

A. 6

B. 8

C. 7



D. 9



Q50 Mathematics

A ladder makes an angle of 60° with the ground when placed against a wall.

If the foot of the ladder is 2 m away from the wall, the length of the ladder is:

- A. ☐
- B. $3\sqrt{2}$ m ☐
- C. 6 m ☐
- D. $2\sqrt{3}$ m ☒

General Intelligence & Reasoning

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

Which of the given letter-number clusters will replace the question mark (?) in the following series to make it logically complete?

ICG23 JDH31 KEI39 LFJ47 ?

- A. MGK56 ☐
- B. MGK55 ☒
- C. MGL55 ☐
- D. MGL56 ☐

Q52 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 8 5 1 7 3 5 2 8 7 6 9 8 (Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

- A. Two ☐
- B. Four ☐
- C. Three ☐
- D. One ☒

Q53 General Intelligence & Reasoning

If + means $\div$, - means $\times$, $\times$ means $-$, and $\div$ means $+$, then what will come in place of the question mark (?) in the following equation?

$$608 + 76 \times 6 - 37 \div 259 = ?$$

- A. 39 ☐
- B. 33 ☐
- C. 41 ☐
- D. 45 ☒

Q54 General Intelligence & Reasoning

Seven boxes, B, D, E, P, S, T and W, are kept one over the other but not necessarily in the same order. Only two boxes are kept below B. Only one box is kept above W. Only one box is kept between W and E. T is kept immediately above S. P is kept at some place below D. How many boxes are kept between D and T?

- A. One ☐
- B. Three ☐
- C. Two ☐
- D. Four ☒

Q55 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:

Some camels are boats.
Some boats are stars.

Conclusion (I): Some camels are stars.

Conclusion (II): Some boats are camels.

- A. Neither conclusion (I) nor (II) follows. ☐
- B. Only conclusion (II) follows. ☒
- C. Only conclusion (I) follows. ☐
- D. Both conclusions (I) and (II) follow. ☐



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Q56 General Intelligence & Reasoning

Refer to the given number series and answer the question that follows. (All numbers are single-digit numbers only.) (Counting to be done from left to right only.) (Left) 1 8 9 1 3 8 3 8 9 9 5 9 6 5 5 1 7 7 4 2 3 1 6 (Right) How many such even numbers are there, each of which is immediately preceded by an even number and also immediately followed by an even number?

A. Three

B. One

C. None

D. Two

Q57 General Intelligence & Reasoning

In a certain code language,
A ? B means 'A is the daughter of B',
A = B means 'A is the son of B',
A @ B means 'A is the father of B',
and A √ B means 'A is the sister of B'.

How is C related to L if 'C ? D @ E √ F = L'?

A. Wife

B. Sister

C. Daughter

D. Mother

Q58 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?
31 51 71 91 111 ?

A. 130

B. 131

C. 129

D. 132

Q59 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

SWE ZDL GKS NRZ ?

A. UGY

B. UIG

C. UYG

D. UGI

Q60 General Intelligence & Reasoning

Six people, D, E, F, G, H and I, are sitting in a row facing north. Only two people sit to the left of I. D sits third to the right of I. H is an immediate neighbour of both F and D. E sits to the immediate right of G. Three of the following four are alike in a certain way based on the given arrangement and thus form a group. Which one DOES NOT belong to that group?

A. ED

B. FH

C. IF

D. EI

Q61 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

617 627 635 641 645 ?

A. 643

B. 647

C. 641

D. 644

Q62 General Intelligence & Reasoning

Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) % 4 6 1 * @ 8 \$ 7 & Ω 9 # 2 + 3 £ 5 (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by another number?

A. 4

B. 3

C. 6

D. 5



Q63 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(18, 162, 9)
(21, 189, 9)

A. (16, 144, 8)

B. (9, 90, 9)

C. (15, 135, 9)



D. (12, 120, 9)

Q64 General Intelligence & Reasoning

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

All cups are glasses.
All glasses are tiles.

Conclusions:

(I) Some tiles are glasses.
(II) All cups are tiles

A. Neither conclusion (I) nor (II) follows.

B. Both conclusions (I) and (II) follow,



C. Only conclusion (II) follows.

D. Only conclusion (I) follows.

Q65 General Intelligence & Reasoning

In a certain code language, 'moving through life' is coded as 'gt df za' and 'life is short' is coded as 'kl td za'. How is 'life' coded in the given language?

(All codes are two-letter codes)

A. gt

B. df

C. za



D. kl

Q66 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 9 3 8 9 8 9 3 4 4 5 1 2 3 6 8 3 2 9 6 2 9 1 4 9 2 1
(Right)

How many such odd numbers are there, each of which is immediately preceded by an even number and also immediately followed by an even number?

A. Seven

B. Nine

C. Five



D. Eight

Q67 General Intelligence & Reasoning

Tinu starts from point A and drives 55 km towards east. He then takes a right turn, drives 57 km, turns right and drives 61 km. He then takes a right turn and drives 66 km. He takes a final right turn, drives 6 km and stops at point P. How far (shortest distance) and towards which direction should he drive in order to reach point A again?

(Note: All turns are 90° turns only unless specified.)

A. 8 km to the south

B. 9 km to the south



C. 10 km to the north

D. 7 km to the south

Q68 General Intelligence & Reasoning

Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

UN-RK-OQ
SL-PI-MO

A. RJ-NH-KL

B. QJ-NG-KL

C. QJ-NG-KM



D. RJ-NG-KL



Q69 General Intelligence & Reasoning

In a row of 39 people facing north, Vandana is 16th from the left end. If Nayana sits 7th to the right of Vandana, then what is Nayana's position from the right end of the row?

A. 17th



B. 15th

C. 13th

D. 16th

Q70 General Intelligence & Reasoning

In a certain code language, 'may i sit' is coded as 'pt sq ac' and 'please sit here' is coded as 'pt hm rf'. How is 'sit' coded in that language?

A. pt



B. hm

C. rf

D. sq

Q71 General Intelligence & Reasoning

FK 14 is related to CG 16 in a certain way. In the same way, QV 22 is related to NR 24. To which of the given options is OT 27 related, following the same logic?

A. JS 29

B. JQ 28

C. LS 28

D. LP 29

**Q72 General Intelligence & Reasoning**

Monit starts from point A and drives 43 km towards north. He then takes a left turn, drives 54 km, turns left and drives 58 km. He then takes a left turn and drives 67 km. He takes a final left turn, drives 15 km and stops at point P. How far (shortest distance) and towards which direction should he drive in order to reach point A again?

(Note: All turns are 90° turns only unless specified.)

A. 13 km to the west



B. 12 km to the west

C. 10 km to the east

D. 11 km to the east

Q73 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

612 610 606 600 592 ?

A. 582



B. 591

C. 584

D. 581

Q74 General Intelligence & Reasoning

Each of the digits in the number 7214365 is arranged in the ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

A. Two

B. One

C. None

D. Three

**Q75 General Intelligence & Reasoning**

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. RUQ

B. YBX

C. VZU



D. SVR

Q76 General Intelligence & Reasoning

A, B, C, D, E, F and G are sitting around a circular table facing the centre. Only two people sit between D and A when counted from the left of A. C sits third to the left of G. E sits to the immediate right of G. E sits second to the left of D. F is an immediate neighbour of C. How many people sit between B and G when counted from the left of G?

A. Three

B. Four



C. Two

D. One



Q77 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. VS – CH

B. HE – OT

C. SP – ZE

D. PN – WB

**Q78 General Intelligence & Reasoning**

In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

WASP – WPSA – PSAW

GUTS – GSTU – STUG

A. NICE – NECI – ECIN



B. GROW – GRWO – ROWG

C. HUGE – UHGE – EUGH

D. POND – PNOD – DNOP

Q79 General Intelligence & Reasoning

If '+' means '-', '-' means 'x', 'x' means '÷' and '÷' means '+', then what will come in place of the question mark (?) in the following equation?

$$112 \times 4 \div 8 - 2 + 23 = ?$$

A. 13

B. 18

C. 26

D. 21

**Q80 General Intelligence & Reasoning**

Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north. Only six people sit to the right of C. Only four people sit to the left of B. D sits to the left of A but right of B. F sits second to the right of G. How many people sit to the right of E?

A. One

B. Four



C. Three

D. Two

General Awareness

20 Questions • Answer Key

Q81 General Awareness

What was the official theme for the National Technology Day, 2025?

A. TANTRA – Tapasya for Advancing New Technology, Research & Acceleration

B. PANTRA – Prapancha for Advancing New Technology, Research & Acceleration

C. YANTRA – Yugantar for Advancing New Technology, Research & Acceleration



D. MANTRA – Manovikas for Advancing New Technology, Research & Acceleration

Q82 General Awareness

Monika Gusain won a senior executive post in which of the following Indian associations?

A. Indian Institute of Architects

B. Asian Rural Development Organization

C. Supreme Court Bar Association



D. National Association of Realtors - India

Q83 General Awareness

Which para-athlete was honoured with the Major Dhyan Chand Khel Ratna Award by President Droupadi Murmu at Rashtrapati Bhavan in January 2025?

A. Preeti Pal

B. Ajeet Singh

C. Praveen Kumar



D. Subhash Rana

Q84 General Awareness

What responsibility did the Supreme Court give to the National Environmental Engineering Research Institute (NEERI) in April 2025?

A. To repair the Taj Mahal

B. To study the impact of glass industries on the Taj Mahal



C. To promote tourism near the Taj Mahal

D. To relocate glass factories near the Taj Mahal



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Q85 General Awareness

India will ban AsiaSat's AS-5 and AS-7 satellites after 31 March 2026. This decision comes from the Indian National Space Promotion and Authorisation Centre due to concerns over _____.

A. Chinese authority ✓

B. Singaporean authority

C. Japanese authority

D. South Korean authority

Q86 General Awareness

In the Union Budget 2025-26, the Government of India announced which of the following missions for ensuring energy reliability and reducing dependency on fossil fuels?

A. Hydrogen Mission

B. EV Mission

C. Nuclear Energy Mission ✓

D. Hydro Power Mission

Q87 General Awareness

Which of the following tennis tournaments used live electronic line calling instead of human judges in 2025?

A. Australian Open

B. US Open

C. French Open

D. Wimbledon ✓

Q88 General Awareness

As of 4 July 2025, India's foreign exchange reserves stood at _____.

A. ₹67,68,048 crores

B. ₹59,68,048 crores ✓

C. ₹56,58,048 crores

D. ₹54,68,048 crores

Q89 General Awareness

Which earthquake rescue operation was launched by the National Disaster Response Force in Myanmar in March 2025?

A. Operation Bramha ✓

B. Operation Vishnu

C. Operation Naag

D. Operation Sudarshan

Q90 General Awareness

According to the Global Peace Index 2025, which of the following countries at the bottom, indicating the least peaceful nation?

A. Sudan

B. Yemen

C. Russia ✓

D. Syria

Q91 General Awareness

On which date was the birth anniversary of social reformer Jyotiba Phule observed in the year 2025?

A. 11th April ✓

B. 5th September

C. 14th April

D. 15th August

Q92 General Awareness

Where was the 2025 Open Championship (golf) played from July 17-20?

A. Royal Troon, Scotland

B. Royal Liverpool, England

C. St Andrews, Scotland

D. Royal Portrush, Northern Ireland ✓

Q93 General Awareness

Under the Pradhan Mantri Bhartiya Janaushadhi Pariyojana, how many Jan Aushadhi Kendras (JAKs) have been opened till 28 February 2025 across India, having an end-to-end IT-enabled supply chain system?

A. 15,057 ✓

B. 14,057

C. 16,507

D. 13,007

Q94 General Awareness

With which country did India conduct the joint Humanitarian Assistance and Disaster Relief (HADR) exercise in May 2025?

A. The Philippines

B. The Maldives ✓

C. Japan

D. Sri Lanka



Q95 General Awareness

What was the score of India in the Corruption Perceptions Index (CPI) for 2024 released by Transparency International in February 2025?

A. 40

B. 31

C. 24

D. 38

**Q96 General Awareness**

Which of the following hockey players received the Arjuna Award in January 2025?

A. Salima Tete



B. Gurjit Kaur

C. Deep Grace Ekka

D. Savita Punia

Q97 General Awareness

What was the theme for Ayurveda Day, 2025, as announced by the Ministry of Ayush?

A. Ayurveda for Wellness

B. Ayurveda, Environment & You

C. Traditional Remedies in Modern Times

D. Ayurveda for People & Planet

**Q98 General Awareness**

Bima Vistaar, an insurance product covering life, health and property for rural people, is likely to be launched by _____.

A. January 2026

B. November 2025

C. March 2026

D. December 2025

**Q99 General Awareness**

Who won Breakthrough of the Year at the 2025 Laureus Awards?

A. Coco Gauff

B. Victor Wembanyama

C. Summer McIntosh

D. Lamine Yamal

**Q100 General Awareness**

As of June 2025, in which of the following years has India aimed to achieve net-zero emissions?

A. 2047

B. 2070



C. 2057

D. 2030



General Science

25 Questions • Answer Key

Q1 General Science

From the given alternatives, which part of the flower finally changes into a fruit in the flowering plant?

- A. Flower
- B. Seed
- C. Ovule
- D. Ovary



Q2 General Science

If the speed of sound in air is 344 m/s, what is the minimum distance required for an observer to hear a distinct echo?

- A. 17.2 m
- B. 34.4 m
- C. 344 m
- D. 0.1 m



Q3 General Science

Which of the following is NOT the use of bleaching powder?

- A. as an oxidising agent in many chemical industries
- B. for bleaching cotton and linen in the textile industry
- C. for removing permanent hardness of water
- D. to make drinking water free from germs



Q4 General Science

An increase of molecular mass in any homologous series indicates:

- A. increase melting point and decrease boiling point
- B. decrease melting point and increases boiling point
- C. decrease melting and boiling points
- D. increase melting and boiling points



Q5 General Science

In liquids, a small fraction of particles at the surface, having higher kinetic energy, which is able to break away from the forces of attraction of other particles, will ultimately get converted into which state?

- A. Deposition
- B. Sublimation
- C. Solid
- D. Vapor



Q6 General Science

Which of the following statements correctly distinguishes a compound from a solution?

- A. A compound has a variable composition, while a solution has a fixed composition.
- B. A compound has a fixed composition and properties distinct from its constituent elements, unlike a solution.
- C. A compound can be separated into its components by physical methods, while a solution cannot.
- D. Both compound and solution are always homogeneous and chemically bonded.



Q7 General Science

The bad taste or smell from the leftover food is caused due to:

- A. the oxidation of sugar
- B. the oxidation of proteins
- C. the oxidation of fats and oil
- D. the oxidation of carbohydrates



Q8 General Science

Which of the following metals forms a protective oxide layer on its surface when exposed to air, preventing further corrosion?

- A. Aluminium
- B. Magnesium
- C. Calcium
- D. Sodium



Q9 General Science

A ball is thrown vertically upwards at a speed of 2 m/s. What will be the maximum height attained and velocity of the body at the highest point, respectively, of the ball? (Take $g = 10 \text{ m/s}^2$)

- A. 5 m and 2 m/s
- B. 0.2 m and 0 m/s ✓
- C. 5 m and 0 m/s
- D. 0.2 m and 2 m/s

Q10 General Science

Which of the following particles contribute to the mass number?

- A. Electrons only
- B. Protons only
- C. Electrons and Protons
- D. Protons and Neutrons ✓

Q11 General Science

Carbon forms a very large number of compounds due to two unique properties. Which of the following correctly identifies these properties?

- A. Allotropy and isomerism
- B. Good conductivity and sonorous nature
- C. Catenation and tetravalency ✓
- D. High melting point and ductility

Q12 General Science

Which of the following is correct if the egg is NOT fertilised with the sperm?

- A. Uterus lining is unaffected
- B. Uterus lining becomes thick and spongy
- C. Uterus lining becomes thin
- D. Uterus lining slowly breaks, sheds as blood and mucous ✓

Q13 General Science

Budding in Hydra is best classified as:

- A. fragmentation
- B. fission
- C. sexual reproduction
- D. asexual reproduction ✓

Q14 General Science

Which of the following lenses can be used to correct the eye defect myopia?

- A. Convex lens
- B. Plano-convex lens
- C. Cylindrical lens
- D. Concave lens ✓

Q15 General Science

In uniform circular motion, which of the following physical quantities remains constant?

- A. Acceleration
- B. Centripetal force
- C. Velocity
- D. Speed ✓

Q16 General Science

Which type of epithelial tissue is found lining the kidney tubules?

- A. Cuboidal Epithelium ✓
- B. Glandular Epithelium
- C. Skeletal Epithelium
- D. Columnar Epithelium

Q17 General Science

A car starts from rest is accelerated to a velocity of 60 km/hr in 5 minutes. What is the acceleration of the car?

- A. 12 m/s²
- B. 1 m/s²
- C. 0.055 m/s² ✓
- D. 0.025 m/s²

Q18 General Science

According to the sign convention for lenses, all distances measured in the direction of incident light are taken as:

- A. zero
- B. depends on the type of lens
- C. negative
- D. positive ✓



Q19 General Science

Through which of the following ways can scientists incorporate desirable characters into crop varieties?

A. Hybridisation



B. Weed control

C. Fertilisers

D. Irrigation

Q20 General Science

Match the following animal tissues with their correct features.

a. Squamous Epithelium	i. Cells are thin and flat and form a delicate lining of the oesophagus
b. Stratified Squamous Epithelium	ii. It forms the inner lining of the respiratory tract
c. Cuboidal Epithelium	iii. It forms the lining of kidney tubules and ducts of salivary glands
d. Ciliated Columnar Epithelium	iv. Cells are arranged in many layers, as in skin

A. a i, b iv, c iii, d ii



B. a iv, b i, c iii, d ii

C. a i, b iii, c ii, d iv

D. a iv, b i, c ii, d iii

Q24 General Science

A ball of mass 3 kg is placed on a shelf 2 m above the ground. The gravitational potential energy of the ball is (take $g = 10 \text{ m/s}^2$):

A. 300 J

B. 6 J

C. 60 J



D. 30 J

Q21 General Science

Which material is generally used for making resistance wires because it has high resistance and high melting point?

A. Copper

B. Aluminium

C. Silver

D. Nichrome

**Q22 General Science**

An electric iron of resistance 15Ω is connected to 220 V supply. How much heat will be produced in one minute?

A. 500 kJ

B. 194 kJ



C. 1.94 kJ

D. 200 kJ

Q23 General Science

In poultry farming, what are the primary purposes for developing improved breeds?

A. Only manure production

B. Egg and meat production



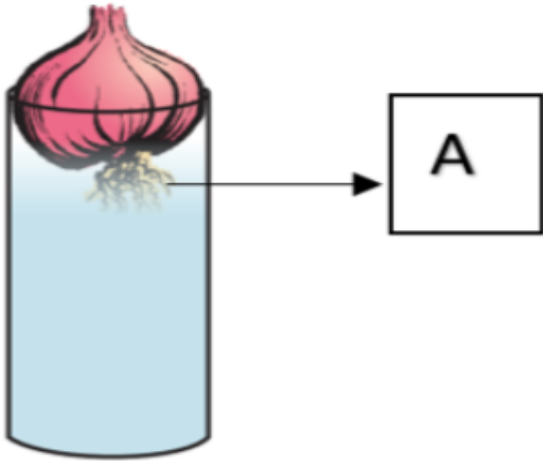
C. Decoration and sports

D. Wool and milk production



Q25 General Science

Study the experimental set up containing a water filled jar and an onion with growing roots set vertically up. Which type of tissue is present in the portion A of roots tips?



A. Meristematic tissue



B. Collenchyma

C. Sclerenchyma

D. Parenchyma

Mathematics

25 Questions • Answer Key

Q26 Mathematics

If 20% of a number is added to 78, then the result is the same number. 70% of the same number is:

A. 68.25



B. 98.25

C. 78.25

D. 88.25

Q27 Mathematics

One pipe can fill a tank in 2 minutes, while another pipe can empty the completely filled tank in 4 minutes. If both the pipes are opened together when the tank is empty, how many minutes will it take to fill one-fourth of the tank?

A. 1



B. 2

C. 4

D. 3

Q28 Mathematics

Which of the given values can x NOT take without changing the mode in the following data set?

{1, 2, 3, 3, 7, 8, 9, 3, 11, x, 17, 11, 13}

A. 11



B. 2

C. 13

D. 3

Q29 Mathematics

A son's present age is two-fifths of the age of his father. After 8 years from now, his age will be one-half of the age of his father. How old (in years) is the father at present?

A. 44

B. 45

C. 40



D. 42



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Q30 Mathematics

Aarti, Anil and Naveen started a business in partnership, investing in the ratio of 17:6:17, respectively. At the end of the year, they earned a profit of ₹78,600, which is 20% of their total investment. How much did Anil invest (in ₹)?

A. 58,788

B. 58,950



C. 58,880

D. 58,838

Q31 Mathematics

If $8x^2 + 2y^2 + 18z^2 - 4xy - 6yz - 12zx = 0$, then find $x : y : z$.

A. 2 : 3 : 5

B. 3 : 4 : 5

C. 7 : 6 : 4

D. 3 : 6 : 2

**Q32 Mathematics**

If three numbers are in the ratio 3 : 5 : 7 and their total sum is 510, what is the greatest number that can exactly divide all three numbers?

A. 32

B. 35

C. 33

D. 34

**Q33 Mathematics**

A cricketer has an average of 62 runs over 5 innings. If he scores 296 runs in the 6th inning, by how many runs does his average score increase?

A. 39



B. 37

C. 30

D. 36

Q34 Mathematics

The income of Raman is ₹43,500. He saves 17% of his income. If his income increases by 18% and expenditure increases by 20%, then his savings will:

A. increase by ₹609



B. increase by ₹606

C. decrease by ₹608

D. decrease by ₹604

Q35 Mathematics

The curved surface area of a cylinder of height 12 cm is 602.88 cm^2 . If the radius of the cylinder is doubled and its height is increased by 25%, then find the ratio between the original volume to the new volume of the cylinder.

(Use $\pi = 3.14$)

A. 2 : 3

B. 3 : 7

C. 1 : 5



D. 4 : 9

Q36 Mathematics

Prakhar and Riya together invested ₹35,600 in a business. At the end of the year, out of a total profit of ₹5,000, Prakhar's share was ₹2,300. What was Prakhar's investment?

A. ₹16,376



B. ₹16,390

C. ₹16,675

D. ₹16,235

Q37 Mathematics

In $\triangle ABC$, $BD \perp AC$ at D and $\angle DBC = 14^\circ$. E is a point on BC such that $\angle CAE = 75^\circ$. What is the measure of $\angle AEB$?

A. 137°

B. 151°



C. 136°

D. 166°

Q38 Mathematics

The sum of two numbers is 45 and their difference is 13. Find the smaller number.

A. 12

B. 16



C. 15

D. 13



Q39 Mathematics

A shopkeeper marks his goods at $X\%$ above the cost price and sells them at a discount of 35% . If he makes a profit of 69% , find the value of X .

- A. 161
- B. 162
- C. 159
- D. 160

**Q40 Mathematics**

Two banks, A and B, offered loans at 3.5% and 7% per annum, respectively. Mahesh borrowed an amount of ₹4,60,000 from each bank. Find the positive difference (in ₹) between the amounts of simple interest paid to the two banks by Mahesh after 2 years.

- A. 33,700
- B. 33,200
- C. 31,700
- D. 32,200

**Q41 Mathematics**

Rizwan buys 3 watches, all with the same price, for a total of ₹4,800. He sells the first at a profit of ₹200, the second at a loss of ₹100, and the third at a profit of ₹150. What is the overall profit or loss percentage? (Round off to two decimal places)

- A. 4.31% loss
- B. 4.31% profit
- C. 5.21% profit
- D. 5.21% loss

**Q42 Mathematics**

A woman travelled at a speed of 20 m/min for 80 min, and at a speed of 56 m/min for 64 min. Her average speed (in m/min) is:

- A. 29
- B. 36
- C. 42
- D. 40

**Q43 Mathematics**

The length, breadth, and height of a rectangular box are in the ratio $8 : 7 : 5$. If the volume of the box is 2240 cm^3 , find the total surface area (in cm^2 , round off to the nearest tens) of the box.

- A. 1140
- B. 960
- C. 1050
- D. 1250

**Q44 Mathematics**

A person's salary is first reduced by 30% and then increased by 40% . What is the overall percentage decrease in his salary?

- A. 3%
- B. 2%
- C. 1%
- D. 5%

**Q45 Mathematics**

Two trains, 259 m and 231 m in length, are running in opposite directions. The first runs at the rate of 55 km/hr and the second at the rate of 71 km/hr. How long will they take to cross each other?

- A. 16 seconds
- B. 11 seconds
- C. 17 seconds
- D. 14 seconds

**Q46 Mathematics**

If an item marked at ₹4,820 is sold for ₹4,338, then what is the discount percentage?

- A. 8%
- B. 11%
- C. 9%
- D. 10%



Q47 Mathematics

The value of $\frac{5}{14} \times \frac{14}{\frac{7}{5} \div \frac{7}{11} \text{ of } 2\frac{1}{5}}$ is:

A. $\frac{5}{14}$

B. $\frac{1}{5}$

C. 1

D. 5

**Q48 Mathematics**

What is the value of x in the following equation?

$$x \div 0.45 = 2660$$

A. 1195

B. 1179

C. 1971

D. 1197

**Q49 Mathematics**

Aditya can do $\frac{1}{6}$ th of a piece of work in 5 days and Bhagawan can do $\frac{1}{5}$ th of the same work in 11 days.

Find the number of days taken to complete the work if both work together.

(Rounded off to one decimal place)

A. 18.9

B. 19.4

C. 23.1

D. 15.4

**Q50 Mathematics**

A building casts a shadow of length 46 m, when the angle of elevation of the sun is 60° .

Find the height of the building. (Use $\sqrt{3} = 1.7$)

A. 66.4 m

B. 78.2 m

C. 56.2 m

D. 82.4 m



Q51 General Intelligence & Reasoning

Seven boxes D, E, F, U, V, W and X are kept one over the other but not necessarily in the same order. D is kept immediately above V. W is kept immediately above F. Only U is kept above E. Only one box is kept between U and D. W is not kept at third position from the bottom. How many boxes are kept between X and U?

- A. Two
- B. Four
- C. One
- D. Three

**Q52** General Intelligence & Reasoning

In a certain code language,
 $A \pm B$ means 'A is the wife of B',
 $A * B$ means 'A is the son of B',
 $A \text{ ₹ } B$ means 'A is the father of B',
 and $A \# B$ means 'A is the sister of B'.

How is D related to O if ' $D \# R * A \pm C \text{ ₹ } O$ '?

- A. Wife
- B. Sister
- C. Mother
- D. Daughter

**Q53** General Intelligence & Reasoning

IB 15 is related to NF 12 in a certain way. In the same way, OH 20 is related to TL 17. To which of the given options is RK 26 related, following the same logic?

- A. UN 24
- B. WO 23
- C. WQ 24
- D. VN 23

**Q54** General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- A. VRN
- B. UQN
- C. TPL
- D. ROJ

**Q55** General Intelligence & Reasoning

F, G, H, I, M, N, and O are sitting around a circular table, facing the centre of the table. Only two people sit between F and G, when counted from the right of F. Only two people sit between G and M, when counted from the right of G. Only three people sit between F and N, when counted from the right of F. H sits to the immediate left of I. Who sits third to the left of O?

- A. F
- B. H
- C. G
- D. I

**Q56** General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All kites are banks.

No pencils are kites.

Conclusions:

(I) Some banks are not pencils.

(II) All banks are kites.

- A. Only conclusion (I) follows.
- B. Only conclusion (II) follows.
- C. Both conclusions (I) and (II) follow.
- D. Neither conclusion (I) nor (II) follows.

**Q57** General Intelligence & Reasoning

Refer to the number and symbol series given below and answer the question that follows. Counting to be done from left to right only.

(NOTE: All numbers are single-digit numbers only.)

(Left) # 9 & 5 1 © * * * @ # & 7 & # \$ 8 & 3 1 @ € (Right)

How many such symbols are there each of which is immediately preceded by a number and also immediately followed by a number?

- A. 2
- B. 1
- C. 3
- D. 4



Q58 General Intelligence & Reasoning

In a certain code language, 'LEASK' is coded as '76432' and 'KASEY' is coded as '46837'. What is the code for 'L' in the given code language?

A. 3

B. 4

C. 7

D. 2

**Q59 General Intelligence & Reasoning**

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(11, 110, 10)

(8, 64, 8)

A. (9, 72, 9)

B. (10, 80, 9)

C. (12, 120, 10)



D. (7, 56, 7)

Q60 General Intelligence & Reasoning

A, B, C, D, W, X and Y are sitting in a straight line facing north. Only three people sit to the left of D. Only A sits to the right of C. Only three people sit between C and B. X sits at some place to the left of Y but at some place to the right of W. How many people sit between W and Y?

A. Two

B. One

C. Three



D. Four

Q61 General Intelligence & Reasoning

If + means -, - means x, x means ÷, ÷ means +, then what will come in place of the question mark (?) in the following equation?

$$23 - 15 \div 246 + 318 \times 6 = ?$$

A. 562

B. 554

C. 538



D. 546

Q62 General Intelligence & Reasoning

What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$25 \times 5 - 7 \div 8 + 10 = ?$$

A. 49

B. 50

C. 53

D. 51

**Q63 General Intelligence & Reasoning**

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All golds are hens.

No hen is a cow.

Conclusions:

(I) No gold is a cow.

(II) Some cows are hens.

A. Neither conclusion (I) nor (II) follows.

B. Both conclusions (I) and (II) follow.

C. Only conclusion (II) follows.

D. Only conclusion (I) follows.

**Q64 General Intelligence & Reasoning**

Town X is to the west of Town Y. Town Z is to the north of Town Y. Town W is to the west of Town Z. Town V is to the south of Town W. Town X is to the north-west of Town V. What is the position of Town X with respect to Town W?

A. North-east

B. North-west

C. South-east

D. South-west



Q65 General Intelligence & Reasoning

Mr. Z starts from Point A and drives 12 km towards the East. He then takes a right turn, drives 17 km, then turns right and drives 32 km. He then takes a right turn and drives 7 km. He then taken a right turn, drives 10 km, then turns left and drives 4 km. He takes a final right turn, drives 10 km, and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only, unless specified.)

- A. 6 km to the South
- B. 7 km to the South
- C. 7 km to the North
- D. 6 km to the North

**Q66 General Intelligence & Reasoning**

Refer to the given series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 4 8 7 4 1 2 6 9 5 3 1 4 (Right)

How many such even digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an odd digit?

- A. Three
- B. One
- C. Two
- D. Four

**Q67 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series, based on the English alphabetical order?

RUY PSW NQU LOS ?

- A. JNR
- B. JMR
- C. JNQ
- D. JMQ

**Q68 General Intelligence & Reasoning**

What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$34 - 7 \div 6 + 270 \times 9 = ?$$

- A. 48
- B. 46
- C. 44
- D. 42

**Q69 General Intelligence & Reasoning**

A, B, C, D, E and F are sitting around a circular table facing the centre. B sits second to the right of A. D sits second to the left of E. C is on the immediate right of B. Who is sitting on the immediate right of F?

- A. D
- B. C
- C. E
- D. B

**Q70 General Intelligence & Reasoning**

Deepali ranked 9th from the top and 43rd from the bottom in her class. How many students are there in the class?

- A. 41
- B. 21
- C. 51
- D. 53

**Q71 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

110 109 111 108 112 107 ?

- A. 117
- B. 113
- C. 119
- D. 115

**Q72 General Intelligence & Reasoning**

Select the pair that follows the same pattern as the one followed by the two pairs given below. Both pairs follow the same pattern.

OPM-KLI
YZW-UVS

- A. BBX-WXU
- B. BCZ-WYU
- C. BBX-XYV
- D. BCZ-XYV



Q73 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

HDP 1, JEM -2, LFI 4, NGG -8, ?

A. OPP 12

B. HJP 14

C. PPO 11

D. PHD 16

**Q74 General Intelligence & Reasoning**

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. AFG



B. GKM

C. WAC

D. TXZ

Q75 General Intelligence & Reasoning

Refer to the given series and answer the question that follows. All numbers are single digit numbers only. Counting to be done from left to right.

(Left) 6 9 7 3 6 9 8 4 3 8 5 4 5 2 8 6 7 2 8 6 2 6 9 5 1 9 1
(Right)

How many such even numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

A. 3



B. 4

C. 5

D. 2

Q76 General Intelligence & Reasoning

GB 16 is related to KE 13 in a certain way. In the same way, MH 25 is related to QK 22. To which of the given options is SN 28 related, following the same logic?

A. YQ 26

B. WP 25

C. WQ 25



D. XP 26

Q77 General Intelligence & Reasoning

Refer to the number series given below and answer the question that follows. Counting to be done from left to right only.

(NOTE: All numbers are single-digit numbers only.)

(Left) 1 3 9 6 7 7 7 9 4 4 1 1 5 9 6 5 3 5 9 1 4 3 3 3 3 3 3
(Right)

How many such even numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

A. 2

B. 1



C. 0

D. 3

Q78 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

66 56 46 36 26 ?

A. 14

B. 15

C. 13

D. 16

**Q79 General Intelligence & Reasoning**

In a certain code language, 'the dog barks' is coded as 'av ds tw' and 'dog can run' is coded as 'rd te av'. How is 'dog' coded in the given language?

A. te

B. av



C. ds

D. tw

Q80 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

71 75 83 95 111 ?

A. 131



B. 151

C. 121

D. 141



Q81 General Awareness

As announced in May 2025, in which of the following states of India, will the first Artificial Intelligence Special Economic Zone be set up?

- A. Gujarat
- B. Chhattisgarh ✓
- C. Haryana
- D. Telangana

Q82 General Awareness

Which traditional Islamic purpose aligns with the Waqf (Amendment) Act's 2025 focus on widows' and orphans' welfare?

- A. Madarsa development
- B. Waqf-alal-aulad principle ✓
- C. Nikah registration
- D. Zakat donation

Q83 General Awareness

'Expanding Quality Higher Education through States and State Public Universities' is a report released in February 2025 by:

- A. IIT Bombay
- B. Ministry of Education
- C. University Grants Commission
- D. NITI Aayog ✓

Q84 General Awareness

Which gymnast was named Sportswoman of the Year for the fourth time at the Laureus Awards?

- A. Sifan Hassan
- B. Faith Kipyegon
- C. Rebeca Andrade
- D. Simone Biles ✓

Q85 General Awareness

Which of the following banks revived its special Fixed Deposit (FD) scheme, known as 'Amrit Vrishti,' with a 444-day tenure, effective from 15 April 2025?

- A. Bank of Baroda
- B. State Bank of India ✓
- C. Canara Bank
- D. Punjab National Bank

Q86 General Awareness

An all-women team from the Indian Army, Navy, and Air Force has successfully returned from the country's first-ever international open-sea sailing expedition to Seychelles in June 2025. What is the name of the indigenously-built Indian Armed Services Vessel used for this Sailing Expedition?

- A. Durga
- B. Triveni ✓
- C. Ganga
- D. Bhagirathi

Q87 General Awareness

When was the Union Government of India approved the establishment of the Eighth Pay Commission?

- A. March 2025
- B. April 2025
- C. January 2025 ✓
- D. February 2025

Q88 General Awareness

Where was the Fit India Carnival 2025 held?

- A. India Gate, New Delhi
- B. Jawaharlal Nehru Stadium, New Delhi ✓
- C. Red Fort, New Delhi
- D. Indira Gandhi Indoor Stadium, New Delhi

Q89 General Awareness

Which of the following two countries will co-host the ICC Men's T20 World Cup 2026?

- A. India and UAE
- B. Sri Lanka and Pakistan
- C. India and Bangladesh
- D. India and Sri Lanka ✓

Q90 General Awareness

What rank did India secure in UNICEF's 'The State of the World's Children 2024' report, spotlighting the severe climate risks facing its children?

- A. 32nd
- B. 26th ✓
- C. 11th
- D. 54th



Q91 General Awareness

Who set a new national record in the men's 10,000 metres at the Ten 2025 athletics meet held in San Juan Capistrano, USA?

A. Avinash Sable

B. Kartik Kumar

C. Gulveer Singh



D. Gopi T

Q92 General Awareness

Which award recognised Kelly Slater for his lifelong contributions to sport in April 2025?

A. Laureus World Sportsman

B. ESPN Lifetime Honour

C. Laureus Lifetime Achievement Award



D. Olympic Order

Q93 General Awareness

The joint maritime drill between the Indian Navy and the Royal Navy that began on 05 October 2025 along India's western seaboard was known as ____.

A. ZAPAD-25

B. Operation Abhyaas-25

C. KONKAN-25



D. Yudh Abhyas-25

Q94 General Awareness

Which authority introduced updated rules for biological resource regulation in India in 2025?

A. National Environmental Council

B. Central Pollution Control Board

C. National Biodiversity Authority



D. International Eco Research Forum

Q95 General Awareness

In which state was the Rajiv Gandhi Van Samvardhan Yojana launched in June 2025?

A. Himachal Pradesh



B. Punjab

C. Haryana

D. Uttarakhand

Q96 General Awareness

In January 2025, which of the following states signed an MoU with State Bank of India and Union bank of India to offer zero-premium insurance to government employees?

A. Maharashtra

B. Assam



C. Uttar Pradesh

D. Gujarat

Q97 General Awareness

In the short duration hot test of the semi-cryogenic engine conducted on 24 April 2025 by the Indian Space Research Organisation (ISRO), to validate the engine start-up sequence, the Engine Power Head Test Article was subjected to a hot test for a duration of ____.

A. 6.5 seconds

B. 3.5 seconds



C. 4.5 seconds

D. 5.5 seconds

Q98 General Awareness

In which of the following years did the Government of India launch the National Critical Mineral Mission?

A. 2023

B. 2021

C. 2025



D. 2017

Q99 General Awareness

Which Bollywood actor announced his comeback with the film Duniyadari in 2025?

A. Sanjay Dutt

B. Mithun Chakraborty

C. Neeraj Shah

D. Govinda

**Q100 General Awareness**

Where will the Billie Jean King Cup Finals be hosted from 2025–2027?

A. Beijing, China

B. Tokyo, Japan

C. Shenzhen, China



D. Seoul, South Korea



General Science

25 Questions • Answer Key

Q1 General Science

The Law of Conservation of Mass was given by:

- A. Joseph Proust
- B. John Dalton
- C. Antoine Lavoisier
- D. Ernest Rutherford



Q2 General Science

Which of the following correctly shows the relationship between magnification (M), the object distances (u) and image- distance (v)?

- A. Magnification = u/v
- B. Magnification = v/u
- C. Magnification = $v \times u$
- D. Magnification = $u + v$



Q3 General Science

Which of the following statements regarding the need for macronutrients in plants is correct?

- A. Macronutrients are harmful to plants if absorbed.
- B. Macronutrients are required by plants in large quantities.
- C. Macronutrients are needed only during flowering.
- D. Macronutrients are not required by plants at all.



Q4 General Science

Which of the following is the correct symbol for the element lead?

- A. Lb
- B. Le
- C. Ld
- D. Pb



Q5 General Science

Which of the following is an application of ultrasound in industry?

- A. Making objects lighter in weight
- B. Detecting cracks in metal blocks
- C. Used in refrigerators for cooling
- D. Increasing the speed of sound in solids



Q6 General Science

Why did Mendel use true-breeding plants as parents in his crosses?

- A. To get large number of plants quickly
- B. To grow them in similar soil condition
- C. To study environmental effects on growth of plants
- D. To study inheritance patterns



Q7 General Science

A boy walks from one end A to the other end B of a straight 1000 m road in 2 minutes and then turns around and walks 400 m back to point C in another 2 minutes. What will be the average velocity (in m/s) of the boy in going from point A to point C?

- A. 15
- B. 25
- C. 2.5
- D. 150



Q8 General Science

Which of the following is a part of the central nervous system in human?

- A. Spinal nerves
- B. Pharynx
- C. Cranial nerves
- D. Spinal cord



Q9 General Science

The process of fission in an amoeba results in the formation of _____.

- A. four genetically different daughter cells
- B. a small daughter cell and a large mother cell that are genetically different
- C. a large number of small, genetically identical daughter cells
- D. two similar sized, genetically identical daughter cells



Q10 General Science

Which of the following is NOT correct for uniform velocity?

- A. The v - t graph is a horizontal line.
- B. Velocity is constant and acceleration is zero.
- C. The area under the v - t graph gives acceleration. ✓
- D. The slope of the line in v - t graph is zero.

Q11 General Science

Which metal lies between magnesium and iron in the activity series?

- A. Zinc ✓
- B. Silver
- C. Copper
- D. Potassium

Q12 General Science

The refractive index of the second medium with respect to the first depends on the:

- A. temperature of the surroundings only
- B. colour (wavelength) of light used and the pair of media ✓
- C. intensity of the incident light
- D. shape of the boundary surface only

Q13 General Science

If 100 J of work is required to transfer 5 C of charge between two points, the potential difference between the points is:

- A. 20 V ✓
- B. 25 V
- C. 50 V
- D. 10 V

Q14 General Science

What is anode mud?

- A. Insoluble impurities settle at anode in electrolytic refining ✓
- B. Soluble impurities in solution in electrolytic refining
- C. A solution of soil and water
- D. Insoluble impurities settle at cathode in electrolytic refining

Q15 General Science

According to Ohm's law, the ratio of potential difference (V) across a conductor to the current (I) through it is constant, provided _____.

- A. temperature remains constant ✓
- B. current is very high
- C. voltage is zero
- D. resistance changes

Q16 General Science

Three solutions A, B, and C have pH values of 3, 7, and 12, respectively. Which of the following statements is correct?

- A. Solution C is neutral while solution A is basic.
- B. Solution A is strongly acidic, and solution C is strongly basic. ✓
- C. Solution A and C both are neutral.
- D. Solution B is basic and solution C is acidic.

Q17 General Science

The phenomenon of spreading out and mixing of a substance with another substance due to the motion of its particles is called which of the following?

- A. Diffusion ✓
- B. Evaporation
- C. Sublimation
- D. Condensation

Q18 General Science

Which of the following methods is commonly used to prevent rancidity in packaged food items?

- A. Adding acids to the food
- B. Heating the food before packing
- C. Flushing with nitrogen gas before sealing ✓
- D. Storing food in oxygen-rich containers

Q19 General Science

Which of the following statements is true about potential energy?

- A. It is always zero at the ground level.
- B. It depends only on mass.
- C. It cannot be converted into kinetic energy.
- D. It can be negative depending on the reference point. ✓



Q20 General Science

Which of the following living organisms have bones that help in body movements?

- A. Earthworm
- B. Snake
- C. Snail
- D. Cockroach

**Q21 General Science**

Which of the following methods of reproduction is found in Plasmodium?

- A. Budding
- B. Layering
- C. Grafting
- D. Multiple fission

**Q22 General Science**

Which of the following correctly compares the cell wall and cell membrane in plant and animal cells?

- A. Both plant and animal cells have a cell wall but only plant cells have a cell membrane.
- B. Neither plant nor animal cells have a cell wall, but both have a cell membrane.
- C. Plant cells have both a rigid cell wall and a cell membrane, while animal cells only have a flexible cell membrane.
- D. Animal cells have both a rigid cell wall and a cell membrane, while plant cells only have a flexible cell membrane.

**Q23 General Science**

Which cell organelle is responsible for packaging and dispatching materials within or outside the cell?

- A. Ribosome
- B. Mitochondria
- C. Golgi apparatus
- D. Nucleus

**Q24 General Science**

Which of the following is an example of a decomposition reaction?

- A. $\text{CaCO}_3 \rightarrow \text{CaO} + \text{CO}_2$
- B. $\text{Na} + \text{Cl}_2 \rightarrow \text{NaCl}$
- C. $\text{Mg} + \text{O}_2 \rightarrow \text{MgO}$
- D. $\text{H}_2 + \text{O}_2 \rightarrow \text{H}_2\text{O}$

**Q25 General Science**

The acceleration due to gravity on the surface of the Earth is given by:

- A. $g = \text{GM}/\text{R}^2$
- B. $g = \text{GM}/\text{R}$
- C. $g = \text{R}^2/\text{GM}$
- D. $g = \text{GM}$

**Mathematics**

25 Questions • Answer Key

Q26 Mathematics

4 men can do a piece of work in 27 days. How many men will do it in 18 days?

- A. 9
- B. 8
- C. 6
- D. 7

**Q27 Mathematics**

The marked price of a television set is ₹35,000. A shopkeeper allows a discount of 22% and gets a profit of 75%. What is the cost price of the television set?

- A. ₹15,600
- B. ₹15,662
- C. ₹15,570
- D. ₹15,714



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Q28 Mathematics

The price of fuel decreases by 50%, 35% and 50% in three successive months, but increases by 45% in the fourth month. What is the percentage increase/decrease in the price of fuel in the fourth month as compared to its original price? (Round off the answer to two decimal places)

- A. Increases by 80.11%
- B. Decreases by 76.44% ✓
- C. Increases by 81.75%
- D. Decreases by 74.19%

Q29 Mathematics

What is the average speed of a bus which covers half the distance at a speed of 72 km/hr and the other half at a speed of 90 km/hr?

- A. 80 km/hr ✓
- B. 84 km/hr
- C. 83 km/hr
- D. 77 km/hr

Q30 Mathematics

The sides of a triangle are 37 cm, 44 cm and 15 cm. What is the length of its altitude corresponding to the side with the length of 44 cm?

- A. 16 cm
- B. 45 cm
- C. 12 cm ✓
- D. 33 cm

Q31 Mathematics

Simplify: $57 - [82 - (72 \div 3 - (17 - 40 \div 5) \div 9)]$

- A. -2 ✓
- B. 3
- C. -9
- D. -8

Q32 Mathematics

The average age of 42 students in a class is 14 years. If the age of the teacher is also included, the average age of the whole group becomes 15 years. The age (in years) of the teacher is:

- A. 65
- B. 59
- C. 57 ✓
- D. 60

Q33 Mathematics

A shopkeeper declares the given three schemes of discounts. Which of the following schemes is most beneficial to a customer?

- A. Buy 5 items and get 23 of the same items free
- B. Two successive discounts of 14% and 37%
- C. Two successive equal discounts of 39%

- A. Only C
- B. Both A and C
- C. Only A ✓
- D. Only B

Q34 Mathematics

A, B and C can complete a piece of work in 3, 4 and 6 days, respectively. How long (in days) will they take to complete thrice the same work, working together?

- A. 12
- B. 5
- C. 4 ✓
- D. 8

Q35 Mathematics

The greatest number that will divide 45, 95 and 185, so as to leave the same remainder in each case is:

- A. 95
- B. 10 ✓
- C. 185
- D. 45

Q36 Mathematics

If 20% of a number is added to 96, then the result is the same number. 65% of the same number is:

- A. 78 ✓
- B. 98
- C. 108
- D. 88



Q37 Mathematics

'A' buys an air conditioner for ₹1,50,000 and sells it to 'B' at a loss of 30%. 'B' then sells it to 'C' at a profit of 5% on his cost price. What is the cost price (in ₹) of the air conditioner for 'C'?

A. 1,10,250



B. 2,10,350

C. 75,250

D. 1,25,480

Q38 Mathematics

The amount on a sum of ₹5,200 at 10% per annum compound interest, compounded annually, in 2 years will be:

A. ₹5,552

B. ₹6,292



C. ₹5,569

D. ₹5,991

Q39 Mathematics

The prices of articles of types P, Q and R are ₹280, ₹180 and ₹100, respectively. Rajiv purchases these articles in the ratio 3 : 4 : 3, spending a total of ₹27,900. How many articles of type Q did he buy?

A. 60



B. 84

C. 72

D. 48

Q40 Mathematics

Rahul's present age is two-seventh of the present age of his grandmother. After 16 years, his age will be two-fifth of the age of his grandmother at that time. Find the present age of his grandmother.

A. 97 years

B. 100 years

C. 84 years



D. 90 years

Q41 Mathematics

A cricketer has an average of 68 runs over 9 innings. If he scores 130 runs in the 10th inning, by how many runs (rounded off to the nearest whole number) does his average score increase?

A. 6



B. 15

C. 7

D. 10

Q42 Mathematics

In a presentation competition, Group Leo can complete a task in 9 days, while Group Tiger can finish it in 18 days if they work alone. If both groups work together, in how many days will they complete the task?

A. 6 days



B. 7 days

C. 10 days

D. 5 days

Q43 Mathematics

From a point 40 m away from the foot of a tower, the angle of elevation of the top of the tower is 45°. Find the height of the tower.

A. 48 m

B. 40 m



C. 45 m

D. 20 m

Q44 Mathematics

In 540 litres solution of acid and water, the ratio of acid and water is 2 : 10. How many litres of acid must be added to it to get the solution in which the ratio of acid and water is 9 : 5?

A. 721

B. 720



C. 719

D. 718



Q45 Mathematics

The sum of the digits of a two-digit number is 5. If 9 is added to this number, the digits interchange their places. Find the number.

A. 14

B. 41

C. 32

D. 23

**Q46 Mathematics**

The ratio of the curved surface area to the total surface area of a solid cylinder is 3 : 5. If its volume is $12,936 \text{ cm}^3$, what is its height? (Use $\pi = \frac{22}{7}$)

A. 21 cm



B. 28 cm

C. 18 cm

D. 14 cm

Q47 Mathematics

Simplify $(x-3)^2 + (x+3)^2$.

A. $2 \times 2 - 18$

B. $2 \times 2 + 18$



C. $3 \times 2 + 18$

D. $2 \times 2 + 16$

Q48 Mathematics

$\frac{1}{20}$ is what percentage of $\frac{11}{30}$? (Rounded off to two decimal places.)

A. 13.64%



B. 27.27%

C. 23.64%

D. 28.64%

Q49 Mathematics

A small sphere has a radius of 5 cm. A larger sphere is created by uniformly expanding the smaller sphere. The radius of the larger sphere is 15 cm. How many times greater is the surface area of the larger sphere compared to the smaller sphere?

A. 3 times

B. 15 times

C. 9 times



D. 6 times



Q50 Mathematics

Arun travels from City A to City B. If Arun drives his car at $\frac{2}{3}$ rd of his normal speed, then he reaches City B 38 minutes late.

Find the time (in minutes) that Arun would have taken to travel from City A to City B if he drove at his normal speed.

A. 76



B. 73

C. 81

D. 78

General Intelligence & Reasoning

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

88 75 62 49 36 ?

A. 27

B. 25

C. 23



D. 21

Q52 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. KO-JM

B. MQ-LO

C. OS-NR



D. IM-HK

Q53 General Intelligence & Reasoning

Shruti starts from Point A and drives 12 km towards the south. She then takes a left turn, drives 8 km, turns right and drives 4 km. She then takes a right turn and drives 12 km. She then takes a right turn and drives 10 km. She takes a final right turn, drives 4 km and stops at Point D. How far (shortest distance) and in which direction is Point D with respect to Point A? (All turns are 90-degree turns only unless specified.)

A. 6 km towards the south



B. 6 km towards the east

C. 5 km towards the north

D. 7 km towards the west

Q54 General Intelligence & Reasoning

Refer to the given number, symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) % * 7 % € % 2 # € \$ € © 9 5 6 # 9 & 6 % 7 & (Right)

How many such numbers are there, each of which is immediately preceded by a number and also immediately followed by a symbol?

A. 2

B. 3

C. 1



D. 0

Q55 General Intelligence & Reasoning

O, P, Q, R, W, X, and Y are sitting in a straight line facing the north. Only two people sit to the right of X. Only two people sit between X and Q. Only two people sit between O and P. P sits to the immediate left of X. R sits to the immediate right of Y.

Who sits at the third position from the left end of the line?

A. Y

B. O

C. W



D. P

Q56 General Intelligence & Reasoning

QP 7 is related to TO -4 in a certain way. In the same way, AL 14 is related to DK 3. To which of the given options is RX 2 related, following the same logic?

A. UV -7

B. UW -9



C. TW -9

D. TV -7



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Q57 General Intelligence & Reasoning

In a certain code language,

'A + B' means 'A is the son of B'

'A - B' means 'A is the brother of B'

'A × B' means 'A is the wife of B'

'A ÷ B' means 'A is the father of B'

Based on the above, how is D related to J if 'D × F + G - H ÷ J'?

A. Mother's brother's son's wife

B. Father's brother's son's wife

C. Father's brother's son's daughter

D. Mother's brother's son's daughter

Q58 General Intelligence & Reasoning

Vaibhav ranked 9th from the top and 17th from the bottom in his class. How many students are there in the class?

A. 22

B. 21

C. 25

D. 26

Q59 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 - Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(8, 64, 8)

(4, 16, 4)

A. (5, 125, 5)

B. (2, 8, 2)

C. (3, 9, 4)

D. (9, 81, 9)

Q60 General Intelligence & Reasoning

In a certain code language, 'technology is advancing' is coded as 'mn jk rs' and 'humanity needs technology' is coded as 'ap mn fg'. How is 'technology' coded in the given language?

A. rs

B. fg

C. jk

D. mn

Q61 General Intelligence & Reasoning

In a certain code language, 'uncle ocean elf' is coded as 'so ex rj' and 'elf yak queen' is coded as 'ku yi ex'. How is 'elf' coded in that language?

A. ku

B. so

C. ex

D. rj

Q62 General Intelligence & Reasoning

If + means -, - means ×, × means ÷, ÷ means +, then what will come in place of the question mark (?) in the following equation?

$$18 - 6 \div 228 + 46 \times 2 = ?$$

A. 326

B. 309

C. 334

D. 313

Q63 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

OPD73, RMG70, UJJ67, ?

A. XGM64

B. YHM63

C. XHN63

D. YGN64

Q64 General Intelligence & Reasoning

RVSQ is related to OSPN in a certain way based on the English alphabetical order. In the same way, ZDAY is related to WAXV. To which of the given options is SWTR related, following the same logic?

A. PTPO

B. PSPO

C. PTQO

D. PUPY



Q65 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statement(s).

Statements:

All actors are dancers.
All dancers are magicians.

Conclusions:

- (I) All magicians are actors.
(II) No dancer is an actor.

- A. Only I follows
B. Both follow
C. Neither follows
D. Only II follows

**Q66 General Intelligence & Reasoning**

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

KR37 MT45 OV53 QX61 ?

- A. SZ68
B. SY69
C. SZ69
D. SY68

**Q67 General Intelligence & Reasoning**

Each of the digits in the number 5493218 is arranged in ascending order from left to right. What will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

- A. 10
B. 8
C. 12
D. 5

**Q68 General Intelligence & Reasoning**

Refer to the given number series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 1 9 5 4 2 9 7 4 6 3 7 8 9 7 4 9 6 3 1 7 8 4 6 8 7 2 5
(Right)

How many such odd numbers are there, each of which is immediately preceded by an even number and also immediately followed by an even number?

- A. Three
B. One
C. Two
D. More than three

**Q69 General Intelligence & Reasoning**

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 5 2 1 4 7 8 6 5 2 3 9 1 (Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- A. Four
B. One
C. Three
D. Two

**Q70 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

7 9 13 19 27 37 ?

- A. 49
B. 51
C. 50
D. 52

**Q71 General Intelligence & Reasoning**

Six people, A, B, C, D, E and F, are sitting in a row, facing north. Only two people sit to the left of F. Only one person sits between D and E. F sits to the immediate left of D. A sits to the immediate right of C. B sits third to the right of A. Who sits at the extreme left end of the line?

- A. B
B. A
C. C
D. D



Q72 General Intelligence & Reasoning

Seven boxes B, C, D, I, J, K and L are kept one over the other but not necessarily in the same order. Only four boxes are kept above L. Only one box is kept above J. Only one box is kept between J and C. B is kept immediately above D. K is kept at some place below I. How many boxes are kept between I and B?

A. Four



B. Three

C. One

D. Two

Q73 General Intelligence & Reasoning

Seven people, B, C, D, I, J, K and L, are sitting around a circular table, facing the centre of the table. K sits third to the left of L. I sits to the immediate left of L. D sits to the immediate left of J. J sits second to the left of C. Who sits third to the right of B?

A. C

B. K



C. D

D. J

Q74 General Intelligence & Reasoning

Refer to the given series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 9 7 8 1 7 5 8 7 2 7 6 5 8 5 7 5 4 1 8 6 3 3 4 5 9 4 4
(Right)

How many such even numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

A. 1

B. 4

C. 2



D. 3

Q75 General Intelligence & Reasoning

Samar starts from point A and drives 58 km towards north. He then takes a right turn, drives 64 km, turns right and drives 63 km. He then takes a right turn and drives 66 km. He takes a final right turn, drives 5 km and stops at point P. How far (shortest distance) and towards which direction should he drive in order to reach point A again?

(Note: All turns are 90° turns only unless specified.)

A. 4 km to the west

B. 2 km to the east



C. 1 km to the east

D. 3 km to the west

Q76 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statement(s).

Statements:

All helmets are mats.

All helmets are bottles.

Conclusions:

(I) Some mats are bottles.

(II) All bottles are helmets.

A. Only conclusion (II) follows

B. Only conclusion (I) follows



C. Neither conclusion (I) nor (II) follows

D. Both conclusions (I) and (II) follow

Q77 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. JD-GK

B. GA-DI



C. LF-IM

D. NH-KO



Q78 General Intelligence & Reasoning

If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark '?' in the following equation?

45 A 9 B 13 C 15 D 17 = ?

A. 61

B. 64

C. 62

D. 63

Q79 General Intelligence & Reasoning

EFHL is related to AALQ in a certain way based on the English alphabetical order. In the same way, OLXF is related to KGBK. To which of the given options is CWJU related, following the same logic?

A. YRZN

B. YRNZ

C. YRTY

D. YGHU

Q80 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

312 313 303 305 295 298 ?

A. 287

B. 286

C. 288

D. 285

General Awareness

20 Questions • Answer Key

Q81 General Awareness

Under the Ministry of Commerce and Industry (via Startup India), which of the following schemes saw a government allocation of ₹211 crore into the Indian space-tech sector in 2025?

A. Credit Guarantee Scheme for Startups (CGSS)

B. Atmanirbhar Bharat Innovation Fund (ABIF)

C. Fund of Funds for Startups (FFS)

D. Startup India Seed Fund Scheme (SISFS)

Q82 General Awareness

Which institute partnered with NDMA in 2025 to develop tunnel safety guidelines?

A. IIT Delhi

B. IIT Kharagpur

C. IIT Madras

D. IIT Bombay

Q83 General Awareness

According to the Sustainable Development Goals National Indicator Framework progress report, 2025, published in June 2025, the number of waste recycling plants in India increased from 829 in 2019–20 to 3,036 in 2024–25. This improvement primarily contributes to which Sustainable Development Goal (SDG)?

A. SDG 6

B. SDG 2

C. SDG 12

D. SDG 15

Q84 General Awareness

Which of the following international organisations celebrated its 80th anniversary on June 26, 2025, marking the signing of its charter?

A. International Monetary Fund (IMF)

B. World Bank

C. NATO

D. United Nations



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Q85 General Awareness

Which of the following institutions launched a ₹5,000 crore green bond as part of its ₹30,000 crore Government Securities (G-Sec) auction in June 2025?

- A. Exim Bank of India
- B. Reserve Bank of India ✓
- C. Securities and Exchange Board of India
- D. National Bank for Agriculture and Rural Development

Q86 General Awareness

Who won the gold in the Men's Singles SL3 at the 2025 Asia Para Badminton Championship?

- A. Nitesh Kumar ✓
- B. Naveen Shivakumar
- C. Umesh Vikram Kumar
- D. Pramod Bhagat

Q87 General Awareness

What is the total number of Padma Awards given in 2025?

- A. 153
- B. 130
- C. 139 ✓
- D. 120

Q88 General Awareness

In October 2025, the Delhi government in collaboration with the Indian Institute of Technology, Kanpur, implemented which of the following techniques to combat air pollution?

- A. Cloud seeding to induce rainfall and reduce air pollution ✓
- B. Installing large-scale vertical gardens across industrial zones
- C. Using fog cannons to disperse smog particles in polluted areas
- D. Launching aerial drones to monitor and neutralise toxic gases

Q89 General Awareness

Which young swimmer matched Michael Phelps's achievement by setting three individual world records at one meet during the Canadian Trials?

- A. Sydney McLaughlin-Levrone
- B. Beatrice Chebet
- C. Summer McIntosh ✓
- D. Athing Mu-Nikolayev

Q90 General Awareness

What is the percentage of the Contingent Risk Buffer set by the Reserve Bank of India in May 2025 for FY 2024-25?

- A. 6.5%
- B. 5.0%
- C. 8.0%
- D. 7.5% ✓

Q91 General Awareness

Who among the following received the Major Dhyan Chand Khel Ratna Award in 2025?

- A. Manu Bhaker ✓
- B. Virat Kohli
- C. Saina Nehwal
- D. Neeraj Chopra

Q92 General Awareness

Who won his first major Indian Golf Union title, the IGU Southern India Junior Boys Golf Championship, played at Coimbatore Golf Club from 27 May to 30 May 2025?

- A. Gaganjeet Bhullar
- B. Shubhankar Sharma
- C. Shiv Kapur
- D. Harjai Milkha Singh ✓

Q93 General Awareness

In June 2025, which companies received the technology for the 70-ton Tank Transporter Trailer for MBT Arjun Mk-1A?

- A. Bharat Forge, Dass Hitachi Ltd, John Galt International
- B. BEML Ltd, Tata International Vehicle Applications, SDR Auto Pvt Ltd, John Galt International ✓
- C. Metaltech Motor Bodies Pvt Ltd, Goma Engineering Pvt Ltd, John Galt International
- D. Bharat Electronics Ltd, Tata Advanced Systems Ltd, John Galt International

Q94 General Awareness

As per the Transparency International report released in February 2025, what was India's rank in the Corruption Perceptions Index (CPI) 2024?

- A. 89
- B. 96 ✓
- C. 93
- D. 102



Q95 General Awareness

In November 2025, India conducted the bilateral military exercise 'AJEYA WARRIOR-25' with which of the following countries?

- A. France
- B. Russia
- C. United Kingdom ✓
- D. United States

Q96 General Awareness

Who became the Chairperson of ISRO in January 2025?

- A. S Somanath
- B. Dr. V Narayanan ✓
- C. A Sivathanu Pillai
- D. K Radhakrishnan

Q97 General Awareness

The Ministry of Heavy Industries, Government of India, introduced a programme in July 2025 to give financial support for electric trucks under _____.

- A. PM Green Transport Initiative
- B. PM E-DRIVE initiative ✓
- C. PM E-Mobility Drive
- D. PM Electric Vehicle Boost

Q98 General Awareness

What is the duration of the Iran–Russia partnership treaty, signed on 17 January 2025?

- A. 10 years
- B. 20 years ✓
- C. 25 years
- D. 15 years

Q99 General Awareness

What has the Supreme Court made mandatory for judicial service applicants in May 2025?

- A. Five years of teaching
- B. Three years of legal practice ✓
- C. Court clerk experience
- D. Law degree only

Q100 General Awareness

Which state launched new minority welfare schemes in September 2025, the Revanth Anna ka Sahara-Miskeen la Kosam, focusing on women empowerment and financial assistance?

- A. Maharashtra
- B. Gujarat
- C. Telangana ✓
- D. Kerala



General Science

25 Questions • Answer Key

Q1 General Science

What happens when we dissolve sugar in water?

- A. The particles of sugar get into the spaces between particles of water. ✓
- B. The particles of sugar and water do not mix.
- C. The particles of sugar will float on top of water.
- D. A colloidal solution is formed.

Q2 General Science

Which of the following cell organelles do NOT have their own DNA?

- A. Plastids
- B. Mitochondria
- C. Nucleus
- D. Lysosomes ✓

Q3 General Science

Which energy change is generally associated with decomposition reactions?

- A. Exothermic energy change
- B. No energy change
- C. Reversible energy change
- D. Endothermic energy change ✓

Q4 General Science

When we pour acetone (nail polish remover) on our palm, we feel cold because:

- A. it evaporates rapidly, absorbing heat from the palm ✓
- B. it releases cold vapours
- C. it blocks nerve signals on the skin
- D. it reacts with water present on the palm

Q5 General Science

Which of the following allotropes of carbon conducts electricity?

- A. Graphite ✓
- B. Charcoal
- C. Diamond
- D. Fullerene

Q6 General Science

Which of the following best describes the process of sexual maturation in humans?

- A. It is a gradual process during adolescence involving physical and hormonal changes ✓
- B. It occurs only in females and stops once menstruation begins
- C. It begins after adulthood and leads to immediate readiness for parenthood
- D. It occurs suddenly and marks the end of body growth

Q7 General Science

Which of the following characteristics is correct about magnetic field lines?

- A. They always form closed loops. ✓
- B. They always start and end at the same pole.
- C. They are open curves.
- D. They intersect each other.

Q8 General Science

Xylem is a complex permanent tissue. Which of the following is correct regarding its composition?

- A. Vessels, xylem collenchyma and xylem fibres
- B. Companion cells, tracheids and xylem fibres
- C. Tracheids, sieve cells and phloem parenchyma
- D. Tracheids, xylem parenchyma and xylem fibres ✓

Q9 General Science

Which part of the brain directly controls the movement of voluntary muscles?

- A. Medulla oblongata
- B. Sensory area
- C. Association area
- D. Motor area ✓



Q10 General Science

A car starts from rest and accelerates uniformly at 2 m/sec^2 for 5 seconds. What is the velocity at the end of 5 seconds?

A. 15 m/sec

B. 5 m/sec

C. 10 m/sec



D. 20 m/sec

Q11 General Science

Which of the following is NOT an application of ultrasound?

A. Cleaning delicate machinery parts

B. Imaging of internal organs

C. Cooking food



D. Detecting cracks in metal blocks

Q12 General Science

A metallic conductor obeys Ohm's law at room temperature. When the applied potential difference across it is increased from V to $2V$, and the temperature is kept constant, the current through the conductor:

A. Doubles because resistance is constant



B. Remains unchanged because current depends only on resistance

C. More than doubles due to increased electron drift velocity

D. Less than doubles due to heating effects

Q13 General Science

What is the function of salivary amylase present in human saliva?

A. It converts amino acids into protein.

B. It converts simple sugars into starch.

C. It converts proteins into amino acids.

D. It converts starch into simple sugars.

**Q14 General Science**

Which of the following nutrients in plants is generally supplied by soil?

A. Boron



B. Carbon

C. Hydrogen

D. Oxygen

Q15 General Science

What does the seed contain that is essential for the growth of a new plant?

A. Chlorophyll

B. Nectar

C. Embryo



D. Sepal

Q16 General Science

According to Archimedes' principle, what is the magnitude of the upward force (buoyant force)?

A. It is equal to the pressure exerted by the fluid.

B. It is equal to the volume of the fluid.

C. It is equal to the weight of the fluid displaced by the body.



D. It is equal to the weight of the immersed body.

Q17 General Science

An object is placed at the centre of curvature of a concave mirror. The image formed is:

A. Between focus and pole, diminished

B. Behind the mirror, virtual

C. At infinity, highly magnified

D. At the centre of curvature, same size

**Q18 General Science**

Which of the following is an example of basic salt?

A. Ammonium chloride

B. Sodium chloride

C. Hydrogen chloride

D. Sodium bicarbonate

**Q19 General Science**

When Newton placed a second inverted prism after the first one, the emergent beam obtained was:

A. only red light

B. white light



C. a rainbow of colours

D. only violet light



Q20 General Science

Which of the following is NOT true about an object in non-uniform motion?

- A. It has different speeds at different points
- B. The change in velocity is zero over time interval ✓
- C. It moves unequal distances in unequal time intervals
- D. Its velocity changes with time

Q21 General Science

The mechanical energy of a body can be expressed as the sum of _____.

- A. potential energy and kinetic energy ✓
- B. sound energy and light energy
- C. heat energy and light energy
- D. chemical energy and electrical energy

Q22 General Science

In some reptiles, the sex of the offspring is determined by:

- A. Presence or absence of a Y chromosome
- B. Temperature at which eggs are incubated ✓
- C. Sex chromosomes
- D. Hormonal levels in the mother

Q23 General Science

The metal which will NOT displace lead from its salt solution is:

- A. Copper ✓
- B. Magnesium
- C. Calcium
- D. Aluminium

Q24 General Science

Which property is shown by ethanol?

- A. It is basic in nature
- B. It is solid at room temperature
- C. It forms scum with hard water
- D. It has a sweet smell and is volatile ✓

Q25 General Science

Which of the following statement is correct regarding 'property of Gaseous state'?

- A. In gaseous state, intermolecular distance is very large and intermolecular attraction is very low. ✓
- B. In gaseous state, intermolecular distance is very low and intermolecular attraction is very large.
- C. In gaseous state, intermolecular distance and intermolecular attraction are very low.
- D. In gaseous state, intermolecular attraction and intermolecular distance are very large

Mathematics

25 Questions • Answer Key

Q26 Mathematics

The simplified value of $4 \times (17 \times (3^2)) \div 12 + 26 - 41$ is:

- A. 36 ✓
- B. 44
- C. 32
- D. 30

Q27 Mathematics

A, B and C can do a piece of work in 2, 20 and 20 days respectively. How long (in days) will they take to do thrice the same work, working together?

- A. 5 ✓
- B. 6
- C. 15
- D. 10

Q28 Mathematics

5 men can complete a piece of work in 16 days while 9 women can do it in 8 days. In how many days can 3 women and 2 men complete it?

- A. 24 days
- B. 13 days
- C. 15 days ✓
- D. 22 days



Q29 Mathematics

Two trains, 165 m and 195 m in length, are running in opposite directions. The first runs at the rate of 83 km/hr and the second at the rate of 79 km/hr. How long will they take to cross each other?

- A. 15 seconds
- B. 13 seconds
- C. 5 seconds
- D. 8 seconds

**Q30 Mathematics**

The average of 12 numbers is 58. The average of the first 5 numbers is 55, and the average of the next 4 numbers is 62. If the 10th number is 10 less than the 11th number and is 5 more than the 12th number, then the average of the 11th and 10th numbers is:

- A. 61
- B. 60.5
- C. 60
- D. 61.5

**Q31 Mathematics**

The average age of 40 students of a class is 18 years. If the age of the teacher is also included, the average age of the whole group becomes 19 years. The age (in years) of the teacher is:

- A. 56
- B. 59
- C. 62
- D. 58

**Q32 Mathematics**

What is the third proportional to $16x^2$ and $20xy$?

- A. $25y^2$
- B. $27y^2$
- C. $22y^2$
- D. $28y^2$

**Q33 Mathematics**

The diagonals of a rhombus are 24 cm and 7 cm. The perimeter of the rhombus is:

- A. 50 cm
- B. 48 cm
- C. 52 cm
- D. 46 cm

**Q34 Mathematics**

In $\triangle ABC$, $BD \perp AC$ at D and $\angle DBC = 42^\circ$. E is a point on BC such that $\angle CAE = 24^\circ$. What is the measure of $\angle AEB$?

- A. 72°
- B. 59°
- C. 58°
- D. 67°

**Q35 Mathematics**

The income of Raman is ₹34,000. He saves 5.5% of his income. If his income increases by 17% and expenditure increases by 50%, then his savings will:

- A. increase by ₹10,283
- B. increase by ₹10,284
- C. decrease by ₹10,285
- D. decrease by ₹10,288

**Q36 Mathematics**

In an election between two candidates, 2% of the voters did not cast their votes. Out of the polled votes, 5% were declared invalid. One candidate secured 65% of the valid votes. If the total number of voters was 25,20,000, how many valid votes did the losing candidate receive?

- A. 8,21,142
- B. 8,21,124
- C. 8,24,112
- D. 8,22,114

**Q37 Mathematics**

If the three digit number $7n4$ is divisible by 6, then find the least possible value for n.

- A. 1
- B. 3
- C. 0
- D. 2

**Q38 Mathematics**

A positive number when increased by 14, equals 176 times its reciprocal. What is the number?

- A. 14
- B. 22
- C. 12
- D. 8



Q39 Mathematics

A train travels 180 km in 3 hours. How long will it take to travel 420 km at the same speed?

A. 7 hours



B. 6 hours

C. 8 hours

D. 5 hours

Q40 Mathematics

An item is sold to C by B, and then to D by C. Both B and C earn an equal profit of 12%, and the selling price to D is ₹313.60. What is the cost price (in ₹) of the item to B?

A. 200

B. 280

C. 250



D. 240

Q41 Mathematics

The marked price of a sofa is ₹331, which is 41% above the cost price. If the profit percent is 22%, find the discount percentage. (Rounded off to two decimal places)

A. 11.23%

B. 12.02%

C. 13.48%



D. 16.1%

Q42 Mathematics

Arrange the following schemes in the ascending order of their discounts.

A. Buy 1 get 5 free

B. A single discount of 64%

C. Two successive discounts of 3% and 37%

A. B, A, C

B. C, A, B

C. C, B, A



D. A, C, B

Q43 Mathematics

Anmol and Ayushi together invested ₹41,400 in a business. At the end of the year, out of a total profit of ₹5,000, Anmol's share was ₹2,300. How much was Anmol's investment?

A. ₹20,105

B. ₹17,095

C. ₹19,044



D. ₹18,630

Q44 Mathematics

The amount on a sum of ₹6000 at 5% per annum compound interest, compounded annually, in 2 years, will be:

A. ₹6385

B. ₹6615



C. ₹5722

D. ₹7047

Q45 Mathematics

$\frac{1}{20}$ is what percentage of $\frac{2}{100}$?

A. 260%

B. 265%

C. 250%



D. 500%



Q46 Mathematics

B's age is 5 times the difference in ages of C and D. D's age is 10 years more than the age of B. If the age of C is 30 years, then the minimum age of D is _____ years.

A. 30

B. $\frac{50}{3}$

C. 35

D. $\frac{80}{3}$ ✓**Q47** Mathematics

Simplify: $\frac{9x^2 - 4y^2}{9x - 2y} \times \frac{3x}{9x + 2y}$

A. $\frac{x}{9}$

B. x

C. 3x ✓

D. $\frac{x}{3}$ **Q48** Mathematics

From the top of a 45 m high building, the angle of depression of a car on the ground is 30° . How far is the car from the base of the building? (Take $\sqrt{3} = 1.732$ and round off the answer to two decimal places.)

A. 71.94 m

B. 89.94 m

C. 81.94 m

D. 77.94 m ✓

Q49 Mathematics

Find the value of the expression $\frac{0.079^2 + 0.25^2 + 3.37^2}{0.0079^2 + 0.025^2 + 0.337^2}$.

A. 3.699

B. 100 ✓

C. 10000

D. 0.3699



Q50 Mathematics

The length, breadth and height of a cuboid are in the ratio of 8 : 5 : 3. If its diagonal length is $21\sqrt{2}$ m, then find the total surface area of the cuboid.

A. 1,388 m²B. 1,422 m² ✓C. 1,250 m²D. 1,622 m²**General Intelligence & Reasoning**

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

In a certain code language,
 A + B means 'A is the sister of B',
 A @ B means 'A is the brother of B',
 A - B means 'A is the wife of B',
 A # B means 'A is the father of B'.

How is O related to V if 'O @ P # T + G - V'?

A. Wife's brother

B. Wife's father's father

C. Wife's father's brother ✓

D. Wife's father

Q52 General Intelligence & Reasoning

In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

KEPT - ETPK - TPEK

SAIL - ALIS - LIAS

A. PACK - APCK - KACP

B. TURN - UTRN - NURT

C. HOPE - HPOE - EPOH

D. MOPS - OSPM - SPOM ✓

Q53 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

RV23, QU32, PT41, OS50, ?

A. NR59 ✓

B. NS58

C. NS59

D. NR58

Q54 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 5 2 7 4 1 9 3 2 7 6 4 5 8 2 9 7 2 8 5 1 6 8 4 2 9 5 2

(Right)

How many such even digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an odd digit?

A. Two

B. One

C. More than three

D. Three ✓

Q55 General Intelligence & Reasoning

UPNF is related to YLPD in a certain way based on the English alphabetical order. In the same way, CHRB is related to GDTZ. To which of the following is KZVX related to, following the same logic?

A. NUYW

B. PWXU

C. NVWV

D. OVXV ✓

Q56 General Intelligence & Reasoning

What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

 $36 \times 6 - 2 \div 13 + 9 = ?$

A. 22

B. 23 ✓

C. 25

D. 21



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Q57 General Intelligence & Reasoning

Eight people – A, B, C, D, E, F, G and H are sitting around a circular table facing the centre. Only one person sits between A and B when counted from the right of A. E sits to the immediate left of A. Only three people sit between E and C when counted from the left of E. F sits third to the right of C. D sits to the immediate right of H. Who sits second to the right of G?

A. E

B. H

C. C



D. F

Q58 General Intelligence & Reasoning

What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$172 \div 4 + 183 \times 3 - 164 = ?$$

A. 791



B. 652

C. 739

D. 681

Q59 General Intelligence & Reasoning

In a certain code language, 'the birds sings' is coded as 'ly gn ws' and 'birds have beak' is coded as 'ie ly nt'. How is 'birds' coded in that language?

A. nt

B. ws

C. ly



D. gn

Q60 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. EH-LG

B. IL-PJ



C. QT-XS

D. MP-TO

Q61 General Intelligence & Reasoning

FGNE is related to KDSB in a certain way based on the English alphabetical order. In the same way, PAXY is related to UXCV. To which of the following is ZUHS related, following the same logic?

A. DSNQ

B. ERMP



C. ESLQ

D. FQLO

Q62 General Intelligence & Reasoning

Pavan ranked 13th from the top and 3rd from the bottom in his class. How many students are there in the class?

A. 15



B. 19

C. 17

D. 13

Q63 General Intelligence & Reasoning

This question is based on the five, three-digit numbers given below.

(Left) 604 895 469 742 307 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

NOTE - All operations to be done from left to right.

What will be the resultant, if the third digit of the highest number is added to the second digit of the lowest number?

A. 9

B. 5



C. 16

D. 12

Q64 General Intelligence & Reasoning

Which of the given letter-clusters will replace the question mark (?) in the following series to make it logically complete?

PCR45, MGO41, JKL37, ?

A. GNJ33

B. HNJ32

C. GOI33



D. HOI32



Q65 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

0, -2, -3, 8, 95, ?

A. 380

B. 684



C. 810

D. 140

Q66 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:

All pouches are trunks.
All bags are trunks.

Conclusions:

(I) Some pouches are bags.
(II) Some trunks are bags.

A. Both conclusions (I) and (II) follow.

B. Only conclusion (I) follows.

C. Neither conclusion (I) nor (II) follows.

D. Only conclusion (II) follows.

**Q67 General Intelligence & Reasoning**

Mr. Akai starts from Point A and drives 10 km towards east. He then takes a left turn, drives 11 km, turns left and drives 19 km. He then takes a left turn and drives 21 km. He takes a final left turn, drives 9 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only, unless specified.)

A. 10 km to the south

B. 12 km to the east

C. 12 km to the south

D. 10 km to the north

**Q68 General Intelligence & Reasoning**

Refer to the number series given below and answer the question that follows. Counting to be done from left to right only.

(NOTE: All numbers are single-digit numbers only.)

(Left) 3 5 2 4 7 6 8 5 3 4 2 1 9 6 2 (Right)

How many such prime numbers are there which are immediately followed by an odd number?

A. One

B. Two

C. Three



D. None

Q69 General Intelligence & Reasoning

Tarun starts from Point Y and drives 36 km towards west. He then takes a left turn, drives 83 km, turns right and drives 68 km. He then takes a right turn and drives 55 km. He takes a right turn, drives 41 km. He then turns left, drives 28 km to stop at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again?

(Note: All turns are 90° turns only unless specified.)

A. 66 km towards east

B. 65 km towards west

C. 61 km towards west

D. 63 km towards east

**Q70 General Intelligence & Reasoning**

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statement(s).

Statements:

No father is a mother.
No mother is a son.

Conclusions:

(I) All mothers are fathers.
(II) No father is a son.

A. Only I follows

B. Neither follows



C. Both follow

D. Only II follows



Q71 General Intelligence & Reasoning

Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) @ 4 6 8 * \$ \$ \$ £ % 4 6 7 1 5 * 4 * 4 4 2 \$ (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a number?

A. 1

B. 3

C. 4

D. 2

**Q72 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

131 132 135 140 147 ?

A. 155

B. 154

C. 157

D. 156

**Q73 General Intelligence & Reasoning**

Seven boxes D, E, F, U, V, W and X are kept one over the other but not necessarily in the same order. Only five boxes are kept below X. Only three boxes are kept between F and X. V is kept at one of the positions below F. Only E is kept between X and W. D is kept at one of the positions above X. How many boxes are kept between V and D?

A. Two

B. Five



C. Four

D. Three

Q74 General Intelligence & Reasoning

A, B, C, D, W, X and Y are sitting around a circular table facing the centre of the table.

Only four people sit between B and A when counted from the right of B. B sits third to the left of X. W sits third to the left of Y. C is an immediate neighbour of both A and X. How many people sit between D and C when counted from the right of D?

A. One

B. Two



C. Four

D. Three

Q75 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. UQT

B. WSV

C. PLO

D. IFH

**Q76 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

264 239 216 195 176 ?

A. 155

B. 158

C. 159



D. 160

Q77 General Intelligence & Reasoning

In a certain code language, 'music is life' is coded as 'cd jk rs' and 'life is precious' is coded as 'ap cd jk'. How is 'music' coded in that language?

A. cd

B. rs



C. ap

D. jk

Q78 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting / multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(15, 90, 6)

(13, 65, 5)

A. (17, 24, 2)

B. (16, 32, 2)



C. (14, 46, 4)

D. (11, 55, 6)



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Q79 General Intelligence & Reasoning

M, N, O, P, W, X and Y are sitting around a circular table facing the centre of the table. Only two people sit between X and W when counted from the right of X. Only two people sit between W and M when counted from the right of W. Only three people sit between X and N when counted from the right of X. P sits to the immediate left of Y. Who sits third to the left of O?

A. Y



B. M

C. P

D. X

Q80 General Intelligence & Reasoning

If 2 is added to each odd digit and 2 is subtracted from each even digit in the number 3267451, what will be the difference between the highest and lowest digits in the new number thus formed?

A. 7

B. 6

C. 9



D. 8

General Awareness

20 Questions • Answer Key

Q81 General Awareness

The Green Hydrogen Certification Scheme launched in 2025 is part of which key national programme?

A. Green India Initiative

B. National Solar Energy Mission

C. India Clean Energy Movement

D. National Green Hydrogen Mission

**Q82 General Awareness**

Which award did President Murmu present to the Indian Bureau of Mines (IBM) in 2025?

A. National Sports Awards

B. Bharat Ratna

C. E-Governance Award



D. Sahitya Akademi Award

Q83 General Awareness

Who among the following was re-appointed as the Prime Minister of Portugal in 2025?

A. Pedro Nuno Santos

B. Luis Montenegro



C. Andre Ventura

D. Antonio Costa

Q84 General Awareness

In 2025, Aman Sehrawat was honoured with the Arjuna Award; what sport does he compete in?

A. Boxing

B. Shooting

C. Weightlifting

D. Wrestling

**Q85 General Awareness**

Which of the following is the most polluted city in India as per the IQ Air Report 2024-25?

A. Faridabad

B. Byrnihat



C. Gurugram

D. Delhi

Q86 General Awareness

Who earned the 'Game Changer' award at the Women's Football Awards 2025?

A. Bethany England

B. Viviane Miedema

C. Keira Walsh

D. Anita Asante



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Q87 General Awareness

Which of the following schemes was launched by the Gujarat government in May 2025 that sends real-time SMS alerts to citizens about their police case progress?

- A. FIR-Alert System
- B. e-Alert Gujarat
- C. I-Pragati
- D. Citizen Police Update

**Q88 General Awareness**

Which pair won the gold in the Men's Doubles SL3–SL4 at the 2025 Asia Para Badminton Championship?

- A. Pramod Bhagat and Sukant Kadam
- B. Nitesh Kumar and Sukant Kadam
- C. Sukant Kadam and Umesh Vikram Kumar
- D. Nitesh Kumar and Pramod Bhagat

**Q89 General Awareness**

The Indian Prime Minister introduced a significant programme in the farming sector in October 2025 with a fund of ₹24,000 crore, named ____.

- A. PM Krishi Sinchai Yojana
- B. PM Dhan Dhaanya Krishi Yojana
- C. PM Fasal Bima Yojana
- D. PM Kisan Samman Yojana

**Q90 General Awareness**

What was the theme of the 17th Civil Services Day?

- A. Digital Governance for Urban Development
- B. Holistic Development of India
- C. Economic Reforms for Rural Areas
- D. Global Governance Integration

**Q91 General Awareness**

What is the name of the affordable insurance scheme launched by India Post Payments Bank (pilot launch was done in July 2023) for unorganised sector workers on 1 May 2025?

- A. Suraksha Sathi Yojana
- B. Shramik Suraksha Yojana
- C. Antyodaya Shramik Suraksha Yojana
- D. Ayushman Bima Shramik Yojana

**Q92 General Awareness**

What is the rank of India in the Hurun Global Unicorn Index 2025, published by the Hurun Research Institute, which marks a significant milestone in the global startup ecosystem?

- A. 2nd
- B. 10th
- C. 3rd
- D. 8th

**Q93 General Awareness**

Which company unveiled Dragon Copilot, AI voice assistant for healthcare in March 2025?

- A. Infosys
- B. SpaceX
- C. Apple
- D. Microsoft

**Q94 General Awareness**

Which Indian footballer was honoured as the Promising Men's Player of the Year at the AIFF Awards 2025?

- A. Subhasish Bose
- B. Vishal Kaith
- C. Brison Fernandes
- D. Khalid Jamil

**Q95 General Awareness**

Which Chinese city hosted the 2025 Asian Winter Games from 7 to 14 February?

- A. Shanghai
- B. Harbin
- C. Guangzhou
- D. Beijing

**Q96 General Awareness**

What is the threshold amount for complaints to be auto-converted into an e-Zero FIR?

- A. ₹5 lakh
- B. ₹1 lakh
- C. ₹10 lakh
- D. ₹50 lakh



Q97 General Awareness

What is the estimated fiscal deficit for the financial year 2025–26 as per Union Budget, 2025–26?

A. 4.4% of GDP



B. 3.9% of GDP

C. 5.1% of GDP

D. 6.2% of GDP

Q98 General Awareness

As notified on 20 June 2025, the Defence Research and Development Organisation (DRDO) will soon begin manufacturing new variants of the Pinaka rocket system with extended ranges of ____.

A. 120 km and 300 km



B. 100 km and 260 km

C. 90 km and 225 km

D. 170 km and 400 km

Q99 General Awareness

India has banned jute imports from which country through all land and sea ports except Nhava Sheva in June 2025?

A. Nepal

B. China

C. Pakistan

D. Bangladesh



Q100 General Awareness

Which of the following was inducted in the UNESCO World Network of Biosphere Reserves in September 2025?

A. Cold Desert Biosphere Reserve



B. Achanakmar–Amarkantak Biosphere Reserve

C. Pachmarhi Biosphere Reserve

D. Kachchh Biosphere Reserve



General Science

25 Questions • Answer Key

Q1 General Science

What is associated with a metallic wire carrying an electric current?

A. A magnetic field around it



B. Only electric potential

C. Only heat

D. No physical effect

Q2 General Science

Why is a transportation system essential for excretion in multicellular organisms?

A. To help with reproduction

B. To move waste products to the organs that remove them



C. To circulate digestive enzymes

D. To produce oxygen in cells

Q3 General Science

Which of the following statements about the centre of curvature of a spherical mirror is NOT true?

A. It is not a part of the mirror itself.

B. For a concave mirror, it is located behind the mirror.



C. It lies outside the reflecting surface of the mirror.

D. For a convex mirror, it lies behind the mirror.

Q4 General Science

Why does the growth of an onion root stop after its tip is cut?

A. The lateral meristem gets damaged.

B. The meristematic cells lose their vacuoles.

C. The intercalary meristem starts working.

D. The apical meristem that produces new cells is removed.



Q5 General Science

Which of the following is NOT correct?

A. Multiple reflections improve sound distribution in large halls

B. Multiple reflections are undesirable in small rooms

C. Multiple reflections can cause reverberation

D. Multiple reflections change the pitch of sound



Q6 General Science

Which element has mass number 27 and 14 neutrons present in it?

A. Sodium

B. Magnesium

C. Aluminium



D. Chlorine

Q7 General Science

An object floats on water if _____.

A. Its density is less than water



B. Its weight is zero

C. Its volume is very small

D. Its density is greater than water

Q8 General Science

Which mirror is used by a dentist to see the inside of a patient's mouth?

A. Plane mirror

B. Planoconvex mirror

C. Convex mirror

D. Concave mirror



Q9 General Science

A particle moves in a circle of radius 1.5 m with angular velocity 3 rad/s. What will the ratio of its linear velocity to angular velocity be?

A. 1 : 2

B. 3 : 2



C. 2 : 1

D. 2 : 3

Q10 General Science

Which feature of Spirogyra allows fragmentation to be successful?

A. Single-celled structure

B. Complex tissues

C. Simple filamentous body



D. Presence of seeds



Q11 General Science

Which of the following elements is classified exclusively as a non-metal under standard conditions?

- A. Silver
- B. Zinc
- C. Mercury
- D. Hydrogen

**Q12 General Science**

If both current and resistance are halved, the power reduces to _____.

- A. half of the initial value
- B. one-fourth of the initial value
- C. one-eighth of the initial value
- D. one-third of the initial value

**Q13 General Science**

Which of the following solutions will contain the highest concentration of H^+ ions?

- A. Solution with pH 7
- B. Solution with pH 3
- C. Solution with pH 13
- D. Solution with pH 10

**Q14 General Science**

How long does an unfertilised egg typically survive in the female reproductive tract?

- A. 72 hours
- B. 24 hours
- C. 10 hours
- D. 60 hours

**Q15 General Science**

Which of the following is a crop variety improvement method by introducing a gene that would provide the desired characteristics?

- A. Genetically modified crops
- B. Budding
- C. Natural vegetative reproduction
- D. Grafting

**Q16 General Science**

The energy possessed by a body due to its position or configuration is called _____.

- A. Thermal energy
- B. Kinetic energy
- C. Potential energy
- D. Chemical energy

**Q17 General Science**

Which of the following compounds is a saturated hydrocarbon?

- A. Propene
- B. Cyclohexane
- C. Benzene
- D. Propyne

**Q18 General Science**

Which of the following organs is a part of the human female reproductive system?

- A. Testis
- B. Uterus
- C. Vas Deferens
- D. Prostate Gland

**Q19 General Science**

Read the following statements carefully and select the correct option.

Assertion (A): In the reaction of copper with oxygen, oxygen acts as the reducing agent.
Reason (R): Oxygen adds to copper forming copper oxide.

- A. A is true, but R is false.
- B. Both A and R are true, and R is not the correct explanation of A.
- C. A is false, but R is true.
- D. Both A and R are true, and R is the correct explanation of A.

**Q20 General Science**

In a starch test using a variegated leaf, what is the purpose of adding iodine solution at the end?

- A. To identify the areas without chloroplasts
- B. To stain the starch present in the leaf
- C. To dissolve starch
- D. To remove chlorophyll from green areas



Q21 General Science

Which of the following is NOT an advantage of short-duration crop varieties?

A. Higher chances of crop damage



B. Reduced production cost

C. Possibility of multiple cropping

D. Quick harvesting

Q22 General Science

Which compound is used to prepare bleaching powder?

A. Sodium Carbonate

B. Calcium Hydroxide



C. Calcium Chloride

D. Ammonium Hydroxide

Q23 General Science

Covalent bonds are formed by:

A. Loss of protons

B. Gain of neutrons

C. Sharing of electrons



D. Transfer of electrons

Q24 General Science

Which of the following statements is correct about the concept of 'molecules of compounds'?

A. A molecule of a compound is formed by the separation of atoms of different elements.

B. A molecule of a compound is formed by the combination of atoms of the same element.

C. A molecule of a compound is formed by the separation of atoms of the same element.

D. A molecule of a compound is formed by the combination of atoms of different elements.

**Q25 General Science**

A book is at rest on a table. Which of the following statements correctly describes the action – reaction pair according to Newton's Third Law?

A. The normal force exerted by the table on the book and the gravitational force exerted by the Earth on the book are an action – reaction pair.

B. The force of the book on the table and the normal force of the table on the book are not a balanced pair of forces.

C. The gravitational force exerted by the Earth on the book and the normal force exerted by the table on the book are an action – reaction pair.

D. The gravitational force exerted by the Earth on the book and by the book on the Earth are an action – reaction pair.

**Mathematics**

25 Questions • Answer Key

Q26 Mathematics

At present, Amar is 5 years younger than Ravi. After four years from now, Ravi will be twice as old as Amar. Find Amar's present age (in years).

A. 6

B. 2

C. 4

D. 1

**Q27 Mathematics**

The average age of 51 students of a class is 21 years. If the age of the teacher is also included, the average age of the whole group becomes 22 years. The age (in years) of the teacher is:

A. 70

B. 74

C. 71

D. 73



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Q28 Mathematics

8 men and 3 women can complete a piece of work in 15 days, and 14 men and 19 women can complete the same work in 5 days. The work of how many women is equivalent to that of one man?

A. 4

B. 1 ☒

C. 2

D. 3

Q29 Mathematics

Consider a cube of edge 5 cm and a cuboid with dimensions $7 \times 4 \times 2$ cm. Which of them has the larger volume?

A. Cannot be determined

B. Both occupy equal space

C. Only cuboid

D. Only cube ☒**Q30 Mathematics**

A certain sum of money amounts to ₹12,000 in 3 years and ₹16,000 in 5 years on simple interest. Find the principal.

A. ₹5,500

B. ₹6,000 ☒

C. ₹5,200

D. ₹6,200

Q31 Mathematics

A train overtakes two people walking along a railway track. The first person walks at 7.2 km/hr, and the second person walks at 14.4 km/hr. The train takes 29.9 seconds to pass the first person and 43.7 seconds to pass the second person. What is the speed of the train if both are walking in the same direction as the train?

A. 27 km/hr

B. 38 km/hr

C. 36 km/hr

D. 30 km/hr ☒**Q32 Mathematics**

An Uber cab covers a distance of 640 km in 80 hours. What is its speed in km/hr?

A. 8 ☒

B. 3

C. 16

D. 12

Q33 Mathematics

Meera purchased 23 bracelets at ₹160 each. At what rate per bracelet must she sell them to earn a 15% profit?

A. ₹198

B. ₹184 ☒

C. ₹186

D. ₹192

Q34 Mathematics

In an election with three candidates—Ram, Mohan, and Sohan—10% of the total votes cast were invalid. Sohan received 40% of the valid votes. If Ram got 2,000 more valid votes than Mohan and the total number of votes cast was 10,000, what is the remainder when Ram's votes are divided by Mohan's votes?

A. 320

B. 490

C. 400

D. 300 ☒**Q35 Mathematics**

A rectangle's length is three times its width. If its perimeter is 160 cm, then its width (in cm) is:

A. 15

B. 22

C. 18

D. 20 ☒**Q36 Mathematics**

Simplify the following expression.

$$(8 \times 8 - 8 + 4) \div 10 + (4 \times 4 + 4 + 4 \div 4) \times 3 + 2 \text{ of } 26 \div 4$$

A. 69

B. 89

C. 72

D. 82 ☒**Q37 Mathematics**

A dealer purchased a laptop for ₹99,000. He allows a discount of 37% on its marked price and still gains 40%. Find the marked price of the laptop.

A. ₹2,19,878

B. ₹2,20,000 ☒

C. ₹2,19,903

D. ₹2,20,172



Q38 Mathematics

The length, breadth and height of a room are in the ratio 3 : 2 : 1. If the breadth and height are each reduced to half their original values while the length is doubled, find the percentage change (rounded off to two decimal places) in the total surface area of the room.

- A. Decrease by 13.46%
- B. Decrease by 13.64% ✓
- C. Increase by 13.64%
- D. Increase by 13.46%

Q39 Mathematics

The cost price of the box of sharpener is ₹1,150. The shopkeeper gave 12% discount on the cost price. What is the selling price (in ₹)?

- A. 1,012 ✓
- B. 1,095
- C. 1,074
- D. 955

Q40 Mathematics

If the exterior angles obtained on producing the base YZ of a triangle XYZ in both ways are 110° and 115° , then the measure of $\angle X$ is:

- A. three fourth of a right angle
- B. one fourth of a right angle
- C. one fourth of a straight angle ✓
- D. equal to right angle

Q41 Mathematics

Prakhar and Riya together invested ₹31,600 in a business. At the end of the year, out of a total profit of ₹7,900, Prakhar's share was ₹1,400. What was the investment of Prakhar?

- A. ₹6,500
- B. ₹4,600
- C. ₹4,200
- D. ₹5,600 ✓

Q42 Mathematics

Find the greatest possible length which can be used to measure exactly the lengths 42 m, 63 m and 140 m.

- A. 32 m
- B. 22 m
- C. 5 m
- D. 7 m ✓

Q43 Mathematics

If the third proportional of 4 and 24 is x, then what is the value of x?

- A. 141
- B. 146
- C. 144 ✓
- D. 142

Q44 Mathematics

What must be the total percentage change in the volume of a cuboid, if its length and breadth are decreased by 10% and 20% respectively, while its height is increased by 35%?

- A. 2.8% decrease in volume ✓
- B. 197.2% increase in volume
- C. 10.5% decrease in volume
- D. 4.68% increase in volume

Q45 Mathematics

If 20% of a number is added to 90, then the result is the same number. 60% of the same number is:

- A. 77.5
- B. 87.5
- C. 97.5
- D. 67.5 ✓

Q46 Mathematics

A, B and C can complete a piece of work in 3, 6 and 2 days, respectively. How long (in days) will they take to complete thrice the same work, working together?

- A. 3 ✓
- B. 9
- C. 6
- D. 4



Q47 Mathematics

If the mode of the given data is 22.75, find the median. (Round off to two decimal places)

Class Interval	0-7	7-14	14-21	21-28	28-35	35-42
Frequency	1	7	9	11	X	3

A. 32.25

B. 24.25

C. 36.25

D. 21.64

**Q48 Mathematics**

A ladder is leaning against a wall such that it makes a 45° angle with the ground. If the foot of the ladder is 5 m away from the wall, what is the height of the point (in m) where the ladder touches the wall?

A. $\frac{5}{\sqrt{3}}$ m

B. 5 m

C. $5\sqrt{3}$ m

D. 10 m

**Q49 Mathematics**

The expression $\frac{8.73 \times 8.73 \times 8.73 + 4.27 \times 4.27 \times 4.27}{8.73 \times 8.73 - 4.27 \times 8.73 + 4.27 \times 4.27}$ is equal to:

A. 12

B. 11

C. 13

D. 10

**Q50 Mathematics**

Simplify $(5x - 4)^2 - (5x + 4)^2$.

A. $50x^2 + 32$ B. $-80x$ C. $25x^2 - 4$ D. $-40x$ 

Q51 General Intelligence & Reasoning

In a certain code language, 'BITE' is coded as '3712' and 'TIDE' is coded as '1207'. What is the code for 'D' in that language?

- A. 7
B. 2
C. 3
D. 0

**Q52** General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All bins are cans.
All plastics are cans.

Conclusions:

(I): Some bins are plastics.
(II): Some cans are plastics.

- A. Both conclusions (I) and (II) follow
B. Neither conclusion (I) nor (II) follows
C. Only conclusion (I) follows
D. Only conclusion (II) follows

**Q53** General Intelligence & Reasoning

Refer to the following number, symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers only.

(Left) 3 @ © 6 5 € € 3 3 8 € % 2 7 6 # 7 * £ € 9 \$ (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a number?

- A. Two
B. Three
C. One
D. Zero

**Q54** General Intelligence & Reasoning

Suraj starts from Point A and travels 8 km to the north. He then takes a right turn and travels 9 km, takes another right turn and travels 10 km, then takes a left turn and travels 5 km. Finally, he takes a left turn and travels 2 km to reach Point B. How far (shortest distance) and in which direction must he travel to return to Point A? (All turns are 90° turns only unless specified.)

- A. 1 km towards the east
B. 11 km towards the west
C. 6 km towards the south
D. 14 km towards the west

**Q55** General Intelligence & Reasoning

Refer to the following series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 7 7 7 8 5 4 1 7 5 1 9 4 5 8 1 1 4 5 1 2 8 6 9 7 4 2 6
(Right)

How many such even numbers are there each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- A. 6
B. 7
C. 5
D. 4

**Q56** General Intelligence & Reasoning

XVYC is related to DBEI in a certain way based on the English alphabetical order. In the same way, PNQU is related to VTWA. To which of the given options is BZCG related, following the same logic?

- A. HGHO
B. HFIM
C. HFHM
D. HEHM



Q57 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

GJD24 HKE33 ILF42 JMG51 ?

A. KNG61

B. KNG60

C. KNH61

D. KNH60

**Q58 General Intelligence & Reasoning**

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the letter-cluster that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. TSW

B. VVY



C. DCG

D. LKO

Q59 General Intelligence & Reasoning

BGJO is related to HIPQ in a certain way based on the English alphabetical order. In the same way, ZOHW is related to FQNY. To which of the given options is RUZC related, following the same logic?

A. XWFE



B. XWQA

C. XWRT

D. XWIO

Q60 General Intelligence & Reasoning

Which of the following numbers will replace the question marks (?) in the given series?

10, 2, 15, 3, 20, 5, 25, 7, ?, ?

A. 30, 11



B. 35, 9

C. 35, 11

D. 30, 9

Q61 General Intelligence & Reasoning

Select the pair which follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.

KIJ-NLM
YWX-BZA

A. IGH-LJK



B. IFF-LJK

C. IFF-KIJ

D. IGH-KJJ

Q62 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 7 9 1 8 4 2 5 6 3 8 7 1 9 (Right)

How many odd numbers are there which are immediately followed by even numbers?

A. Two

B. Three



C. One

D. More than three

Q63 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. CY - KR

B. QM - YF

C. HD - PW

D. BX - IQ

**Q64 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series based on the English alphabetical order?
OSJ MQH KOF IMD ?

A. GKB



B. GLA

C. GLB

D. GKA



Q65 General Intelligence & Reasoning

Town W is to the south of Town X. Town Y is to the east of Town W. Town Z is to the north of Town Y. Town A is to the west of Town Z. Town X is to the north-east of Town A. What is the position of Town W with respect to Town A?

A. Northwest

B. Northeast

C. Southwest

D. Southeast

**Q66 General Intelligence & Reasoning**

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:

Some Reds are Emeralds.
No Emeralds are Magentas.
All Magentas are Greens.

Conclusion (I): Some Magentas are Emeralds

Conclusion (II): Some Emeralds are Greens

A. Neither conclusion (I) nor (II) follows.



B. Both conclusions (I) and (II) follow.

C. Only conclusion (II) follows.

D. Only conclusion (I) follows.

Q67 General Intelligence & Reasoning

Five people, A, B, C, D and E are sitting in a row, facing north. D sits at the extreme left end of the line. E sits third to the right of A. B sits to the immediate right of A. How many people sit(s) between D and E?

A. 3



B. 0

C. 1

D. 2

Q68 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

101 105 114 130 155 ?

A. 191



B. 201

C. 188

D. 193

Q69 General Intelligence & Reasoning

If + means $\times$, $\times$ means $\div$, $\div$ means +, then what will come in place of the question mark (?) in the following equation?

$$253 - 2 \div 413 + 1313 \times 13 = ?$$

A. 834

B. 818



C. 828

D. 838

Q70 General Intelligence & Reasoning

A, B, C, D, E, F and G are sitting around a circular table facing the centre. B sits third to the left of D. A sits second to the left of G. D is the immediate neighbour of both C and A. E is not an immediate neighbour of B. How many people sit between E and F when counted from the right of E?

A. Two



B. Three

C. Four

D. One

Q71 General Intelligence & Reasoning

In a certain code language,
A + B means 'A is the sister of B',
A @ B means 'A is the brother of B',
A - B means 'A is the wife of B',
and A # B means 'A is the father of B'.

How is O related to V if 'O @ P - T # G + V'?

A. Husband

B. Son

C. Mother's father

D. Mother's brother

**Q72 General Intelligence & Reasoning**

In a certain code language, 'van oak canoe' is coded as 'cs vd zb' and 'canoe jet wheat' is coded as 'vc cs uw'. How is 'canoe' coded in that language?

A. zb

B. cs



C. vd

D. vc



Q73 General Intelligence & Reasoning

Seema ranked 14th from the bottom and 42th from the top in her class. How many students are there in her class?

- A. 54
- B. 53
- C. 55
- D. 52

**Q74 General Intelligence & Reasoning**

Each of the digits in the number 3472618 is arranged in ascending order from left to right. The position of how many digits will remain unchanged as compared to that in the original number?

- A. None
- B. One
- C. Two
- D. Three

**Q75 General Intelligence & Reasoning**

Seven boxes, A, B, C, D, I, J, and K, are kept one over the other but not necessarily in the same order. Only two boxes are kept below I. Only one box is kept above J. Only one box is kept between J and K. B is kept immediately above C. D is kept at some place below A. How many boxes are kept between A and B?

- A. Two
- B. One
- C. Three
- D. Four

**Q76 General Intelligence & Reasoning**

M, N, O, P, W, X and Y are sitting around a circular table facing the centre of the table. Only one person sits between P and O when counted from the right of P. Only one person sits between O and X when counted from the right of O. Only one person sits between P and W when counted from the right of W. Only two people sit between N and X when counted from the left of X. Only one person sits between M and W when counted from the left of W. Who sits third to the right of Y?

- A. M
- B. O
- C. P
- D. W

**Q77 General Intelligence & Reasoning**

Refer to the given number, symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 8 7 * @ © 9 # % £ © * % © 2 * © 4 8 2 4 5 @ (Right)

How many such numbers are there, each of which is immediately preceded by a number and also immediately followed by a symbol?

- A. 4
- B. 0
- C. 2
- D. 1

**Q78 General Intelligence & Reasoning**

Select the set in which the numbers are related in the same way as are the numbers of the following sets. (NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(5, 31, 6)
(3, 16, 5)

- A. (3, 2, 7)
- B. (6, 13, 2)
- C. (1, 6, 4)
- D. (4, 7, 2)

**Q79 General Intelligence & Reasoning**

What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$139 \div 7 + 341 \times 11 - 41 = ?$$

- A. 921
- B. 831
- C. 856
- D. 983



Q80 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

18 27 39 54 ?

A. 69

B. 75

C. 72



D. 70

General Awareness

20 Questions • Answer Key

Q81 General Awareness

What is the aim of the Digital Twin with AI-Driven Insights initiative showcased at India Mobile Congress 2025?

A. To design marketing tools for phone makers

B. To produce sensors for consumer devices

C. To plan and manage infrastructure



D. To create gaming systems for telecom users

Q82 General Awareness

In 2025, which institution was directed by the National Green Tribunal to assess the ultraviolet sewage treatment technology?

A. IIT Kanpur

B. IIT Bombay

C. IIT Delhi



D. IIT Madras

Q83 General Awareness

The National Red List Roadmap, launched in October 2025, primarily aims at which of the following?

A. To track progress on renewable energy adoption and emissions reduction

B. To develop renewable energy targets for environmental sustainability

C. To monitor air and water pollution levels across industrial zones

D. To assess and monitor the conservation status of the country's flora and fauna

**Q84 General Awareness**

How does the Mizzo Endo 4000, launched in 2025, improve clinical outcomes compared to conventional laparoscopic procedures?

A. It enhances diagnostic accuracy by integrating AI into pathology workflows.

B. It allows large-scale production of low-cost prosthetics through additive manufacturing.

C. It improves drug absorption in human tissues using nanotechnology-based delivery systems.

D. It reduces dependence on imported robotic surgical systems by enabling indigenous precision surgeries.

**Q85 General Awareness**

What does the Waqf (Amendment) Act, 2025, prohibit unless female heirs receive their inheritance first?

A. Dedication to Waqf



B. Court cases

C. Loan sanctioning

D. Property registration

Q86 General Awareness

Which academy was the runner-up in the Bakshi Cup 2025?

A. Air Force Academy (AFA)

B. National Defence Academy (NDA)



C. Officers' Training Academy (OTA) Chennai

D. Indian Military Academy (IMA)



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Q87 General Awareness

Which edition of the Offshore Security Coordination Committee (OSCC) was held in New Delhi in June 2025 (led by the Indian Coast guard) with a key focus to evaluate offshore infrastructure security and develop better multi-agency?

A. 127th

B. 137th



C. 157th

D. 147th

Q88 General Awareness

Where was the first edition of the 2025 Kho Kho World Cup held in January 2025?

A. Kathmandu, Nepal

B. Dhaka, Bangladesh

C. New Delhi, India



D. Colombo, Sri Lanka

Q89 General Awareness

In June 2025, the Reserve Bank of India (RBI) imposed a monetary penalty of ₹29.60 lakh (Rupees Twenty Nine Lakh Sixty Thousand only) on which of the following institutions for non-compliance with certain directions issued by RBI on 'Licensing of Payments Banks' on 6 June 2025?

A. HDFC Bank Limited

B. Punjab & Sind Bank

C. Fino Payments Bank Limited



D. Bandhan Bank Limited

Q90 General Awareness

What was the theme of the World Food Forum (WFF) held in Rome from 14-18 October 2024?

A. Nutritious food for all, for today and tomorrow

B. Good food for all, for today and tomorrow



C. Healthy food for all, for today and tomorrow

D. Good food for all, for today and forever

Q91 General Awareness

In August 2025, the Indian Army, together with IIT Madras, set up a research centre on the IIT Madras campus called _____.

A. DefenceTech

B. BrahMos Research Cell

C. Agnishodh



D. AstraLab

Q92 General Awareness

Which city was chosen to host a major five-day Sumo wrestling tournament in 2025?

A. London, UK



B. Toronto, Canada

C. Sydney, Australia

D. New York, USA

Q93 General Awareness

Which prestigious award did hockey player Harmanpreet Singh receive from President Droupadi Murmu at a specially organised function at Rashtrapati Bhavan in January 2025?

A. Padma Bhushan

B. Major Dhyan Chand Khel Ratna Award



C. Dronacharya Award

D. Arjuna Award

Q94 General Awareness

What is the maximum number of lenders allowed per borrower under new Microfinance Institutions Network (MFIN) rules which came into effect from 1 April 2025?

A. Four

B. Three



C. Two

D. Five

Q95 General Awareness

Who among the following has been elected the President of the Confederation of Indian Industry (CII) for 2025-26?

A. Sanjiv Puri

B. Rajiv Memani



C. Adani

D. Mukesh Ambani



Q96 General Awareness

Which state government has initiated transformative industrial reform campaign called Udyog Kranti in June 2025?

A. Andhra Pradesh

B. Punjab



C. Gujarat

D. Maharashtra

Q97 General Awareness

Which of the following administrative bodies has been designated the nodal agency for the 'Viksit Bharat @2047' programme in 2025?

A. Department of Science and Technology

B. Ministry of External Affairs

C. NITI Aayog



D. Central Vigilance Commission

Q98 General Awareness

Who won the 2025 World Junior Chess Championship?

A. Viswanathan Anand

B. Abhijeet Gupta

C. Pranav Venkatesh



D. Pentala Harikrishna

Q99 General Awareness

What is the name of the women's wellness space inaugurated by the Department of Legal Affairs, Ministry of Law and Justice in July 2025?

A. Swasthya Sthal

B. Nari Kalyan Bhawan

C. Mahila Aarogyam Kaksh



D. Stree Suraksha Sadan

Q100 General Awareness

In November 2025, the Standing Committee of the National Board for Wildlife approved several defence and paramilitary projects in which of the following protected areas?

A. Dehing Patkai Wildlife Sanctuary

B. Khangchendzonga National Park

C. Raimona National Park

D. Karakoram Wildlife Sanctuary



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General Science

25 Questions • Answer Key

Q1 General Science

What is the transformation of a larva into an adult frog through drastic changes called?

- A. Fertilisation
- B. Metamorphosis
- C. Zygote formation
- D. Gamete formation

Q2 General Science

The fuse wire in electric circuits works on the principle of _____.

- A. chemical effect of current
- B. heating effect of current
- C. magnetic effect of current
- D. induction effect of current

Q3 General Science

Dispersion of white light through a glass prism takes place because:

- A. different colours travel with the same speed in glass
- B. the prism absorbs some colours and transmits others
- C. white light splits due to reflection inside the prism
- D. different colours travel with different speeds in glass

Q4 General Science

The Moon moves in a curved path around the Earth instead of a straight line because:

- A. the Moon has a very large mass
- B. the Moon has no inertia
- C. the Sun's light pushes the Moon
- D. the Earth's gravitational force provides the centripetal force

Q5 General Science

How is the mass number of an atom calculated?

- A. Protons plus neutrons in nucleus of atom
- B. Total protons plus electrons in the atom
- C. Total electrons plus nucleons in the atom
- D. Atomic number multiplied by 3 as an estimate

Q6 General Science

Which of the following pairs is an example of 'molecule of an element itself'?

- A. Hydrogen gas and oxygen gas
- B. Ammonia and sulphur dioxide
- C. Ammonia and oxygen gas
- D. Hydrogen gas and water

Q7 General Science

What type of reaction is an acid-base reaction?

- A. Redox reaction
- B. Exothermic reaction
- C. Dissociation reaction
- D. Endothermic reaction

Q8 General Science

Match the following: Products of Reaction of Metal Carbonates with Acids

Column A (Reactants)	Column B (Products)
A. Sodium carbonate + HCl	1. Forms white precipitate of CaCO_3
B. Calcium carbonate + H_2SO_4	2. Calcium sulphate + CO_2 + H_2O
C. Metal carbonate + Acid	3. Salt + Carbon dioxide + Water
D. CO_2 passed through lime water	4. Sodium chloride + CO_2 + H_2O

- A. A-4; B-3; C-2; D-1
- B. A-4; B-2; C-3; D-1
- C. A-2; B-1; C-4; D-3
- D. A-3; B-4; C-1; D-2

Q9 General Science

Which of the following defines cross-pollination correctly?

- A. Transfer of pollen from the anther of one flower to the stigma of another flower
- B. Fertilisation of an ovule without pollen transfer
- C. Transfer of pollen from one plant to a non-flowering plant
- D. Transfer of pollen within the same flower



Q10 General Science

Which tissue is specialised for transmitting rapid electrical impulses that enable muscle movement?

- A. Epithelial tissue
- B. Nervous tissue ✓
- C. Adipose tissue
- D. Connective tissue

Q11 General Science

A body undergoes a displacement of 5 m under the action of a constant force of 5 N, in the same direction as the force. How much work will be done under the action of this force?

- A. 1 J
- B. 25 J ✓
- C. 1/5 J
- D. 5 J

Q12 General Science

Which of the following is the primary use of ultrasound in echocardiography?

- A. Examine the structure and function of the heart ✓
- B. Cleaning or removing arterial blockages
- C. Determining body weight
- D. Measuring blood sugar levels

Q13 General Science

What is the main purpose of the 'enrichment of ores' process in metallurgy?

- A. To remove undesirable impurities (gangue) from the ore. ✓
- B. To convert the metal ore into its molten form.
- C. To refine the extracted metal to increase its purity.
- D. To combine the metal with other elements to form alloys.

Q14 General Science

Which of the following is NOT correct about nervous tissue?

- A. Cells are called nerve cells or neurons
- B. Nerve cells are very small in length ✓
- C. Examples are brain and spinal cord
- D. Neuron is made up of axon and dendrites

Q15 General Science

What is the SI unit of pressure used in measuring gases?

- A. Pascal ✓
- B. Kelvin
- C. Joule
- D. Newton

Q16 General Science

Which of the following is human-made material and will NOT be broken down by the action of bacteria?

- A. Butter
- B. Rice
- C. Plastic ✓
- D. Bread

Q17 General Science

What is mixed cropping?

- A. Growing the same crop on a field in all seasons
- B. Alternating between growing crops in one season and leaving the field empty in the following season
- C. Rotating crops on a field seasonally
- D. Growing multiple crops on a field in the same season ✓

Q18 General Science

Arrange the following metals: K, Ca, Al in the order of increasing reactivity.

- A. $Al < Ca < K$ ✓
- B. $K < Al < Ca$
- C. $Ca < K < Al$
- D. $K < Ca < Al$

Q19 General Science

Which of the given statements is correct?

Statement 1: Concave mirrors are used in solar furnaces to focus sunlight at a point for heating.
Statement 2: Convex mirrors can never form real images.

- A. Only statement 1 is correct.
- B. Only statement 2 is correct.
- C. Both statements 1 and 2 are correct . ✓
- D. Both statements 1 and 2 are incorrect .



Q20 General Science

A distance–time graph is a curve rather than a straight line. What does this indicate?

- A. The body is moving with uniform speed.
- B. The body is moving with uniform acceleration.
- C. The body is at rest.
- D. The body is moving with non-uniform speed. ✓

Q21 General Science

For a given material, the resistance per unit length is inversely proportional to which of the following?

- A. Resistivity
- B. Cross-sectional area ✓
- C. Conductivity
- D. Temperature

Q22 General Science

The sexual act is a very intimate connection of bodies and there are many diseases that can be transmitted sexually. Which of the following is caused by bacteria?

- A. Warts
- B. Gonorrhoea only
- C. Both gonorrhoea and syphilis ✓
- D. Syphilis only

Q25 General Science

What is the formula of plaster of paris?

- A. $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$
- B. $\text{CuSO}_4 \cdot 1/2\text{H}_2\text{O}$
- C. $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$
- D. $\text{CaSO}_4 \cdot 1/2\text{H}_2\text{O}$ ✓

Q23 General Science

Which of the following correctly lists the components of the vascular tissue known as xylem?

- A. Tracheids, vessels, xylem parenchyma, xylem fibres ✓
- B. Companion cells, sieve cells, vessels, tracheids
- C. Tracheids, vessels, sieve tubes, xylem parenchyma
- D. Sieve tubes, companion cells, phloem fibres, phloem parenchyma

Q24 General Science

When an object moves along a straight path but its speed keeps changing, how can we describe its rate of motion?

- A. By checking how far it goes every second
- B. By measuring its constant velocity
- C. By using the total time over the average velocity
- D. By using average velocity over the total time ✓

Mathematics

25 Questions • Answer Key

Q26 Mathematics

Danish is 9 years younger than Roshan. If their ages are in the ratio 4 : 5, how old is Danish?

- A. 33 years
- B. 34 years
- C. 36 years ✓
- D. 35 years

Q27 Mathematics

Amit and Deeksha together invested ₹17,400 in a business. At the end of the year, out of a total profit of ₹6,000, Amit's share was ₹2,800. What was the investment of Amit?

- A. ₹7,325
- B. ₹8,010
- C. ₹8,120 ✓
- D. ₹7,910



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Q28 Mathematics

In a parking lot, there are cars and motorcycles totaling 28 vehicles. If there are 92 wheels in total, how many cars are there?

A. 16

B. 22

C. 20

D. 18

**Q29 Mathematics**

After allowing a discount of 50% on the marked price of an article, it is sold for ₹61,649. Find its marked price (in ₹).

A. 1,23,308

B. 1,23,280

C. 1,23,380

D. 1,23,298

**Q30 Mathematics**

A dealer marks his goods at 57% above the cost price and allows a discount of 22% on the marked price. What is his gain percentage (correct to two decimal places)?

A. 25.98%

B. 22.46%



C. 19.94%

D. 20.14%

Q31 Mathematics

Harjeet bought a second-hand scooter for ₹18,000 and spent ₹8,000 for repairing it. At what price should he sell the scooter to get a profit of 10%?

A. ₹25,600

B. ₹28,600



C. ₹27,600

D. ₹24,600

Q32 Mathematics

The area of a rectangle decreases by 9 m^2 when its length is reduced by 5 m and its breadth is increased by 3 m. However, if the length is increased by 3 m and the breadth is increased by 2 m, the area increases by 67 m^2 . Find the original area of the rectangle.

A. 156 m^2

B. 151 m^2

C. 152 m^2

D. 153 m^2

**Q33 Mathematics**

When reduced by 6, the smallest number M is divisible by 9, 12, and 26. The digit sum of M is:

A. 15



B. 6

C. 7

D. 8

Q34 Mathematics

In quadrilateral PQRS, the bisectors of $\angle R$ and $\angle S$ meet at the point T (inside the quadrilateral) and $\angle STR = 10.5^\circ$. If the ratio of $\angle P$ to $\angle Q$ is 3 : 4, then what is the difference between the measures of $\angle Q$ and $\angle P$?

A. 1°

B. 5°

C. 7°

D. 3°

**Q35 Mathematics**

A train, 822 m long, is running at a speed of 67m/s. If it takes 133 seconds to cross a tunnel, then find the length of the tunnel.

A. 8085 m

B. 8086 m

C. 8089 m



D. 8097 m

Q36 Mathematics

The average age of 31 students of a class is 21 years. If the age of the teacher is also included, the average age of the whole group becomes 22 years. The age (in years) of the teacher is:

A. 53



B. 55

C. 52

D. 50

Q37 Mathematics

The amount on a sum of ₹4,300 at 10% per annum compound interest, compounded annually, in 2 years will be:

A. ₹5,203



B. ₹5,048

C. ₹5,701

D. ₹4,294



Q38 Mathematics

Two taps function simultaneously to fill a tank in 24 hours. The second tap fills the tank 14 hours slower than the first tap. How many hours will it take by the second tap to fill the tank alone?

A. 42

B. 28

C. 70

D. 56

**Q39 Mathematics**

The median of a set of data is 3 times its mode. Find the square of the product of the mean and mode, given that the median is 9.

A. 1128

B. 1432

C. 1296



D. 1345

Q40 Mathematics

If 20% of a number is added to 84, then the result is the same number. 70% of the same number is:

A. 93.5

B. 83.5

C. 103.5

D. 73.5

**Q41 Mathematics**

A and B working together can do a piece of work in 3 days. B alone can do the same work in 9 days. How long (in days) will A alone take to do double the work?

A. 12

B. 9



C. 4.5

D. 10

Q42 Mathematics

The cost of a washing machine is 75% less than the cost of a TV. If the cost of the washing machine increases by 80% and that of the TV decreases by 14%, then what is the percentage change in the total cost of 8 washing machines and 2 TVs?

A. Increase by 33%



B. Decrease by 32%

C. Increase by 29%

D. Decrease by 30%

Q43 Mathematics

Two trains having lengths of 440 m and 310 m are running at speeds of 60 km/hr and 90 km/hr, respectively, in the same direction. The time taken (in minutes) by the faster train, coming from behind, to completely cross the other train is:

A. 6

B. 1.5



C. 10.1

D. 7.2

Q44 Mathematics

$\frac{1}{20}$ is what percentage of $\frac{11}{70}$? (Round off the answer to two decimal places.)

A. 31.82%



B. 41.82%

C. 63.64%

D. 46.82%



Q45 Mathematics

Simplify the following.

$$5^{15} \div 25^{\frac{13}{2}} \div 125^{\frac{2}{3}} + 5^{17} \div 125^{\frac{16}{3}} + 5^3$$

A. 131



B. 125

C. 130

D. 126

Q46 Mathematics

What is the value of $40 \times \left(\frac{0.74 + 1.48}{2\frac{4}{5} + 7\frac{1}{15}} \right)$?

A. 8.7

B. 9



C. 8.4

D. 9.5

Q47 Mathematics

Simplify: $(3x + 5y)^3 + (3x - 5y)^3$

A. $6x(9x^2 - 75y^2)$

B. $10y(9x^2 + 75y^2)$

C. $10y(9x^2 - 75y^2)$

D. $6x(9x^2 + 75y^2)$



Q48 Mathematics

What will come in place of 'A' in the given ratio?

$$\frac{112}{A} = \frac{8}{67}$$

A. 936

B. 938



C. 939

D. 940



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Q49 Mathematics

If the area of an equilateral triangle is $16\sqrt{3}$ cm², then find its perimeter.

A. 24 cm



B. 12 cm

C. 16 cm

D. 32 cm

Q50 Mathematics

If the height of a vertical pole is $\sqrt{3}$ times the length of its shadow on the ground, then the angle of elevation of the sun at that time is:

A. 45°

B. 30°

C. 70°

D. 60°

**General Intelligence & Reasoning**

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some huts are dens.

No den is a cave.

Conclusions:

(I): Some huts are caves.

(II): Some dens are huts.

A. Only conclusion (II) follows



B. Neither conclusion (I) nor (II) follows

C. Only conclusion (I) follows

D. Both conclusions (I) and (II) follow

Q52 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 4 1 7 9 2 2 7 9 9 9 4 7 7 8 9 1 8 6 2 1 2 2 8 (Right)

How many such even digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

A. None

B. One

C. Two



D. Three

Q53 General Intelligence & Reasoning

Seven boxes M, N, O, P, Q, R and S are kept one over the other but not necessarily in the same order. Only three boxes are kept below N. Only two boxes are kept between N and P. Only Q is kept above O. S is kept at some place below R and at some place above M. Which box is kept at second position from the bottom?

A. M



B. S

C. O

D. P



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Q54 General Intelligence & Reasoning

What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$48 \div 16 + 366 \times 6 - 53 = ?$$

A. 780

B. 790

C. 770

D. 760

**Q55 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

123 133 142 150 157 ?

A. 163



B. 165

C. 164

D. 161

Q56 General Intelligence & Reasoning

Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north.

Only two people sit to the right of F. Only three people sit between F and A. Both E and C are immediate neighbours of G. D sits immediately to the left of B. C is not an immediate neighbour of A. How many people sit between D and E?

A. 1

B. 3



C. 2

D. 4

Q57 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

CKR 78, HHM 69, MEH 60, RBC 51, ?

A. XZY 41

B. VXY 42

C. WYX 42



D. VYZ 41

Q58 General Intelligence & Reasoning

A, B, C, D, E and F are sitting around a circular table, facing the centre. E sits second to the left of A. D is an immediate neighbour of C. C sits to the immediate right of B. F sits second to the left of B. What is the position of E with respect to D?

A. Immediate right



B. Third to the left

C. Second to the right

D. Second to the left

Q59 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. DGC

B. XBW



C. WZV

D. SVR

Q60 General Intelligence & Reasoning

Akshay starts from Point A and drives 21 km towards the east. He then takes a left turn, drives 11 km, then turns left and drives 25 km. He then takes a left turn and drives 16 km. He takes a final left turn, drives 4 km, and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only, unless specified.)

A. 21 km towards west

B. 5 km towards north



C. 5 km towards east

D. 11 km towards south

Q61 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

6 17 29 42 56 71 ?

A. 87



B. 86

C. 90

D. 88



Q62 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 7 2 8 6 7 3 8 5 9 6 2 4 5 2 8 7 8 6 3 6 4 9 5 1 2 4 3
(Right)

How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an odd digit?

- A. More than three
- B. Three
- C. One
- D. Two

Q63 General Intelligence & Reasoning

In a certain code language, 'he eat lunch' is coded as 'rk yf gl' and 'eat proper food' is coded as 'av gl tn'. How is 'eat' coded in the given language?

- A. yf
- B. rk
- C. tn
- D. gl

Q64 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

7 8 12 21 37 '?'

- A. 63
- B. 62
- C. 50
- D. 56

Q65 General Intelligence & Reasoning

In a certain code language,
P + Q means 'P is the father of Q',
P & Q means 'P is the wife of Q',
P @ Q means 'P is the sister of Q' and
P # Q means 'P is the wife of Q'.
Based on the above, how is Y related to Z if 'Y @ G & E + V @ Z'?

- A. Brother's wife
- B. Mother's mother
- C. Father's mother
- D. Mother's sister

Q66 General Intelligence & Reasoning

What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$168 \times 7 - 66 + 5 \div 9 = ?$$

- A. 47
- B. 45
- C. 42
- D. 49

Q67 General Intelligence & Reasoning

If 'A' stands for '÷', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark (?) in the following equation?

$$16 \text{ C } 24 \text{ A } 6 \text{ B } 28 \text{ D } 32 = ?$$

- A. 96
- B. 87
- C. 98
- D. 58

Q68 General Intelligence & Reasoning

HP 16 is related to JT 19 in a certain way. In the same way, CK 22 is related to EO 25. To which of the given options is MU 27 related, following the same logic?

- A. QV 29
- B. QZ 29
- C. OV 30
- D. OY 30

Q69 General Intelligence & Reasoning

Five people A, B, C, D and E are sitting in a row facing towards north. Only 2 people are sitting between A and D. B is sitting at the third position from extreme left of the row. B is sitting immediate right to A. B is sitting immediate left to E. Exactly how many people are sitting in between E and A?

- A. One
- B. None
- C. Three
- D. Two



Q70 General Intelligence & Reasoning

In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

CAKE - ACKE - EKAC
KING - IKNG - GNIK

A. POST - OPST - TSOP



B. MUTE - UMTE - EUTM

C. ROAD - ORAD - OADR

D. KEYS - KYES - SYEK

Q71 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

CWF59, FUK62, ISP65, ?

A. LRT68

B. LQU68



C. MRT69

D. MQU69

Q72 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. MSR

B. ELK



C. PVU

D. LRQ

Q73 General Intelligence & Reasoning

This question is based on the five, three-digit numbers given below.

(Left) 937, 228, 782, 175, 631 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

NOTE - All operations to be done from left to right.

What will be the resultant if the third digit of the highest number is added to the second digit of the lowest number?

A. 12

B. 10

C. 15

D. 14

**Q74 General Intelligence & Reasoning**

51 people are standing in a row facing north. Rohit is 19th from the left end while Anupam is 12th from the right end. How many people are there between Rohit and Anupam?

A. 18

B. 19

C. 20



D. 17

Q75 General Intelligence & Reasoning

Refer to the number series given below and answer the question that follows. Counting to be done from left to right only.

(NOTE: All numbers are single-digit numbers only.)

(Left) 2 3 6 7 3 1 4 2 3 1 3 1 4 8 8 1 7 4 8 8 9 2 7 2 8 1 3

(Right)

How many such odd numbers are there each of which is immediately preceded by an odd number and also immediately followed by an odd number?

A. 2

B. 3



C. 4

D. 5

Q76 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(5, 31, 6)

(3, 16, 5)

A. (3, 2, 7)

B. (6, 13, 2)



C. (4, 7, 2)

D. (1, 6, 4)



Q77 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

No student is a teacher.
No student is a carpenter.

Conclusion:

- (I) Some teachers are carpenters.
(II) Some students are teachers.

A. Both conclusions (I) and (II) follow

B. Only conclusion (II) follows

C. Only conclusion (I) follows

D. Neither conclusion (I) nor (II) follows

**Q78 General Intelligence & Reasoning**

MY 24 is related to HT 27 in a certain way. In the same way, BL 21 is related to WG 24. To which of the given options is KT 36 related, following the same logic?

A. GP 39

B. GO 39

C. FO 33

D. FO 39

**Q79 General Intelligence & Reasoning**

Rishika starts from point A and drives 49 km towards north. She then takes a left turn, drives 51 km, turns left and drives 54 km. She then takes a left turn and drives 64 km. She takes a final left turn, drives 5 km and stops at point P. How far (shortest distance) and towards which direction should she drive in order to reach point A again?

(Note: All turns are 90° turns only unless specified.)

A. 11 km to the east

B. 12 km to the west

C. 10 km to the west

D. 13 km to the west

**Q80 General Intelligence & Reasoning**

In a certain code language, 'give me bike' is coded as 'bn gt ry' and 'who know me' is coded as 'ry fh vt'. How is 'me' coded in that language?

A. ry



B. fh

C. vt

D. bn

General Awareness

20 Questions • Answer Key

Q81 General Awareness

Which Indian state launched a ₹50,000 incentive scheme in July 2025 for minority couples marrying through mass marriage events?

A. Karnataka



B. Kerala

C. Maharashtra

D. Tamil Nadu

Q82 General Awareness

What is the name of the portal launched by the Reserve Bank of India in May 2025 for the regulated entities (REs) to report details of their digital lending apps (DLAs)?

A. Centralised Information Management System (CIMS)



B. Regulated Entities Information Management System (REIMS)

C. Centralised Enterprise Management System (CEMS)

D. Digital Lending Apps Management System (DLAMS)

Q83 General Awareness

The 'March of Glory' book, released in March 2025, is co-authored by whom among the following?

A. Gideon Haigh and Michael Atherton

B. Errol D'Cruz and Boria Majumdar

C. Simon Barnes and K Arumugam

D. K Arumugam and Errol D'Cruz

**Q84 General Awareness**

Which event was held at Shri Hari Singh Thapa Sports College in Pithoragarh in 2025?

A. Boxing



B. Fencing

C. Judo

D. Wrestling



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Q85 General Awareness

Where is the company that developed the Surya VHF radar based?

- A. Hyderabad
- B. Bengaluru
- C. Pune
- D. Chennai

**Q86 General Awareness**

Dr. Duvvur Nageshwar Reddy received the Padma Vibhushan in 2025 for his contributions in which field?

- A. Public Affairs
- B. Medicine
- C. Trade and Industry
- D. Art

**Q87 General Awareness**

What was the total central government receipts (excluding borrowings) estimated at the Union Budget 2025-26?

- A. ₹34.96 lakh crore
- B. ₹38 lakh crore
- C. ₹30 lakh crore
- D. ₹40.26 lakh crore

**Q88 General Awareness**

The Supreme Court extended the stay on tree cutting in how many acres of land at Kancha Gachibowli in Hyderabad in April 2025?

- A. 100 acres
- B. 600 acres
- C. 200 acres
- D. 400 acres

**Q89 General Awareness**

What is the name of the pilot initiative launched by the Government of India in Sonbhadra, Uttar Pradesh on 24 June 2025, which is focused on vocational training for adolescent girls?

- A. DHARANI
- B. NAVYA
- C. MITRA
- D. AMRUTA

**Q90 General Awareness**

Who secured gold in the Women's Singles SU5 at the 2025 Asia Para Badminton Championship?

- A. Thulasimathi Murugesan
- B. Manisha Ramadass
- C. Palak Kohali
- D. Mandeep Kaur

**Q91 General Awareness**

In the Union Budget 2025-26, what was the amount allocated to the Ministry of Health and Family Welfare?

- A. ₹79,200 Crore
- B. ₹1,25,000 Crore
- C. ₹85,300 Crore
- D. ₹99,858.56 Crore

**Q92 General Awareness**

Where was the 2025 World Para Athletics Grand Prix held?

- A. Bengaluru
- B. Kolkata
- C. New Delhi
- D. Mumbai

**Q93 General Awareness**

China announced the launch of a new K Visa effective 1 October 2025, designed to attract which category of professionals?

- A. Tourism Investors
- B. Medical Researchers
- C. Cultural Artists
- D. STEM Graduates

**Q94 General Awareness**

In May 2025, which state/UT implemented the Stage I Graded Response Action Plan related to climate?

- A. Kerala
- B. Goa
- C. West Bengal
- D. Delhi-NCR



Q95 General Awareness

Indian boxer Nishant Dev secured his second professional win against which opponent in a Super Welterweight bout at Madison Square Garden Theatre, New York in June 2025?

A. Eduardo Ramirez

B. Victor Ortiz

C. Miguel Flores

D. Josue Silva

**Q96 General Awareness**

Which of the following missions marked the 100th launch of ISRO from India's Spaceport Sriharikota, boosting India's standing in space launch capability?

A. Launch of NVS-02 navigation satellite on GSLV-F15



B. Launch of INSAT-3DS weather satellite

C. Launch of Aditya-L1 solar observatory

D. Launch of Chandrayaan-3

Q97 General Awareness

How many seats did the Bharatiya Janata Party (BJP) win in the 2025 Bihar Assembly election?

A. 80

B. 89



C. 95

D. 105

Q98 General Awareness

INS Tamal, a state-of-the-art stealth multi-role frigate, which was commissioned by the Indian Navy on 1 July 2025, was built in _____.

A. Spain

B. Russia



C. Japan

D. South Africa

Q99 General Awareness

As announced in June 2025 by the Union Power and Urban Affairs Minister, what is the minimum temperature setting mandated for new air-conditioners in India?

A. 24°C

B. 16°C

C. 20°C



D. 28°C

Q100 General Awareness

Which state hosted the National Yoga Day Ceremony on 21 June 2025 with Prime Minister Narendra Modi as the chief guest?

A. Haryana

B. Andhra Pradesh



C. Gujarat

D. Bihar



General Science

25 Questions • Answer Key

Q1 General Science

Which of the following plant tissues allows the movement of materials in both directions?

A. Phloem



B. Sclerenchyma

C. Fibres

D. Xylem

Q2 General Science

Which of the following is a typical physical property of non-metals?

A. They are ductile and shiny like metals.

B. They are brittle and poor conductors of electricity.



C. They are malleable and sonorous.

D. They conduct heat and electricity well.

Q3 General Science

Which of the following is NOT a marine fish?

A. Rohu



B. Pomfret

C. Mackerel

D. Bhetki

Q4 General Science

Which of the following glands add their secretions to make easier transport and to provide nutrition for sperms?

A. Prostate only

B. Pineal

C. Seminal vesicles only

D. Prostate and seminal vesicles



Q5 General Science

A wire made of a certain material has a resistance of $12\ \Omega$ with length l and cross-sectional area A . What will be the resistance of another wire made of the same material but with length $l/3$ and cross-sectional area $2A$?

A. $4\ \Omega$

B. $1\ \Omega$

C. $0.5\ \Omega$

D. $2\ \Omega$



Q6 General Science

In human beings, how is the sex of a child determined?

A. By the difference in number of chromosomes inherited by the child

B. By the environmental conditions prevailing during development of the foetus

C. By the inheritance of an X chromosome from the mother

D. By the inheritance of X or Y chromosome from the father



Q7 General Science

If a book is lying on a table and is not moving, which of the forces are balanced?

A. Weight of the book and normal reaction by the table



B. Weight of the book and friction

C. Normal reaction and friction

D. Only the weight of the book acts

Q8 General Science

Three resistors of $12\ \Omega$, $6\ \Omega$ and $4\ \Omega$ are connected in parallel. The equivalent resistance is _____.

A. $0.05\ \Omega$

B. $1\ \Omega$

C. $22\ \Omega$

D. $2\ \Omega$



Q9 General Science

An object is placed 30 cm from a concave mirror of focal length 20 cm. Using the mirror formula, what will be the image distance?

A. -60 cm



B. -40 cm

C. -12 cm

D. -2.5 cm



Q10 General Science

Liquids are less compressible because:

- A. particles have moderate gaps** ✓
- B. their density is always less than solids
- C. they contain dissolved gases
- D. they have fixed mass always

Q11 General Science

When thrown in soil, which of the following substances will persist in the environment for a long time?

- A. Pieces of bread
- B. Mango seed
- C. Apple peel
- D. Broken glass pieces** ✓

Q12 General Science

Which of the polyatomic ion has 'n' value equal to 3?

- A. PO_4^{3-}** ✓
- B. CO_3^{2-}
- C. SO_4^{2-}
- D. HCO_3^-

Q13 General Science

A straight chain of three carbon atoms having no double bond and -OH functional group at first carbon atom is named:

- A. Propanol** ✓
- B. Propanal
- C. Propane
- D. Propanone

Q14 General Science

A ball is thrown upward with an initial velocity of 12 m/s. What will be its velocity after 1 second? (Take $g = 9.8 \text{ m/s}^2$)

- A. 2.2 m/s** ✓
- B. 12 m/s
- C. 0 m/s
- D. 21.8 m/s

Q15 General Science

What is the percentage of having a male child if the sex chromosomes of the father are XY and those of the mother are XX?

- A. 50%** ✓
- B. 75%
- C. 100%
- D. 25%

Q16 General Science

What is the chemical reaction involved in the preparation of Plaster of Paris from gypsum?

- A. $\text{CaSO}_4 \cdot 2\text{H}_2\text{O} + \text{heat} \rightarrow \text{CaSO}_4 + 2\text{H}_2\text{O}$
- B. $\text{CaSO}_4 \cdot \frac{1}{2}\text{H}_2\text{O} + \text{water} \rightarrow \text{CaSO}_4 \cdot 2\text{H}_2\text{O}$
- C. $\text{CaSO}_4 \cdot 2\text{H}_2\text{O} + \text{heat} \rightarrow \text{CaSO}_4 \cdot \frac{1}{2}\text{H}_2\text{O} + \frac{3}{2}\text{H}_2\text{O}$** ✓
- D. $\text{CaCO}_3 + \text{heat} \rightarrow \text{CaO} + \text{CO}_2$

Q17 General Science

Which of the following statements is/are correct regarding indicator?

- a. Turmeric is a natural indicator used for acid base titration.
- b. Phenolphthalein is colourless in basic medium and gives pink colour in acidic medium.
- c. Clove oil is categorised as olfactory indicator.

- A. b and c
- B. Only a
- C. a and c** ✓
- D. Only b

Q18 General Science

Which of the following is an example of complex permanent tissue?

- A. Collenchyma
- B. Aerenchyma
- C. Lateral meristem
- D. Phloem** ✓



Q19 General Science

Select the correct option with respect to the following statements.

Statement-1: Suspension is a homogeneous mixture.

Statement-2: The particles of a suspension can be seen by the naked eye.

Statement-3: The solute particles settle down when a suspension is left undisturbed, that is, a suspension is unstable.

A. Statement 1, 2 and 3 are incorrect

B. Statement 1 and 2 are correct

C. Statement 2 and 3 are correct



D. Statement 1, 2 and 3 are correct

Q20 General Science

What term describes the rapid to and fro motion of an object that is essential for producing sound?

A. Rarefaction

B. Refraction

C. Vibration



D. Compression

Q21 General Science

Read the given statements and select the most appropriate option.

Statement 1: Mirror formula is applicable to both concave and convex mirrors, provided the sign convention is followed.

Statement 2: The validity of Mirror formula depends on the size of the object.

A. Both the statements 1 and 2 are not correct.

B. Only statement 2 is correct.

C. Only statement 1 is correct.



D. Both the statements 1 and 2 are correct.

Q25 General Science

A force F acts on a body of mass (m) producing acceleration (a). If the force is $3F$ and mass of the body is reduced to $m/2$. What is the the value of new acceleration in terms of ' a '?

A. a

B. $a/2$

C. $6a$



D. $a/6$

Q22 General Science

Match the following nature and role of metallic oxides.

Column A (Substance)	Column B (Role in Reaction)
A. CuO	1. Salt formed in reaction
B. HCl	2. Acid reacting with basic oxide
C. CuCl_2	3. Basic oxide reacting with acid
D. H_2O	4. Neutralisation product

A. A - 4; B - 1; C - 2; D - 3

B. A - 3; B - 2; C - 1; D - 4



C. A - 3; B - 4; C - 1; D - 2

D. A - 2; B - 3; C - 4; D - 1

Q23 General Science

The fluid content inside the plasma membrane, which also contains many specialised cell organelles, is called:

A. vacuoplasm

B. cytoplasm



C. plasmin

D. nucleoplasm

Q24 General Science

Work done by a constant force depends on which of the following?

A. Mass of the object

B. Displacement only

C. Both force and displacement, and the angle between them



D. Magnitude of force only



Q26 Mathematics

A typist takes 40 minutes to type 2 pages. How many pages will he type in 60 minutes?

A. 3



B. 2

C. 5

D. 4

Q27 Mathematics

The income of Raman is ₹91,700. He saves 20% of his income. If his income increases by 19% and expenditure increases by 35%, then his savings will:

A. increase by ₹8,255

B. decrease by ₹8,252

C. increase by ₹8,249

D. decrease by ₹8,253

**Q28 Mathematics**

A typist takes 40 minutes to type 4 pages. How long (in minutes) will he take to type 111 pages?

A. 1115

B. 1100

C. 1110



D. 1120

Q29 Mathematics

If 20% of a number is added to 72, then the result is the same number. 70% of the same number is:

A. 93

B. 63



C. 73

D. 83

Q30 Mathematics

Nisha buys a gold ring for her mother. The ring is marked at ₹88,000 and is offered with two successive discounts of 25% and Z%, respectively. After receiving both discounts, she pays ₹33,000. Find the value of Z.

A. 49

B. 50



C. 48

D. 51

Q31 Mathematics

A, B and C can individually do a piece of work in 2 days each. How long (in days) will they take to do thrice the same work, working together?

A. 4

B. 3

C. 2



D. 6

Q32 Mathematics

Two banks, A and B, offered loans at 3.5% and 7.5% per annum, respectively. Sachin borrowed an amount of ₹2,00,000 from each bank. Find the positive difference (in ₹) between the amounts of simple interest paid to the two banks by Sachin after 4 years.

A. 32,000



B. 31,500

C. 33,000

D. 33,500

Q33 Mathematics

Smart Bazaar is offering 'Buy 2, Get 8 free' on household items. What is the net percentage discount being offered by the Smart Bazaar?

A. 78%

B. 82%

C. 80%



D. 83%

Q34 Mathematics

If 5 men and 2 women can reap 48 hectares in 3 days, and if 3 men and 1 woman can reap 54 hectares in 6 days, then how many women must assist 6 men to reap 378 hectares in 14 days?

A. 9

B. 5



C. 3

D. 7



Q35 Mathematics

In a pouch containing blue, yellow and orange tokens, the ratio of blue to yellow tokens was 5 : 2, while the ratio of orange to blue tokens was 11 : 18. What was the ratio of orange to yellow tokens?

A. 63 : 39

B. 51 : 32

C. 55 : 36



D. 59 : 40

Q36 Mathematics

A shopkeeper has ₹10 and ₹5 notes totaling ₹350. If he has 45 notes in total, how many ₹10 notes does he have?

A. 29

B. 31

C. 25



D. 27

Q37 Mathematics

The ages of Amit and Geeta are in the ratio 6: 5, and the sum of their ages is 44 years. Find Amit's age.

A. 28 years

B. 24 years



C. 20 years

D. 30 years

Q38 Mathematics

The sides of a triangle are 34 cm, 88 cm, and 78 cm. What is the length of its altitude corresponding to the side with a length of 88 cm?

A. 19 cm

B. 30 cm



C. 79 cm

D. 9 cm

Q39 Mathematics

A cricketer has an average of 88 runs over 10 innings. If he scores 219 runs in the 11th inning, by how many runs (rounded off to the nearest whole number) does his average score increase?

A. 2

B. 6

C. 19

D. 12

**Q40 Mathematics**

Train P going at a speed of 72 km/hr completely passes train Q of length 393 m, going in the same direction on parallel tracks at 42 km/hr, in 1.5 minutes. How much time (in seconds) will train P take to completely cross train R of length 468 m, going at 63 km/hr in the opposite direction?

A. 24

B. 32

C. 10

D. 22

**Q41 Mathematics**

If each of the length, breadth and height of a cuboid is doubled, its total surface area becomes _____ the original total surface area.

A. 2 times

B. 3 times

C. 4 times



D. 8 times

Q42 Mathematics

Raghu's ratio of income to expenditure is 2 : 1. His income increased by 30% and expenditure decreased by 10%. If the initial expenditure was ₹35,000, find his final saving (in ₹).

A. 68,500

B. 58,500

C. 69,500

D. 59,500

**Q43 Mathematics**

A triangular garden has vertices at coordinates A(2, 3), B(8, 11), and C(14, 7). A landscape designer wants to plant flowers covering exactly half of this triangular area. What area should be covered with flowers?

A. 12 square units

B. 36 square units

C. 18 square units



D. 24 square units



Q44 Mathematics

Prabhddeep buys 60 identical pens for ₹900. She sells 45 of them at a profit of 20% and the remaining at a loss of 40%. What is the total profit or loss percentage on the whole transaction?

A. 5% profit ☒

B. 5% loss

C. 9% profit

D. 9% loss

Q45 Mathematics

A speed of 126 km/hr is the same as:

A. 32 m/sec

B. 30 m/sec

C. 37 m/sec

D. 35 m/sec ☒**Q46 Mathematics**

If $x + y = 10$ and $xy = 24.96$, then find the value of $(x - y)^2$.

A. 0.16 ☒

B. 1.69

C. 0.49

D. 2.25

Q47 Mathematics

What is the third proportional of $75x^2$ and $30xy$?

A. $13y^2$ B. $12y^2$ ☒C. $11y^2$ D. $9y^2$ **Q48 Mathematics**

The arithmetic mean of the observations 61, 33, 94, 48, 36, 93, 73, 94 and 53 is:

A. 61

B. 56

C. 71

D. 65 ☒**Q49 Mathematics**

Expression $\sqrt{\frac{1 + \sin\theta}{1 - \sin\theta}}$ is equal to:

A. $\sec\theta - \cot\theta$ B. $\sec\theta + \tan\theta$ ☒C. $\sec\theta - \tan\theta$ D. $\operatorname{cosec}\theta + \cot\theta$ **Q50 Mathematics**

Find the value of $\frac{2}{3} \div \frac{12}{11}$ of $8\frac{1}{4} + 4\frac{1}{7} - 5\frac{1}{2} \times 1\frac{1}{7} + 5\frac{1}{3}$.

A. $\frac{131}{17}$ B. $\frac{617}{189}$ ☒C. $\frac{511}{105}$ D. $\frac{389}{53}$ 

Q51 General Intelligence & Reasoning

If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', then what will come in place of the question mark (?) in the following equation?

$$7\ B\ 6\ C\ 3\ D\ 24\ A\ 4 = ?$$

A. 39



B. 36

C. 38

D. 37

Q52 General Intelligence & Reasoning

Riya starts from point A and drives 34 km towards south. She then takes a right turn, drives 46 km, turns right and drives 51 km. She then takes a right turn and drives 67 km. She takes a final right turn, drives 17 km and stops at point P. How far (shortest distance) and towards which direction should she drive in order to reach point A again?

(Note: All turns are 90° turns only unless specified.)

A. 18 km to the east

B. 20 km to the west

C. 19 km to the east

D. 21 km to the west

**Q53** General Intelligence & Reasoning

M, N, O, P, W, X and Y are sitting around a circular table facing the centre of the table.

W sits third to the left of O. X sits second to the left of Y. O is the immediate neighbour of both N and X. P is not an immediate neighbour of W.

How many people sit between M and X when counted from the right of M?

A. Two



B. Four

C. Three

D. One

Q54 General Intelligence & Reasoning

Mr. Akai starts from Point A and drives 9 km towards south. He then takes a left turn, drives 7 km, turns left and drives 21 km. He then takes a left turn and drives 18 km. He takes a final left turn, drives 12 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified)

A. 7 km to the north

B. 11 km to the west

C. 7 km to the east

D. 11 km to the east

**Q55** General Intelligence & Reasoning

Refer to the following series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 2 8 2 2 9 9 9 4 6 4 9 7 9 6 5 1 8 6 6 1 6 6 2 7 5 2 7
(Right)

How many such even numbers are there each of which is immediately preceded by an odd number and also immediately followed by an odd number?

A. 4

B. 3

C. 1

D. 2

**Q56** General Intelligence & Reasoning

Refer to the given series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 3 6 5 4 1 2 5 8 9 7 4 5 6 (Right)

How many such odd digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

A. One



B. Two

C. Three

D. Four



Q57 General Intelligence & Reasoning

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

MKD : IJG

PTF : LSI

A. YUN : UTQ



B. JHE : FFH

C. OPA : KOC

D. NKH : JJJ

Q58 General Intelligence & Reasoning

Hiten ranked 39th from the top and 24th from the bottom in his class. How many students are there in his class?

A. 61

B. 63

C. 62



D. 60

Q59 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

SAT OWP KSL GOH ?

A. CKI

B. CDK

C. CKD



D. COK

Q60 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

All books are pens.

Some pens are erasers.

Conclusions:

(I) All erasers are pens.

(II) Some books are erasers.

A. Only II follows

B. Only I follows

C. Both I and II follow

D. Neither I nor II follows

**Q61 General Intelligence & Reasoning**

Six animals, Bear, Fox, Giraffe, Lion, Panda and Tiger, are sitting around a circular table facing the centre. Fox is an immediate neighbour of both Tiger and Bear. Tiger is sitting second to the left of Lion. Giraffe is sitting second to the left of Panda. Who is sitting between Lion and Tiger, when counted from the left of Lion?

A. Panda

B. Fox

C. Giraffe



D. Bear

Q62 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

DRA120, OCL102, ZNW84, KYH66, ?

A. UJS48

B. VJT48

C. VAS48

D. VJS48

**Q63 General Intelligence & Reasoning**

IK 6 is related to KF -10 in a certain way. In the same way, GI 8 is related to ID -8. To which of the given options is RT 12 related, following the same logic?

A. UO -5

B. TO -4



C. TP -4

D. SO -5

Q64 General Intelligence & Reasoning

EFJL is related to HKMQ in a certain way based on the English alphabetical order. In the same way, QZVF is related to TEYK. To which of the given options is ZOEU related, following the same logic?

A. CTHU

B. CTHZ



C. CHZW

D. CHTY



Q65 General Intelligence & Reasoning

What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$22 - 13 \div 21 \times 39 + 48 = ?$$

A. -19



B. -18

C. -21

D. -17

Q66 General Intelligence & Reasoning

In a certain code language, 'store what matters' is coded as 'bf yt xc' and 'don't store it' is coded as 'hd ip xc'. How is 'store' coded in the given language?

(All codes are two-letter codes)

A. bf

B. ip

C. hd

D. xc

**Q67 General Intelligence & Reasoning**

If 'A' stands for '÷', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark (?) in the following equation?

$$5 D 4 C 40 B 3 A 1 = ?$$

A. 125

B. 121



C. 127

D. 123

Q68 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(16, 256, 16)

(9, 81, 9)

A. (12, 144, 10)

B. (25, 625, 20)

C. (8, 64, 8)



D. (4, 16, 6)

Q69 General Intelligence & Reasoning

A, B, C, D, E and F are sitting around a circular table facing the centre. C sits second to the left of E. A sits second to the right of D. F is on the immediate right of A. Who is sitting on the immediate right of B?

A. A

B. D

C. C



D. E

Q70 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

321 323 327 333 341 ?

A. 351



B. 353

C. 349

D. 355

Q71 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. CL – JO



B. UD – AG

C. BK – HN

D. LU – RX

Q72 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

351 335 319 303 287 ?

A. 275

B. 273

C. 269

D. 271



Q73 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All foxes are cats.
No cat is a bear.

Conclusions:

(I): No fox is a bear.
(II): Some bears are cats.

A. Only conclusion (I) follows



B. Only conclusion (II) follows

C. Both conclusions (I) and (II) follow

D. Neither conclusion (I) nor (II) follows

Q74 General Intelligence & Reasoning

Seven boxes, A, B, C, D, I, J, and K, are kept one over the other, but not necessarily in the same order. Only two boxes are kept between A and C. Only B is kept above K. No box is kept below C. J is kept at some place below D but at some place above I. Which box is kept third above I?

A. C

B. A

C. D



D. K

Q75 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

3 6 11 18 ?

A. 18

B. 24

C. 22

D. 27

**Q76 General Intelligence & Reasoning**

In a certain code language, 'VALE' is coded as '6318' and 'OVAL' is coded as '3761'. What is the code for 'O' in the given code language?

A. 6

B. 7



C. 1

D. 3

Q77 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. RD – OI

B. KQ – HV

C. MT – JZ



D. SV – PA

Q78 General Intelligence & Reasoning

This question is based on the five, three-digit numbers given below.

(Left) 741 753 789 761 745 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

What will be the resultant if the second digit of the second highest number is added to the third digit of the lowest number?

A. 8

B. 7



C. 11

D. 6

Q79 General Intelligence & Reasoning

In a certain code language,

A ? B means 'A is the daughter of B',

A = B means 'A is the son of B',

A @ B means 'A is the father of B' and

A √ B means 'A is the sister of B'.

How is C related to L if 'C = D @ E √ F ? L'?

A. Husband

B. Son



C. Brother

D. Father



Q80 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 4 8 2 8 2 3 8 3 1 3 9 1 7 3 9 7 6 2 6 6 6 8 2 (Right)

How many such even numbers are there, each of which is immediately preceded by an even number and also immediately followed by an odd number?

A. Four

B. Three

C. Two

D. One

**General Awareness**

20 Questions • Answer Key

Q81 General Awareness

Neeraj Chopra won the Ostrava Golden Spike javelin event in June 2025 with what distance?

A. 85.29 m



B. 86.50 m

C. 84.10 m

D. 87.00 m

Q82 General Awareness

Which country won the most medals at the 2025 World Athletics Championships?

A. USA



B. Kenya

C. China

D. Great Britain

Q83 General Awareness

Which of the following is India's rank among the most polluted countries of the world as of IQ Air Report 2024?

A. 3

B. 5



C. 7

D. 9

Q84 General Awareness

Saweety Boora, the Indian World Championships gold medalist and Arjuna Award recipient in 2025, is associated with which sport?

A. Boxing



B. Badminton

C. Weightlifting

D. Wrestling

Q85 General Awareness

According to Reporters Without Borders (RSF) World Press Freedom Index 2025, which country topped the index released in May 2025?

A. Finland

B. Switzerland

C. Norway



D. Estonia

Q86 General Awareness

Which religious communities are covered under Karnataka's ₹50,000 incentive scheme for mass marriages in July 2025?

A. Only Muslim and Christian

B. Muslim, Christian, Jain, Buddhist, Parsi and Sikh



C. Hindu and Buddhist

D. Only SC/ST



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Q87 General Awareness

As per Union Budget 2025–26, how much corpus has been allocated to the Ministry of Science and Technology to finance private-sector-led research, development, and innovation?

A. ₹20,000 crore



B. ₹35,000 crore

C. ₹50,000 crore

D. ₹25,000 crore

Q88 General Awareness

Who was appointed as Chairperson of the Economic Advisory Council to the Prime Minister (EAC-PM) in June 2025?

A. S Mahendra Dev



B. Suman Bery

C. Arun Kumar

D. Bibek Debroy

Q89 General Awareness

The Waqf (Amendment) Act, 2025 mandates the representation of how many Muslim women on Waqf boards?

A. One

B. Two



C. Three

D. Four

Q90 General Awareness

Which of the following countries is the venue for the 2025 Esports World Cup?

A. Dubai

B. Berlin

C. Riyadh



D. Beijing

Q91 General Awareness

According to Envstats India 2025, what was the inland fish production in 2023-24?

A. 139.07 lakh tonnes



B. 112.77 lakh tonnes

C. 79.83 lakh tonnes

D. 147.23 lakh tonnes

Q92 General Awareness

Which of the following states has become the first in India to use face recognition linked to Aadhaar for ration delivery in July 2025?

A. Uttarakhand

B. Haryana

C. Himachal Pradesh



D. Punjab

Q93 General Awareness

What is the name of India's automated Air Defence Control and Reporting System, designed to detect, track, and neutralise enemy aircraft, drones, and missiles in May 2025?

A. Akashbhed

B. Naag

C. Agnidhar

D. Akashteer

**Q94 General Awareness**

How many years of service is the IMD celebrating in 2025?

A. 175 years

B. 100 years

C. 150 years



D. 125 years

Q95 General Awareness

In April 2025, the World Bank and International Monetary Fund (IMF) held their Spring Meetings in which U.S. city?

A. Washington, D.C.



B. Los Angeles

C. Miami

D. Chicago

Q96 General Awareness

As per the India Justice Report, 2025, which is the only state in India to meet all three (SC, ST and OBC) quotas in both the police and judiciary?

A. Karnataka



B. Chhattisgarh

C. Kerala

D. Assam



Q97 General Awareness

Which Indian beach hosted the amphibious landing phase of Tiger Triumph 2025?

- A. Kanyakumari
- B. Kakinada
- C. Puri
- D. Juhu



Q98 General Awareness

As of June 2025, who among the following is NOT the Chief Minister of any state in India?

- A. Himanta Biswa Sarma
- B. Nara Chandrababu Naidu
- C. Bhajan Lal Sharma
- D. Kalvakuntla Chandrashekar Rao



Q99 General Awareness

Which global cybersecurity company collaborated with the Indian Computer Emergency Response Team (CERT-In) to launch the Digital Threat Report 2024 for the Banking, Financial Services, and Insurance (BFSI) sector in April 2025?

- A. SISA
- B. Kaspersky Labs
- C. McAfee International
- D. Norton CyberSecure



Q100 General Awareness

What long-term wireless milestone did IIT Hyderabad and Japan's SSIC achieve as of May 2025?

- A. 5G broadcast TV
- B. Test of Beyond 5G and 6G SDR SoC
- C. Prototype 7G
- D. 100 Gbps laser satellites



General Science

25 Questions • Answer Key

Q1 General Science

For fertilization, the pollen grain should land on which suitable part of the flower?

- A. Petal
- B. Stigma
- C. Filament
- D. Sepal



Q2 General Science

Which of the following pairs correctly matches the device with its main use?

- A. Megaphone – Listening to heartbeat
- B. Stethoscope – Directing sound to a large audience
- C. Horn – Measuring blood pressure
- D. Horn – Amplifying musical sound



Q3 General Science

Which of the following substance is inert and simply persist in the environment for a long time and harm various members of the eco-system?

- A. Tea leaves
- B. Disposable plastic cups
- C. Disposable paper cups
- D. Tea clay kullhads



Q4 General Science

A train is travelling at a speed of 180 km/hr. Brakes are applied so as to produce a uniform acceleration of (-1 m/s^2). What will be the distance covered by the train before coming to rest?

- A. 16,200 m
- B. 1250 m
- C. 1620 m
- D. 125 m



Q5 General Science

Which statement accurately describes the characteristics of protons in an atom?

- A. They revolve around the nucleus in fixed orbits.
- B. They are located in the nucleus of an atom.
- C. They have negligible mass compared to electrons.
- D. They are negatively charged particles.



Q6 General Science

Which of the following is a heterogeneous mixture?

- A. Soil
- B. Sugar solution
- C. Air
- D. Vinegar



Q7 General Science

Asexual reproduction has differences from sexual reproduction. Which of the following is NOT representing asexual reproduction?

- A. Regeneration
- B. Binary fission
- C. Involvement of both male and female reproductive parts
- D. Fragmentation



Q8 General Science

Which of the following describes the nature of the average speed?

- A. It is a scalar quantity (only magnitude).
- B. It can be negative.
- C. It is a vector quantity (magnitude and direction).
- D. It is always equal to or less than the average velocity.



Q9 General Science

Which activity shows that particles of matter are continuously moving?

- A. Sugar settling at the bottom of a glass of water
- B. Ice melting at room temperature
- C. Fragrance of perfumes spreading in a room
- D. Water being heated to its boiling point



Q10 General Science

Predict the elements corresponding to the following numbers of protons and neutrons.

A: 20 protons and 20 neutrons

B: 19 protons and 20 neutrons

A. A: Magnesium, B: Potassium

B. A: Calcium, B: Potassium ✓

C. A: Calcium, B: Magnesium

D. A: Potassium, B: Calcium

Q11 General Science

Which part of the brain controls involuntary actions such as blood pressure, salivation, and vomiting?

A. Thalamus

B. Cerebrum

C. Medulla oblongata ✓

D. Cerebellum

Q12 General Science

Which of the following statements is correct?

A. Work can be done without displacement.

B. Work is independent of displacement.

C. Work requires both force and displacement. ✓

D. Work can be done without force.

Q13 General Science

The filament of an electric bulb is made of tungsten because it:

A. has a high resistance and can withstand high temperatures ✓

B. is cheap

C. is a good conductor

D. has a low melting point

Q14 General Science

Which of the following simple permanent tissues have its cell walls lignified?

A. Sclerenchyma ✓

B. Phloem

C. Parenchyma

D. Collenchyma

Q15 General Science

Anodising is typically performed on which metal?

A. Zinc

B. Copper

C. Aluminium ✓

D. Steel

Q16 General Science

An object placed between F and 2F of a convex lens forms an image _____.

A. Beyond 2F, real, inverted, and enlarged ✓

B. Between F and the lens, virtual, erect, and diminished

C. At 2F, real, inverted, and diminished

D. At infinity, real, inverted and same size

Q17 General Science

Which of the following statements about the physical properties of non-metals is correct?

A. Non-metals have high density and high melting points.

B. Non-metals are generally brittle in solid state. ✓

C. Non-metals are malleable and ductile.

D. Non-metals are good conductors of electricity.

Q18 General Science

In the process of binary fission in unicellular organisms such as bacteria and protozoa, which of the following is least likely to occur?

A. No need for a second parent

B. Formation of identical daughter cells

C. Rapid population increase under favourable conditions

D. Unequal partition of genetic material ✓

Q19 General Science

Which gland in the human body secretes the growth hormone?

A. Pituitary gland ✓

B. Thyroid gland

C. Pancreas

D. Adrenal gland



Q20 General Science

Which of the following statements is/are true about villi in the small intestine?

Statements:

A: Increase surface area for absorption

B: Contain blood vessels

C: Help in excretion

D: Absorb digested nutrients

A. Only Statement B

B. Only Statements A, B, and D

C. Only Statements A, B and C

D. Only Statement A

Q21 General Science

The heat produced in a conductor due to the flow of current does NOT depend on _____.

A. duration of current flow.

B. direction of current.

C. resistance for a given current.

D. amount of current.

Q22 General Science

The hydrophilic end of a soap molecule is:

A. ionic and interacts with water

B. neutral and non-polar

C. non-ionic and soluble in water

D. non-ionic and soluble in oil

Q23 General Science

Which of the following phenomena is responsible for the blue colour of a clear sky?

A. Scattering

B. Reflection

C. Dispersion

D. Refraction

Q24 General Science

If a person weighing 600 N stands on two feet with a total contact area of 0.05 m^2 , the pressure exerted on the sand is:

A. 12,000 Pa

B. 600 Pa

C. 300 Pa

D. 30,000 Pa

Q25 General Science

Which of the following reactions correctly represents the synthesis of bleaching powder?

A. $2\text{Ca}(\text{OH})_2 + 2\text{NaCl} \rightarrow \text{CaOCl}_2 + \text{CaCl}_2 + 2\text{NaOH} + \text{H}_2\text{O}$

B. $2\text{Ca}(\text{OH})_2 + 2\text{Cl}_2 \rightarrow \text{CaOCl}_2 + \text{CaCl}_2 + \text{H}_2\text{O}$

C. $2\text{Ca}(\text{OH})_2 + 2\text{NaCl} \rightarrow \text{Ca}(\text{OCl})_2 + \text{CaCl}_2 + 2\text{H}_2\text{O}$

D. $2\text{Ca}(\text{OH})_2 + 2\text{Cl}_2 \rightarrow \text{Ca}(\text{ClO})_2 + \text{CaCl}_2 + 2\text{H}_2\text{O}$

Mathematics

25 Questions • Answer Key

Q26 Mathematics

During a New Year sale, a company gives 'Buy 9 Sweaters and Get 3 Free' offer to customers. The percentage discount involved in this deal is:

A. 30%

B. 27%

C. 25%

D. 23%

Q27 Mathematics

The age of a mother 8 years ago from now was five times the age of her daughter. After 2 years from now, the mother's age will be thrice that of her daughter. Find the ratio of the present age of mother to daughter.

A. 15 : 8

B. 17 : 8

C. 29 : 9

D. 22 : 9



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Q28 Mathematics

₹3,787 is divided among A, B, C and D in such a way that the shares of A and B, B and C, and C and D are in the ratios of 4 : 5, 4 : 5, and 6 : 7, respectively. The share of A (in ₹) is:

A. 708

B. 628

C. 672



D. 604

Q29 Mathematics

In $\triangle ABC$, $BD \perp AC$ at D and $\angle DBC = 72^\circ$. E is a point on BC such that $\angle CAE = 71^\circ$. What is the measure of $\angle AEB$?

A. 88°

B. 92°

C. 93°

D. 89°

**Q30 Mathematics**

If $2a + b + c = 0$ and $8a^3 + b^3 + c^3 = kabc$, then find the value of k^2 .

A. 16

B. 36



C. 25

D. 49

Q31 Mathematics

A cricketer has an average of 55 runs over 5 innings. If he scores 166 runs in the 6th inning, by how many runs (rounded off to the nearest whole number) does his average score increase?

A. 8

B. 18

C. 19



D. 10

Q32 Mathematics

A certain sum of money triples itself in 8 years on simple interest. In how many years it will be four times?

A. 12



B. 11

C. 13

D. 10

Q33 Mathematics

The sum of two numbers is 25. One of the numbers exceeds the other by 9. Find the numbers.

A. 11 and 14

B. 10 and 15

C. 17 and 8



D. 16 and 9

Q34 Mathematics

A shopkeeper bought 20 kg of apples for ₹3,600 and sold them at the rate of ₹220/kg. How much profit (in ₹) did he gain?

A. 600

B. 700

C. 800



D. 750

Q35 Mathematics

A person spent ₹14,000 on groceries, ₹8,000 on house rent, ₹10,000 on children's school fees and the remaining 20% of the total income was kept as cash with him. Find his income.

A. ₹40,000



B. ₹52,000

C. ₹46,000

D. ₹50,000

Q36 Mathematics

A, B and C can do a piece of work in 2, 8 and 8 days, respectively. How long (in days) will they take to do thrice the same work, working together?

A. 4



B. 12

C. 8

D. 5

Q37 Mathematics

Sakshi goes to a shopping mall at a speed of 36 km/hr and returns at a speed of 24 km/hr. Find her average speed (in km/hr) for the entire journey.

A. 23.5

B. 37.8

C. 36.4

D. 28.8



Q38 Mathematics

Three numbers are in the ratio 7 : 20 : 8 and the sum of these numbers is 4830. Find the middle number.

- A. 2761
- B. 2763
- C. 2760
- D. 2759

**Q39 Mathematics**

Two cars start from the same point and travel in the same direction. If one car travels at 55 km/hr and the other at 72 km/hr, how far apart will they be after 3 hours?

- A. 45 km
- B. 61 km
- C. 51 km
- D. 57 km

**Q40 Mathematics**

7 men or 6 women can do a job in 15 days. 7 men work for 8 days and leave. The number of women required to complete the remaining work in 6 days is:

- A. 6
- B. 7
- C. 10
- D. 8

**Q41 Mathematics**

A shopkeeper declares the following three schemes of discounts. Which scheme is the most beneficial to a customer?

- A. Buy 5 items and get 22 of the same items free
- B. Two successive discounts of 13% and 38%
- C. Two successive equal discounts of 21%

- A. Only C
- B. Only A
- C. Only B
- D. A and C both

**Q45 Mathematics**

Simplify: $(24 - 6 \times 3) + 18 \div 3 \times 2$

- A. 12
- B. 30
- C. 24
- D. 18

**Q42 Mathematics**

The cost of a washing machine is 20% less than the cost of a TV. If the cost of the washing machine increases by 45% and that of the TV decreases by 38%, then what is the percentage change in the total cost of 5 washing machines and 4 TVs?

- A. Increase by 2.5%
- B. Decrease by 10%
- C. Decrease by 9%
- D. Increase by 3.5%

**Q43 Mathematics**

A garrison of 1,206 men has provisions for 24 days. How long (in days) will the provisions last if the garrison is increased to 1,809 men?

- A. 18
- B. 15
- C. 17
- D. 16

**Q44 Mathematics**

A metallic sphere of radius 36 cm is dropped into a cylindrical vessel, which is partly filled with water. The diameter of the vessel is 4.8 metres. If the sphere is completely submerged, find by how much the surface of the water will rise.

- A. 1.08 cm
- B. 2.82 cm
- C. 2.08 cm
- D. 1.82 cm



Q46 Mathematics

If the mode of the data 12, 9, 10, 12, 13, $(2K - 2)$, 13, 19, 15 and 17 is 12, then find the value of K.

A. 7



B. 8

C. 6

D. 5

Q47 Mathematics

If 50% of 80% of $\frac{1}{2}$ of a number is 442, find the number.

A. 1480

B. 3630

C. 2210



D. 3530

Q48 Mathematics

The volume of a solid cylinder is $34,650 \text{ cm}^3$. If the height is 25 cm, then the circumference of the base is:

(Use $\pi = \frac{22}{7}$)

A. 132 cm



B. 121 cm

C. 128 cm

D. 135 cm

Q49 Mathematics

If $\tan A = \frac{6}{7}$, find the value of $\frac{7\sin A + 2\cos A}{7\sin A - 2\cos A}$.

A. 2



B. 5

C. $-\frac{19}{5}$

D. $\frac{9}{5}$

Q50 Mathematics

The value of $\frac{(0.12)^2 + (0.123)^2 + (0.1234)^2}{(0.012)^2 + (0.0123)^2 + (0.01234)^2}$ is:

A. 100



B. 1000

C. 1

D. 10



Q51 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. EGC

B. BEZ



C. SUQ

D. ZBX

Q52 General Intelligence & Reasoning

Mayank starts from point A and drives 45 km towards south. He then takes a left turn, drives 46 km, turns left and drives 54 km. He then takes a left turn and drives 63 km. He takes a final left turn, drives 9 km and stops at point P. How far (shortest distance) and towards which direction should he drive in order to reach point A again?

(Note: All turns are 90° turns only unless specified.)

A. 16 km to the east

B. 15 km to the west

C. 17 km to the east



D. 14 km to the west

Q53 General Intelligence & Reasoning

Five people, A, B, C, D and E, are sitting in a row, facing north. A sits fourth from the right end of the line. Only one person sits between B and D. D is not an immediate neighbour of A. How many people sit between A and D?

A. 2



B. 0

C. 3

D. 1

Q54 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

56 76 96 116 136 ?

A. 153

B. 156



C. 154

D. 152

Q55 General Intelligence & Reasoning

This question is based on the five, three-digit numbers given below.

(Left) 658 223 661 257 666 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

(NOTE - All operations to be done from left to right.)

What will be the resultant if the second digit of the highest number is added to the third digit of the lowest number?

A. 11

B. 12

C. 9



D. 14

Q56 General Intelligence & Reasoning

This question is based on the five, three-digit numbers given below.

(Left) 437 504 395 482 273 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

Note: All operations to be done from left to right.

What will be the resultant if the third digit of the highest number is added to the second digit of the lowest number?

A. 12

B. 11



C. 9

D. 10

Q57 General Intelligence & Reasoning

Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north. Only one person sits to the right of E. Only three people sit between G and E. Only three people sit between A and D, neither of whom sits on the left end. F sits immediately to the right of C. Only one person sits between A and B. Who sits second to the left of C?

A. E

B. G



C. D

D. A



Q58 General Intelligence & Reasoning

Six people, A, B, C, D, E and F, are sitting in a row, facing north. A sits to the immediate right of E. B sits fourth to the left of E. Only one person sits between B and F. C sits to the immediate left of F. D sits second to the left of A. Three of the following four are alike in a certain way based on the given arrangement and thus form a group. Which is the one that does not belong to that group?

A. DE

B. CF

C. FD

D. BA

**Q59 General Intelligence & Reasoning**

If + means $\times$, $\times$ means $\div$, $\div$ means $+$, then what will come in place of the question mark (?) in the following equation?

$$18 - 13 \div 15 + 82 \times 2 = ?$$

A. 205

B. 206

C. 208



D. 207

Q60 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

253 243 234 ? 219 213

A. 225

B. 226



C. 223

D. 224

Q61 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All teachers are professionals.

All professionals are doctors.

Conclusions:

(I): Some doctors are teachers.

(II): All teachers are doctors.

A. Both conclusions (I) and (II) follow



B. Only conclusion (I) follows

C. Only conclusion (II) follows

D. Neither conclusion (I) nor (II) follows

Q62 General Intelligence & Reasoning

LHGV is related to QFVT in a certain way based on the English alphabetical order. In the same way, VDAR is related to ABFP. To which of the following is FZKN related, following the same logic?

A. KXPL



B. JWOM

C. JZQK

D. LYQK

Q63 General Intelligence & Reasoning

Seven boxes, A, D, E, M, N, Q and S, are kept one over the other, but not necessarily in the same order.

N is kept second from the bottom. Only three boxes are kept between N and A. Q is kept at one of the positions below N. Only D is kept between A and S. E is kept at one of the positions above A.

How many boxes are kept between M and A?

A. One

B. Two



C. Four

D. Three



Q64 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

TLD, WOG, ZRJ, CUM, ?

A. FYP

B. FYQ

C. FXP



D. FXQ

Q65 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

LEX 14, OHA 23, RKD 32, UNG 41, XQJ 50, ?

A. AQM 59

B. ATM 59



C. AMT 59

D. ATM 57

Q66 General Intelligence & Reasoning

Girish ranked 16th from the top and 26th from the bottom in his class. How many students are there in the class?

A. 40

B. 30

C. 35

D. 41

**Q67 General Intelligence & Reasoning**

Rajen starts from point A and drives 54 km towards east. He then takes a right turn, drives 56 km, turns right and drives 56 km. He then takes a right turn and drives 65 km. He takes a final right turn, drives 2 km and stops at point P. How far (shortest distance) and towards which direction should he drive in order to reach point A again?

(Note: All turns are 90° turns only unless specified.)

A. 9 km to the south



B. 8 km to the south

C. 7 km to the north

D. 6 km to the north

Q68 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

342 352 360 366 370 ?

A. 376

B. 372



C. 374

D. 378

Q69 General Intelligence & Reasoning

In a certain code language, 'ZEST' is coded as '4875' and 'BEST' is coded as '5781'. What is the code for 'Z' in the given code language?

A. 8

B. 7

C. 4



D. 5

Q70 General Intelligence & Reasoning

GQ 14 is related to EN 16 in a certain way. In the same way, KU 22 is related to IR 24. To which of the following is OY 27 related, following the same logic?

A. MV 29



B. PU 28

C. PT 29

D. MR 29

Q71 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions is/are true.

Statements:

No Pianos are Guitars.

All Guitars are Violins.

Some Violins are Drums.

Conclusions:

(I) Some Pianos are Violins.

(II) Some Guitars are Drums.

A. Only conclusion (II) is true.

B. Only conclusion (I) is true.

C. Both conclusions (I) and (II) are true.

D. Neither conclusion (I) nor (II) is true.



Q72 General Intelligence & Reasoning

MH 10 is related to FA 20 in a certain way. In the same way, PK 9 is related to ID 18. To which of the given options is UP 7 related, following the same logic?

- A. SP 14
- B. XP 12
- C. DE 12
- D. NI 14

**Q73 General Intelligence & Reasoning**

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- A. RSO
- B. KLH
- C. UWR
- D. ABX

**Q74 General Intelligence & Reasoning**

In a certain code language, 'TIME' is coded as '5046' and 'MINE' is coded as '4609'. What is the code for 'N' in the given code language?

- A. 0
- B. 6
- C. 4
- D. 9

**Q75 General Intelligence & Reasoning**

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(8, 26, 48)
(10, 28, 50)

- A. (21, 3, 25)
- B. (7, 25, 46)
- C. (25, 43, 65)
- D. (9, 27, 48)

**Q76 General Intelligence & Reasoning**

In a certain code language,
P + Q means 'P is the father of Q',
P # Q means 'P is the wife of Q',
P & Q means 'P is the brother of Q' and
P % Q means 'P is the sister of Q'.

How is C related to K if 'C # A + V & G # K'?

- A. Wife's sister
- B. Husband's mother
- C. Wife's mother
- D. Wife's father

**Q77 General Intelligence & Reasoning**

What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$208 - 117 \times 9 \div 5 + 215 = ?$$

- A. 55
- B. 59
- C. 58
- D. 53

**Q78 General Intelligence & Reasoning**

If + means -, - means x, x means ÷, and ÷ means +, then what will come in place of the question mark (?) in the following equation?

$$205 - 3 \div 262 + 212 \times 4 = ?$$

- A. 824
- B. 822
- C. 825
- D. 823

**Q79 General Intelligence & Reasoning**

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 1 8 1 5 3 8 5 2 5 2 3 3 7 4 4 5 2 7 8 7 2 (Right)

How many such odd digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

- A. Four
- B. One
- C. Three
- D. Two



Q80 General Intelligence & Reasoning

Refer to the following series and answer the question (all numbers are single digit numbers only). (Counting to be done from left to right only.)

(Left) 7 5 2 1 1 6 6 9 8 6 1 7 1 1 9 6 7 3 6 9 9 8 1 (Right)

How many such odd digits are there each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

A. Four



B. Two

C. Three

D. One

General Awareness

20 Questions • Answer Key

Q81 General Awareness

Coco Gauff won the women's singles title at the French Open held in June 2025. She represents which country?

A. The United Kingdom

B. Australia

C. The United States of America



D. Canada

Q82 General Awareness

In June 2025, who was awarded the United Nations Sasakawa Award 2025 for Disaster Risk Reduction, for exceptional contributions to tropical cyclone forecasting and warning systems?

A. SK Satheesh

B. Bhupendra Nath Goswami

C. Veerabhadran Ramanathan

D. Mrutyunjay Mohapatra

**Q83 General Awareness**

How much percentage of the rural population has access to all-season roads in India in the Sustainable Development Report 2025?

A. 95.6%

B. 89.9%

C. 93.7%

D. 99.0%

**Q84 General Awareness**

In July 2025, the Defence Research and Development Organisation successfully executed flight tests of the Unmanned Aerial Vehicle Launched Precision Guided Missile (ULPGM)-V3 at the National Open Area Range testing facility in _____.

A. Kurnool, Andhra Pradesh



B. Hyderabad, Telangana

C. Chennai, Tamil Nadu

D. Bengaluru, Karnataka

Q85 General Awareness

In which city was the AI Action Summit, 2025, held in February, 2025?

A. New York City, USA

B. Paris, France



C. Seoul, South Korea

D. London, United Kingdom

Q86 General Awareness

In June 2025, the Multi-Purpose Decontamination System technology was transferred to which companies?

A. Bharat Electronics Ltd and Tata Advanced Systems Ltd

B. Dass Hitachi Ltd and Goma Engineering Pvt Ltd



C. BEML Ltd and Bharat Electronics Ltd

D. Bharat Forge and Metaltech Motor Bodies Pvt Ltd



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Q87 General Awareness

Who among the following co-authored the book "Original Sin" published in May 2025?

A. Jake Tapper & Alex Thompson



B. P D James & Gideon Haigh

C. Kathryn Paige Harden & K Arumugam

D. Dan Brown & Errol D'Cruz

Q88 General Awareness

At which of the following institutes did Dr. V Narayanan, Chairman, Indian Space Research Organisation (ISRO), launch a new research centre on 17 March 2025 to promote self-reliance in advanced space technologies?

A. Indian Institute of Technology Bombay (IIT Bombay)

B. Indian Institute of Technology Kanpur (IIT Kanpur)

C. Indian Institute of Technology Guwahati (IIT Guwahati)

D. Indian Institute of Technology Madras (IIT Madras)

**Q89 General Awareness**

The Parliament of India passed the Immigration and Foreigners Bill in April _____.

A. 2025



B. 2024

C. 2023

D. 2021

Q90 General Awareness

The Ministry of Home Affairs (MHA) notified new rules for cancelling Overseas Citizens of India registration in August 2025. Under which Act are these rules issued?

A. Indian Penal Code, 1860

B. Passport Act, 1967

C. Citizenship Act, 1955



D. Foreigners Act, 1946

Q91 General Awareness

Which organisation launched the 'Bharatpol' platform in 2025 to facilitate communication between the Indian police and Interpol?

A. Central Bureau of Investigation (CBI)



B. Securities and Exchange Board of India (SEBI)

C. National Informatics Centre (NIC)

D. National Bank for Agriculture and Rural Development (NABARD)

Q92 General Awareness

According to Centre for Legal Action and Behaviour Change (C-LAB's) June 2025 report, which Indian state reported the highest number of child labour rescues in 2024-25?

A. Bihar

B. Uttar Pradesh

C. Telangana



D. Rajasthan

Q93 General Awareness

In September 2025, which ministry organised the Swachh Vayu Sarvekshan Awards and Wetland Cities Recognition Ceremony?

A. Ministry of Environment, Forest and Climate Change



B. Ministry of Jal Shakti

C. Ministry of Agriculture and Farmers' Welfare

D. Ministry of Housing and Urban Affairs

Q94 General Awareness

Who won the Sahitya Akademi Award 2025 for writing on exploring the tribal voices of Jharkhand in rural Indian society?

A. Ruskin Bond

B. Parvati Tirkey



C. Perumal Murugan

D. Geetanjali Shree

Q95 General Awareness

As per the Union Budget 2025-26, how much enhanced credit has been allocated to farmers, fishermen and dairy farmers via KCC (Kisan Credit Card)?

A. ₹6 lakhs

B. ₹4 lakhs

C. ₹3 lakhs

D. ₹5 lakhs



Q96 General Awareness

Which of the following financial organisations was awarded for the digital initiatives 'Pravaah' and 'Sarathi' in March 2025?

- A. Securities and Exchange Board of India (SEBI)
- B. National Payments Corporation of India (NPCI)
- C. Reserve Bank of India (RBI) ✓
- D. National Bank for Agriculture and Rural Development (NABARD)

Q97 General Awareness

On 18 October 2025, Defense Minister Rajnath Singh and UP Chief Minister Yogi Adityanath jointly flagged off the first batch of BrahMos missiles from the BrahMos Integration and Testing Facility Centre in _____.

- A. Lucknow ✓
- B. Agra
- C. Ghaziabad
- D. Kanpur

Q98 General Awareness

How many para-athletes received the Arjuna Award in January 2025?

- A. 12
- B. 15
- C. 20
- D. 17 ✓

Q99 General Awareness

On 17 January 2025, how many athletes were honoured with the Major Dhyan Chand Khel Ratna award?

- A. 4 ✓
- B. 3
- C. 2
- D. 7

Q100 General Awareness

What historic milestone did Sajan Prakash achieve before receiving the Arjuna Award in 2024?

- A. Youngest Indian swimmer to qualify for Olympics
- B. First Indian swimmer to win an Olympic medal
- C. First Indian swimmer to breach the FINA "A" qualification time ✓
- D. Only swimmer to compete in both Summer and Commonwealth Games



General Science

25 Questions • Answer Key

Q1 General Science

From the collected samples of the following solutions from the science laboratory, the correct acid-base pair may be categorised as:

- A. magnesium hydroxide $[Mg(OH)_2]$ and ammonium hydroxide (NH_4OH)
- B. acetic acid (CH_3COOH) and sodium hydroxide $(NaOH)$ ✓
- C. sulphuric acid (H_2SO_4) and nitric acid (HNO_3)
- D. calcium hydroxide $[Ca(OH)_2]$ and potassium hydroxide (KOH)

Q2 General Science

The discovery of which subatomic particle led to the development of Thomson's model?

- A. Electron ✓
- B. Neutron
- C. Positron
- D. Proton

Q3 General Science

Which of the following is NOT an example of a heterogeneous mixture?

- A. Vinegar ✓
- B. Sand and salt
- C. Sand and sugar
- D. Water in oil

Q4 General Science

The correct order of reactivity of the following metals is:

K, Mg, Al, Zn

- A. $Zn > Mg > Al > K$
- B. $Mg > K > Zn > Al$
- C. $K > Al > Mg > Zn$
- D. $K > Mg > Al > Zn$ ✓

Q5 General Science

Which of the following is NOT a membrane bound organelle in eukaryotic cells?

- A. Lysosome
- B. Chromoplast
- C. Vacuole
- D. Ribosome ✓

Q6 General Science

If the velocity of an object changes from an initial value u to the final value v in time (t) , then what will be the acceleration (a) ?

- A. $a = (v - u) \times t$
- B. $a = t/(v - u)$
- C. $a = (v - u)/t$ ✓
- D. $a = v/(u - t)$

Q7 General Science

Which of the following statements about sexual reproduction in animals is correct?

- A. Fertilisation in animals always occurs outside the female body.
- B. Sexual reproduction involves only one parent and produces identical offspring.
- C. All animals reproduce sexually during their entire life span.
- D. Sexual reproduction involves the fusion of male and female gametes. ✓

Q8 General Science

In a running race, a boy starts at rest and reaches 60 m/s velocity in 5 min. If acceleration is uniform, the acceleration and distance covered by the boy during this period are _____ and _____, respectively.

- A. 20 m/s² and 9 km
- B. 0.2 m/s² and 600 m
- C. 0.2 m/s² and 9 km ✓
- D. 12 m/s² and 9000 m



Q9 General Science

Which of the following cells change shape by changing the amount of water in them?

- A. Smooth muscle cell
- B. Cardiac muscle cell
- C. Striated muscle cell
- D. Plant cell

**Q10 General Science**

Why clove oil is used as an olfactory indicator?

- A. Different colour effervescences are observed in acidic and basic medium.
- B. Vigorous fuming of different colours is observed in acidic and basic medium.
- C. It gives a different colour in acidic and basic medium.
- D. It gives a different smell in acidic and basic medium.

**Q11 General Science**

Which metal is placed at the starting of the reactivity series?

- A. Aluminium
- B. Gold
- C. Potassium
- D. Iron

**Q12 General Science**

During inheritance studies, how many copies of the factor was proposed by Mendel, which was controlling traits present in sexually reproducing organisms?

- A. Three
- B. Two
- C. Four
- D. One

**Q13 General Science**

If a current of 4 A flows through a resistor of 50 Ω for 8 minutes, the heat produced is _____.

- A. 288 kJ
- B. 192 kJ
- C. 384 kJ
- D. 96 kJ

**Q14 General Science**

Which type of compound is formed when sodium reacts with chlorine?

- A. Metallic compound
- B. Covalent compound
- C. Coordinate compound
- D. Ionic compound

**Q15 General Science**

Two resistors, R_1 and R_2 , are connected in parallel. Their equivalent resistance is 5 Ω . When one of them is removed, the resistance of the circuit increases to 10 Ω . Which of the following is the correct value of the other resistor?

- A. 20 Ω
- B. 15 Ω
- C. 10 Ω
- D. 5 Ω

**Q16 General Science**

Which of the following statements is NOT correct?

- A. Reverberation is common in large halls with hard walls.
- B. Excessive reverberation can disturb speech.
- C. Reverberation helps improve clarity of sound.
- D. Reverberation occurs due to multiple reflections of sound.

**Q17 General Science**

The centre of curvature of a concave mirror is:

- A. The midpoint of the mirror's aperture
- B. The point on the principal axis where image of an object at infinity is formed
- C. The geometric centre of the spherical surface of which the mirror is a part
- D. The point where parallel rays of light meet after reflection

**Q18 General Science**

Ozone protects the Earth from _____ radiation of the sun.

- A. infrared
- B. ultraviolet
- C. cosmic
- D. gamma



Q19 General Science

Which of the following statements is true about ligaments?

- A. Ligaments connect bones to bones and are very elastic with little matrix. ✓
- B. Ligaments are not highly flexible connective tissues connecting two bones.
- C. Ligaments do not connect bones to bones and are very elastic.
- D. Ligaments connect muscles to bones and are highly flexible.

Q20 General Science

How does surface area affect the rate of evaporation?

- A. Smaller surface area increases evaporation
- B. Larger surface area increases evaporation. ✓
- C. Surface area has no effect
- D. Evaporation only occurs with liquids in closed containers

Q21 General Science

Which of the following is parenchyma type and present in aquatic plants, with large air cavities to help them float?

- A. Companion cell
- B. Tracheid
- C. Chlorenchyma
- D. Aerenchyma. ✓

Q22 General Science

Which of the following instruments is NOT based on Archimedes' principle?

- A. Ammeter. ✓
- B. Submarine
- C. Lactometer
- D. Hydrometer

Q23 General Science

Contraceptive devices such as the loop or the copper-T are placed in which part of the human body?

- A. Heart
- B. Ovary
- C. Uterus. ✓
- D. Kidney

Q24 General Science

A convex lens produces a magnification of (-2) , when an object is placed at a distance X cm from it. If the image distance is 40 cm, then what is the value of X ?

- A. -80 cm
- B. $+80$ cm
- C. $+20$ cm
- D. -20 cm. ✓

Q25 General Science

If the speed of an object is doubled, its kinetic energy _____.

- A. remains the same
- B. becomes half
- C. becomes four times. ✓
- D. becomes double

Mathematics

25 Questions • Answer Key

Q26 Mathematics

₹3,596 is to be divided among three persons M, N and T. If the shares of M and N are in the ratio $6 : 8$ and that of N and T are in the ratio $9 : 6$, what is the share (in ₹) of N?

- A. 1,489
- B. 1,486
- C. 1,488. ✓
- D. 1,487

Q27 Mathematics

If 20% of a number is added to 96, then the result is the same number. 80% of the same number is:

- A. 96. ✓
- B. 126
- C. 116
- D. 106



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Q28 Mathematics

One pipe can fill a tank in 8 minutes, while another pipe can empty the completely filled tank in 16 minutes. If both the pipes are opened together when the tank is empty, how many minutes will it take to fill one-half of the tank?

A. 9

B. 8



C. 16

D. 17

Q29 Mathematics

2 pens and 3 pencils cost ₹35, and 3 pens and 2 pencils cost ₹40. Find the cost of 3 pencils.

A. ₹18

B. ₹12

C. ₹30

D. ₹15

**Q30 Mathematics**

A shopkeeper buys a toy for ₹200 and sells it for ₹280. What is his profit percentage?

A. 40%



B. 35%

C. 30%

D. 45%

Q31 Mathematics

The arithmetic mean of the observations 35, 26, 56, 41, 56, 46, 34, 16 and 68 is:

A. 42



B. 39

C. 43

D. 50

Q32 Mathematics

A dealer marks his goods at 50% above the cost price and allows a discount of 52% on the marked price. What is his loss percentage?

A. 27%

B. 28%



C. 26%

D. 29%

Q33 Mathematics

The mother of two sons is 20 years older than her elder son. Five years from now, the elder son will be twice as old as the younger son, and the ratio of their current ages is 3 : 1. What is the current age (in years) of the mother?

A. 25

B. 30

C. 40

D. 35

**Q34 Mathematics**

The price of fuel decreases by 35%, 60% and 10% in three successive months but increases by 65% in the fourth month. What is the percentage increase/decrease in the price of fuel in the fourth month as compared to its original price?

A. Increases by 63.54%

B. Increases by 67.46%

C. Decreases by 60.08%

D. Decreases by 61.39%

**Q35 Mathematics**

Find the smallest number to be added to 1000 so that 45 divides the sum exactly.

A. 30

B. 35



C. 25

D. 10

Q36 Mathematics

Zubeda's income is ₹1,20,000. She spends 20% on accommodation, 35% on household expenses, and 25% on other activities. She saves the remaining amount. What are her total savings?

A. ₹26,000

B. ₹30,000

C. ₹24,000



D. ₹29,000



Q37 Mathematics

The cost price of a box of marker is ₹3,300. The shopkeeper gives 75% of discount on the cost price. What will be the selling price (in ₹)?

- A. 883
- B. 865
- C. 812
- D. 825

**Q38 Mathematics**

A solid wooden cuboid of dimensions 60 cm × 45 cm × 30 cm is cut completely into smaller cubes of side 5 cm each. Find the number of smaller cubes formed.

- A. 584
- B. 920
- C. 622
- D. 648

**Q39 Mathematics**

Two banks, A and B, offered loans at 3.5% and 7.5% per annum, respectively. Nirmal borrowed an amount of ₹2,40,000 from each bank. Find the positive difference (in ₹) between the amounts of simple interest paid to the two banks by Nirmal after 2 years.

- A. 20,200
- B. 20,700
- C. 19,200
- D. 18,700

**Q40 Mathematics**

Which of the following ratios is equivalent to 5 : 3?

- A. 125 : 85
- B. 50 : 30
- C. 48 : 33
- D. 53 : 31

**Q41 Mathematics**

A hole can empty a full tank in 1 hour. To maintain the level of water in the tank, 3 filling pipes of equal efficiency are required. How many more such filling pipes are required so that an empty tank gets filled in 3 hours?

- A. 3
- B. 0
- C. 2
- D. 1

**Q42 Mathematics**

Two trains, 163 m and 117 m long, are moving in the same direction at speeds of 93 km/hr and 33 km/hr, respectively. How much time will the faster train take to completely cross the slower one?

- A. 16.8 second
- B. 15 seconds
- C. 18 seconds
- D. 8 seconds

**Q43 Mathematics**

P is any point inside the rectangle ABCD. If PA = 87 cm, PB = 12 cm and PC = 96 cm, then the length of PD (in cm) is equal to:

- A. 130
- B. 126
- C. 124
- D. 129

**Q44 Mathematics**

A byke travels 80 km at the speed of 40 km/hr and the next 30 km at the speed of 10 km/hr. What is its average speed (in km/hr)?

- A. 16
- B. 28
- C. 22
- D. 26



Q45 Mathematics

The radius of a road roller is 1 m, and its length is $\frac{21}{22}$ m. When it is rolled on the ground, it takes 600 rolls to level the entire ground.

However, it was found that on 10% of the ground, the roller rolled twice. What is the total area (in sq.m) of the ground?

(Use $\pi = \frac{22}{7}$, and round off your answer to two decimal places)

A. 3200.75

B. 3272.73

C. 3460.25

D. 3287.43

**Q46 Mathematics**

Simplify $\frac{(64x^2 - 49)}{8x - 7} - 8x$.

A. $16x + 7$

B. $-16x$

C. $8x + 7$

D. 7

**Q47 Mathematics**

The value of $\frac{((0.66)^3 - (0.22)^3)}{((0.66)^2 + 0.1452 + (0.22)^2)}$ is:

A. 100

B. 0.44

C. 1

D. 10

**Q48 Mathematics**

If $\operatorname{cosec} A = \frac{5}{4}$, then the value of $\sin 2A + 2\cos 2A$ is:

A. $\frac{2}{5}$

B. $\frac{4}{5}$

C. $\frac{9}{5}$

D. $\frac{7}{5}$

**Q49 Mathematics**

A set of data is given, the mean of the set is 40 while the median is set as 70. Find the mode of the data.

A. 110

B. 130

C. 140

D. 120



Q50 Mathematics

The simplified value of the expression $[(18 + 6) \div 3 \times 2 - 4] \times [5 + 3^2] - 2 \times (8 - 3)$ is:

A. 148

B. 152

C. 158



D. 162

General Intelligence & Reasoning

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

If 'E' stands for '+', 'F' stands for '-', 'G' stands for 'x' and 'H' stands for '÷', what will come in place of question mark '?' in the following equation?

$$50 \text{ E } 36 \text{ H } 6 \text{ F } 8 \text{ G } 2 = ?$$

A. 44

B. 38

C. 42

D. 40

**Q52 General Intelligence & Reasoning**

Refer to the following series and answer the question (all numbers are single digit numbers only). Counting to be done from Left to Right only.

(Left) 5 8 7 7 6 3 5 4 8 8 6 2 5 9 2 7 2 4 4 9 9 (Right)

How many such odd digits are there each of which is immediately preceded by a perfect square and also immediately followed by an odd digit?

A. One



B. Two

C. Three

D. Four

Q53 General Intelligence & Reasoning

Six people, A, B, C, D, E and F, are sitting in a row, facing north. Only two people sit to the left of E. Only one person sits between A and C. F sits to the immediate left of E. A sits to the immediate right of D. C sits third to the right of B. Who sits at the extreme left end of the row?

A. B



B. E

C. D

D. C

Q54 General Intelligence & Reasoning

Refer to the following number and symbol series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 1 5 7 8 = 6 9 2 + 5 7 3 % 7 8 \$ 4 1 5 # 8 @ & 4 9 6
(Right)

How many such symbols are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

A. Two

B. Four

C. One



D. Three

Q55 General Intelligence & Reasoning

All 20 students in a class are standing in a row facing north. Raveena is 10th from the right end while Deepa is 4th from the left end. How many people stand between Raveena and Deepa?

A. 6



B. 8

C. 5

D. 7



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Q56 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All hammers are jacks.
All hammers are metals.

Conclusions:

- (I) Some jacks are metals.
(II) All metals are hammers.

- A. Only conclusion (II) follows.
B. Only conclusion (I) follows. ✓
C. Both conclusions (I) and (II) follow.
D. Neither conclusion (I) nor (II) follows.

Q57 General Intelligence & Reasoning

WPGB is related to AKKW in a certain way based on the English alphabetical order. In the same way, MVWH is related to QQAC. To which of the following options is YGIS related, following the same logic?

- A. CBNJ
B. CBMJ
C. CBMN ✓
D. CNJI

Q58 General Intelligence & Reasoning

Town P is to the west of Town Q. Town R is to the north of Town P. Town S is to the east of Town R. Town T is to the south of Town S. Town Q is to the southeast of Town T. What is the position of Town P with respect to Town T?

- A. Southeast
B. Southwest ✓
C. Northeast
D. Northwest

Q59 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

88 91 97 106 118 ?

- A. 125
B. 131
C. 135
D. 133 ✓

Q60 General Intelligence & Reasoning

In a certain code language, 'shirt mug care' is coded as 'eu cp zi' and 'zebra shirt ghost' is coded as 'cp eb il'. How is 'shirt' coded in the given language?

- A. eu
B. eb
C. zi
D. cp ✓

Q61 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All teas are golds.
No tea is a helmet.

Conclusions:

- (I): Some helmets are golds.
(II): All golds are helmets.

- A. Only conclusion (II) follows
B. Only conclusion (I) follows
C. Neither conclusion (I) nor (II) follows ✓
D. Both conclusions (I) and (II) follow

Q62 General Intelligence & Reasoning

Refer to the following number, symbol series and answer the question. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 3 & 6 © 3 6 © € % 6 & 4 9 5 4 % € £ \$ % 9 1 (Right)
How many such numbers are there each of which is immediately preceded by a symbol and also immediately followed by a symbol?

- A. 4
B. 2 ✓
C. 3
D. 1



Q63 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(5, 28, 15)
(29, 102, 17)

A. (7, 34, 10)

B. (4, 20, 5)

C. (47, 142, 3)

D. (37, 115, 1)

Q64 General Intelligence & Reasoning

Refer to the given series and answer the question that follows (all numbers are single digit numbers only).
Counting to be done from left to right only.

(Left) 5 6 6 4 1 8 4 9 6 4 9 7 2 2 7 1 4 1 8 7 3 (Right)

How many such odd digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

A. 3

B. 2

C. 1

D. 4

Q65 General Intelligence & Reasoning

In a certain code language,

P + Q means 'P is the mother of Q',

P # Q means 'P is the sister of Q',

P & Q means 'P is the brother of Q' and

P % Q means 'P is the father of Q'.

How is D related to W if 'D & E # F % L & W'?

A. Father's brother

B. Father's mother

C. Mother's brother

D. Mother's father

Q66 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

CER121, IKX98, OQD75, UWJ52, ?

A. ACP29

B. ADP29

C. BCP29

D. ACQ29

Q67 General Intelligence & Reasoning

Seven people, A, B, C, D, E, F and G, are sitting in a row, facing the north.

Only two people sit to the left of A. Only three people sit between A and G. D sits second to the right of A. Only two people sit between D and C. E sits at some place to the right of F but at some place to the left of B.

How many people sit to the right of C?

A. 5

B. 3

C. 4

D. 2

Q68 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. KP – ML

B. RJ – TF

C. DM – FI

D. LS – JO

Q69 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. IL – FI

B. MP – JM

C. OR – LO

D. QT – NP



Q70 General Intelligence & Reasoning

If 'A' stands for '+', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', then what will come in place of the question mark (?) in the following equation?

$$441 \text{ D } 444 \text{ C } 21 \text{ A } 21 \text{ B } 441 = ?$$

A. 450

B. 438



C. 525

D. 665

Q71 General Intelligence & Reasoning

Seven boxes M, N, O, P, Q, R and S are kept one over the other but not necessarily in the same order. Only two boxes are kept between M and O. Only N is kept above S. No box is kept below O. R is kept at some place below P but at some place above Q. Which box is kept third above Q?

A. P



B. S

C. N

D. M

Q72 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

$$221 \ 223 \ 227 \ 233 \ 241 \ ?$$

A. 253

B. 255

C. 251



D. 249

Q73 General Intelligence & Reasoning

VK 12 is related to ZP 16 in a certain way. In the same way, RG 15 is related to VL 19. To which of the following is MB 24 related, following the same logic?

A. PJ 28

B. SG 29

C. PH 29

D. QG 28

**Q74 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

$$273 \ 274 \ 266 \ 267 \ 259 \ 260 \ ?$$

A. 251

B. 250

C. 252



D. 253

Q75 General Intelligence & Reasoning

Seven people B, C, D, I, J, K, and L are sitting around a circular table facing the centre of the table. L sits third to the left of I. Only one person sits between K and B, when counted from the left of B. C sits third to the right of D. C sits to the immediate right of L. J is not an immediate neighbour of L. How many people sit between J and B, when counted from the right of J?

A. Four

B. Two

C. Three



D. One

Q76 General Intelligence & Reasoning

Aditya starts from Point A and drives 10 km towards the north. He then takes a right turn, drives 10 km, turns right and drives 20 km. He then takes a right turn and drives 10 km. He takes a final right turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only, unless specified.)

A. 3 km towards west

B. 9 km towards south

C. 7 km towards east

D. 7 km towards north

**Q77 General Intelligence & Reasoning**

If 'A' stands for '+', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark (?) in the following equation?

$$36 \text{ B } 39 \text{ A } 39 \text{ D } 48 \text{ C } 20 = ?$$

A. 7

B. 8



C. 10

D. 9



Q78 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

QCW, SDU, UES, WFQ, ?

A. XHO

B. YHP

C. YGO



D. XGP

Q79 General Intelligence & Reasoning

In the following triad, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

SINK - ISNK - KISN
PLAY - LPAY - YLPA

A. WAIT - WIAT - TIAW

B. READ - ERAD - DERA



C. YOUR - OYUR - OURY

D. NAME - ANME - EAMN

Q80 General Intelligence & Reasoning

A group of numbers/symbols is coded using letter codes as per the codes given below and the conditions that follow. The correct combination of codes following the conditions is your answer.

Note: If none of the conditions apply, then the codes for the respective number/symbol are to be followed directly as given in the table.

Numbers/symbols	%	6	2	8	*	3	&	7	@	9	\$	5	+	4
Codes	U	G	W	D	F	K	L	S	V	B	E	J	H	C

Conditions:

(i) If the first element is a symbol and the last element a perfect square, the codes for these two (the first and last elements) are to be interchanged.

(ii) If both the second and third elements are symbols, the third element is to be coded as the code for the second element.

(iii) If the first element is a symbol and the fourth element is an odd number, the first and fourth elements are to be coded as ©.

What will be the code for the following group?

% 5 * 7 \$

A. E J F S U

B. © J F S ©

C. © J F © E



D. U J J S E

General Awareness

20 Questions • Answer Key

Q81 General Awareness

What is the new upper limit for no personal income tax payable under the new tax regime as per Union Budget 2025-26?

A. ₹11 lakh

B. ₹12 lakh



C. ₹13 lakh

D. ₹10 lakh

Q82 General Awareness

The 10th Governing Council Meeting of NITI Aayog on 24 May 2025 was held in which city of India?

A. New Delhi



B. Surat

C. Jaipur

D. Mumbai



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Q83 General Awareness

Which of the following two countries hosted the Second G20 Anti-Corruption Working Group in June 2025?

- A. India and South Africa
- B. South Africa and Germany
- C. Indonesia and Brazil
- D. Brazil and South Africa ✓

Q84 General Awareness

In 2025, which ministry of the Government of India organised Swachh Vayu Sarvekshan for ranking air quality in Indian cities?

- A. Ministry of Finance
- B. Ministry of Home Affairs
- C. Ministry of Education
- D. Ministry of Environment ✓

Q85 General Awareness

Which Indian Navy ships took part in Operation Brahma in March 2025?

- A. INS Vikrant and INS Arihant
- B. INS Chennai and INS Kesari
- C. INS Satpura and INS Savitri ✓
- D. INS Vikramaditya and INS Vishal

Q86 General Awareness

In 2025, why did National Bank for Agriculture and Rural Development (NABARD) and Indian Council of Agricultural Research (ICAR) sign an agreement?

- A. To study city temperatures
- B. To improve farming that can handle climate change ✓
- C. To train people for emergencies
- D. To launch online banking websites

Q87 General Awareness

Who set a new world record by becoming the first man to cross 75 metres in discus throw at the World Athletics Continental Tour in Ramona, April 2025?

- A. Robert Harting
- B. Kristjan Čeh
- C. Gerd Kanter
- D. Mykolas Alekna ✓

Q88 General Awareness

What was the name of the new Indian Army Research Cell inaugurated at IIT Madras in August 2025?

- A. Agnipath
- B. Agnivira
- C. Agnishodh ✓
- D. Agni Kavach

Q89 General Awareness

The Indian Navy's home-built Shivalik-class stealth frigate equipped with guided missiles that took part in the JAIMEX-25 naval exercise held from 16 to 18 October 2025 was _____.

- A. INS Shivalik
- B. INS Sahyadri ✓
- C. INS Kolkata
- D. INS Satpura

Q90 General Awareness

Which of the following has been declared a Tiger Reserve in 2025?

- A. Madhav Tiger Reserve ✓
- B. Ranipur Tiger Reserve
- C. Dholpur – Karauli Tiger Reserve
- D. Parambikulam Tiger Reserve

Q91 General Awareness

What is the name of India's proposed space station?

- A. Bharatiya Antariksh Station ✓
- B. Indian Orbital Base Station
- C. ISRO Sky Lab Station
- D. Vyom Station

Q92 General Awareness

On which date was World Malaria Day 2025 observed with the theme Malaria Ends with Us: Reinvest, Reimagine, Reignite?

- A. April 10
- B. April 25 ✓
- C. May 5
- D. March 22



Q93 General Awareness

With which government did the Ministry of Environment, Forest and Climate Change sign a Memorandum of Cooperation on Joint Crediting Mechanism (JCM) under Article 6.2 of the Paris Agreement on Climate Change, in August 2025?

A. Japan



B. Brazil

C. Belgium

D. Germany

Q94 General Awareness

As of July 2025, what was the total quantity of narcotics seized in Jammu & Kashmir since 2018, under the Narcotic Drugs and Psychotropic Substances Act (NDPSA)?

A. 27,000 kg

B. 87,713 kg

C. 19,353 kg

D. 1,12,000 kg

**Q95 General Awareness**

In 2025, which of the following new mottos was adopted by the Lokpal of India?

A. Integrity is Strength

B. Fight Corruption, Build Nation

C. Transparency for All

D. Empower Citizens, Expose Corruption

**Q96 General Awareness**

In which city were the Khelo India Para Games 2025, a significant event under the Khelo India scheme, held?

A. Kolkata

B. Chennai

C. New Delhi



D. Mumbai

Q97 General Awareness

Who among the following was awarded the Arjuna Award in 2025 for their performance in para-athletics?

A. Harmanpreet Singh

B. Manu Bhaker

C. Gukesh D

D. Deepthi Jeevanji

**Q98 General Awareness**

As per the Economic Survey 2024–25, which scheme electrified over 18,000 villages in rural India?

A. Deen Dayal Upadhyaya Gram Jyoti Yojana (DDUGJY)



B. Ujwal Discom Assurance Yojana (UDAY)

C. Pradhan Mantri Nayi Roshni Yojana (PMNRY)

D. Unnat Jyoti by Affordable LEDs for All (UJALA)

Q99 General Awareness

Which Paralympic swimmer won a Laureus award in 2025 for disability sport?

A. Chloe Kim

B. Jiang Yuyan



C. Anna Grimaldi

D. Yuto Horigome

Q100 General Awareness

In June 2025, with which of the following countries did Kolkata-based Garden Reach Shipbuilders and Engineers Limited (GRSE) sign an MoU to build the India's first ever Polar Research Vessel (PRV) indigenously?

A. Norway



B. Malta

C. Belgium

D. Austria



General Science

25 Questions • Answer Key

Q1 General Science

In the spectrum formed by dispersion of sunlight through a prism, which colour deviates the most?

- A. Red
- B. Green
- C. Violet
- D. Yellow



Q2 General Science

Which of the following glands secretes growth hormones in human beings?

- A. Pituitary gland
- B. Thyroid
- C. Pineal gland
- D. Pancreas



Q3 General Science

Rekha swims in a 40-metre-long pool. She swims from one end to the other and comes back, covering 80 metres in one minute along a straight path. What is her average velocity?

- A. 80 m/min
- B. 0 m/min
- C. 20 m/min
- D. 40 m/min



Q4 General Science

Which of the following best demonstrates that there is a space between particles of matter?

- A. A rubber band stretches
- B. A piece of chalk breaks easily
- C. Ice melts into water
- D. Sugar dissolves in water



Q5 General Science

Which of the following statements correctly describes the direction of conventional electric current?

- A. From the positive terminal to the negative terminal of a cell
- B. The same as the direction of the electrons' flow
- C. From the negative terminal to the positive terminal of a cell
- D. The direction is random and charges flow in a constant way



Q6 General Science

The blades of a windmill rotate because of which of the following?

- A. Sound energy
- B. Elastic energy
- C. Light energy
- D. Wind's kinetic energy



Q7 General Science

Which of the following explains the absence of recessive traits in the F_1 generation and their reappearance in the F_2 generation in Mendel's experiment?

- A. Recessive alleles are hidden in F_1 but reappear in F_2 due to segregation.
- B. Recessive traits skip generations randomly
- C. Recessive traits become dominant in F_2 generation.
- D. Recessive traits are completely destroyed in the F_1 generation



Q8 General Science

A potential difference of 6 V is applied across the two ends of a conducting wire of resistance $R \Omega$. What will be the value of R if the current flowing through the wire is 2 A?

- A. $\frac{1}{3}$
- B. $\frac{1}{12}$
- C. 12
- D. 3



Q9 General Science

A force of 50 N acts perpendicular to a surface of area 0.1 m². What are the values of thrust and pressure exerted on the surface?

- A. Thrust = 25.0 N ; Pressure = 100.0 Pa
- B. Thrust = 50.0 N ; Pressure = 25.0 Pa
- C. Thrust = 50.0 N ; Pressure = 500.0 Pa ✓
- D. Thrust = 100.0 N ; Pressure = 50.0 Pa

Q10 General Science

A man rides a bicycle in a circular track of radius 10 m. He completes one round in 10 minutes. What is his average velocity?

- A. 0.1 m/s
- B. 1 m/s
- C. 6.2 m/s
- D. 0 m/s ✓

Q11 General Science

In the chlor-alkali process, what is given off at the anode?

- A. Nitrogen gas
- B. Sodium Hydroxide
- C. Chlorine gas ✓
- D. Hydrogen gas

Q12 General Science

Why does sexual reproduction result in greater variation among offspring?

- A. It occurs only in humans.
- B. It produces exact replicas of the parent.
- C. It allows combination of genetic material from two individuals. ✓
- D. It involves copying of identical DNA.

Q13 General Science

Select the correct statement with respect to 'particles of matter'.

- A. Particles of matter move continuously. ✓
- B. In solids, particles have more space between them.
- C. Particles of matter are stationary.
- D. In liquid, particles have no space between them.

Q14 General Science

Which of the following structures is present at the surface of the rough endoplasmic reticulum membrane?

- A. Plasma membrane
- B. Chromosome
- C. Ribosome ✓
- D. Cell wall

Q15 General Science

The main purpose of having a curved ceiling in a concert hall is to _____.

- A. Prevent sound from entering the hall
- B. Increase the pitch of music
- C. Absorb all sound
- D. Focus sound waves to reach all parts of the hall evenly ✓

Q16 General Science

Which of the following statements is FALSE regarding cells?

- A. Cells can be round, oval, spindle-shaped or branched.
- B. Nerve cells are long to help in the conduction of impulses.
- C. Cell shape is often related to its function.
- D. All cells are of the same size and shape. ✓

Q17 General Science

Which of the following materials remains unchanged over long periods of time?

- A. Silk cloth bag
- B. Cotton cloth bag
- C. Plastic bag ✓
- D. Jute bag

Q18 General Science

What is the primary role of a 'functional group' in an organic compound?

- A. To provide the characteristic chemical properties of the compound ✓
- B. To change the carbon chain from straight to branched
- C. To determine the physical state (solid, liquid, gas) of the compound
- D. To increase the molecular mass of the compound



Q19 General Science

Tooth enamel made of calcium hydroxyapatite starts decaying when pH in mouth is lower than:

- A. 7.5
- B. 5.5
- C. 6.5
- D. 8.5

**Q20 General Science**

In which part of the neurons, is the first electrical impulse created?

- A. Nerve ending
- B. Axon
- C. Dendrite
- D. Cell body

**Q21 General Science**

External fertilisation is found in which of the following organisms?

- A. Hen
- B. Cow
- C. Fish
- D. Human

**Q22 General Science**

Which of the following statements correctly explains the phenomenon of dispersion?

- A. Dispersion is the scattering of light by colloidal particles.
- B. Dispersion is the bending of light as a light ray of single wavelength goes from one medium to another.
- C. Dispersion is the splitting of white light into its seven constituent colours as it passes through a glass prism.
- D. Dispersion is the bouncing back of light when it strikes a surface.

**Q23 General Science**

Calcium hydroxide reacts slowly with the carbon dioxide in air to form a thin layer of which of the following substances that could be used for the purpose of whitewashing?

- A. $\text{Ca}(\text{HCO}_3)_2$
- B. CaSO_4
- C. CaCO_3
- D. CaO

**Q24 General Science**

What is the atomic number of an element that has 17 electrons and 18 neutrons?

- A. 1
- B. 18
- C. 35
- D. 17

**Q25 General Science**

Which among the following covalent compounds will have the least number of shared electron pairs?

- A. O_2
- B. N_2
- C. CH_4
- D. H_2



Q26 Mathematics

A class of 38 students took a Physics test. 14 students had an average score of 68. The remaining students had an average score of 73. What is the average score (rounded off to one decimal place) of the whole class?

A. 78.3

B. 71.2 ✓

C. 65.1

D. 61.8

Q27 Mathematics

After allowing a discount of 60% on the marked price of an article, it is sold for ₹49,834. Find its marked price (in ₹).

A. 1,24,571

B. 1,24,687

C. 1,24,593

D. 1,24,585 ✓

Q28 Mathematics

P is two years older than Q who is twice as old as R. If the total of the ages of P, Q and R be 27 years, then how old is Q?

A. 10 years ✓

B. 13 years

C. 12 years

D. 11 years

Q29 Mathematics

The cost of a washing machine is 50% less than the cost of a TV. If the cost of the washing machine increases by 53% and that of the TV decreases by 55%, then what is the percentage change in the total cost of 8 washing machines and 2 TVs?

A. Decrease by 19%

B. Increase by 15%

C. Increase by 17% ✓

D. Decrease by 11%

Q30 Mathematics

Which of the following numbers is divisible by 49?

A. 7311476

B. 7132979 ✓

C. 7492470

D. 6697359

Q31 Mathematics

If 20% of a number is added to 60, then the result is the same number. 80% of the same number is:

A. 90

B. 70

C. 80

D. 60 ✓

Q32 Mathematics

Nisha buys a mobile phone for her child. The phone is marked at ₹24,500 and is offered with two successive discounts of 20% and C%, respectively. After receiving both discounts, she pays ₹13,132. Find the value of C.

A. 32

B. 34

C. 33 ✓

D. 31

Q33 Mathematics

How many seconds will a boy take to run one complete round around a square field of side 20 metres, if he runs at a speed of 9 km/hr?

A. 22

B. 12

C. 32 ✓

D. 42

Q34 Mathematics

A can complete a piece of work in 66 days. B is 45% less efficient than A. C is 50% more efficient than B. If B and C work together for 24 days, then A alone will complete the remaining work in:

A. 36 days

B. 33 days ✓

C. 37 days

D. 31 days



Q35 Mathematics

When x is added to each of 25, 11, 34 and 13, then the numbers so obtained, in this order, are in proportion. Then, if $9x : y :: y : (8x - 7)$, and $y > 0$, what is the value of y ?

A. 59

B. 63



C. 70

D. 72

Q36 Mathematics

The volume (in m^3) of a cuboidal tank with dimensions $13 \text{ m} \times 4 \text{ m} \times 9 \text{ m}$ is:

A. 453

B. 484

C. 468



D. 483

Q37 Mathematics

One pipe can fill a tank in 8 minutes, while another pipe can empty the completely filled tank in 16 minutes. If both the pipes are opened together when the tank is empty, how many minutes will it take to fill one-fourth of the tank?

A. 4



B. 12

C. 8

D. 16

Q38 Mathematics

If the third proportional of 9 and 48 is x , then what is the value of x ?

A. 259

B. 256



C. 254

D. 255

Q39 Mathematics

If the profit on selling an article for ₹986 is the same as the loss incurred on selling it for ₹726, then the cost price of the article is:

A. ₹760

B. ₹856



C. ₹870

D. ₹863

Q40 Mathematics

In quadrilateral PQRS, the bisectors of $\angle R$ and $\angle S$ meet at the point T (inside the quadrilateral) and $\angle STR = 37.5^\circ$. If the ratio of $\angle P$ to $\angle Q$ is $7 : 8$, then what is the difference between the measures of $\angle Q$ and $\angle P$?

A. 3°

B. 6°

C. 5°



D. 2°

Q41 Mathematics

The arithmetic mean of the observations 21, 23, 38, 99, 64, 35, 48, 52 and 16 is:

A. 47

B. 43

C. 53

D. 44

**Q42 Mathematics**

A certain sum of money doubles itself in 16 years on simple interest. In how many years it will be six times?

A. 75

B. 85

C. 65

D. 80

**Q43 Mathematics**

If the cost of 13 kg onions is ₹273, cost of 21 kg tomatoes is ₹462 and the cost of 27 kg potatoes is ₹594, then find the total cost of 21 kg onions, 25 kg tomatoes and 32 kg potatoes.

A. ₹1,690

B. ₹1,675

C. ₹1,655

D. ₹1,695



Q44 Mathematics

Simplify: $\sqrt{5 + \sqrt{25 + 5^2 - 3^2 - 10}} - \sqrt{4}$

A. 2



B. $\sqrt{2}$

C. $\sqrt{8}$

D. $2\sqrt{3}$

Q45 Mathematics

A girl is standing 15 m away from a vertical flagpole. She observes the top of the flagpole at an angle of elevation of 30° . Find the height of the flagpole.

A. $15\sqrt{3}$ m

B. $5\sqrt{3}$ m



C. $\frac{1}{\sqrt{3}}$ m

D. $10\sqrt{3}$ m

Q46 Mathematics

Simplify $(3x + 2)^2 + (3x - 2)^2$.

A. $-24x$

B. $18x^2 + 8$



C. $24x$

D. $9x^2 + 4$

Q47 Mathematics

Walking at $\frac{3}{4}$ th of his normal speed from his home, Manish is 8 minutes late in reaching his office.

The usual time taken by him to cover the distance between his home and his office is:

A. 22 minutes

B. 27 minutes

C. 24 minutes



D. 15 minutes



Q48 Mathematics

A solid brass sphere has a diameter of 10.5 cm. Find the cost of tin-plating its surface at a rate of ₹4 per 100 cm².

(Use $\pi = \frac{22}{7}$)

A. ₹13.16

B. ₹13.81

C. ₹13.84

D. ₹13.86

**Q49 Mathematics**

The fraction form of the decimal number 0.595959 is:

A. $\frac{59}{99}$



B. $\frac{41}{100}$

C. $\frac{95}{99}$

D. $\frac{59}{100}$

Q50 Mathematics

$\frac{1}{20}$ is what percentage of $\frac{10}{50}$?

A. 25%



B. 35%

C. 50%

D. 40%

General Intelligence & Reasoning

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

Refer to the following series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 9 8 2 7 7 1 7 9 9 3 4 1 1 9 4 7 4 9 7 1 6 8 3 1 3 6 8
(Right)

How many such odd numbers are there each of which is immediately preceded by an even number and also immediately followed by an even number?

A. 0

B. 1



C. 2

D. 3

Q52 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(15, 5, 3)

(18, 3, 6)

A. (14, 7, 4)

B. (17, 8, 2)

C. (16, 8, 2)



D. (11, 5, 6)



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Q53 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

MP33 KN41 IL49 GJ57 ?

A. EG66

B. EH65



C. EH66

D. EG65

Q54 General Intelligence & Reasoning

Each of the digits in the number 8234167 is arranged in ascending order from left to right. What will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

A. 8

B. 6

C. 9



D. 5

Q55 General Intelligence & Reasoning

Seven boxes, A, B, C, D, E, F and G, are kept one over the other, but not necessarily in the same order. A is kept second from the bottom. Only three boxes are kept between A and D. B is kept at one of the positions below A. Only E is kept between D and G. F is kept at one of the positions above D. How many boxes are kept below C?

A. One

B. None

C. Three

D. Two

**Q56 General Intelligence & Reasoning**

In a certain code language,

A ? B means 'A is the daughter of B',
A = B means 'A is the son of B',
A @ B means 'A is the father of B' and
A √ B means 'A is the sister of B'.

How is C related to L if 'C √ D = E @ F ? L'?

A. Wife

B. Mother

C. Daughter



D. Sister

Q57 General Intelligence & Reasoning

NU 3 is related to QQ -11 in a certain way. In the same way, EL 7 is related to HH -7. To which of the given options is KP 11 related, following the same logic?

A. NK -5

B. NL -3



C. ML -5

D. MK -3

Q58 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. RVT



B. KNM

C. BED

D. SVU

Q59 General Intelligence & Reasoning

M, N, O, P, W, X and Y are sitting around a circular table facing the centre of the table. W sits third to the left of O. X sits second to the left of Y. O is the immediate neighbour of both N and X. P is not an immediate neighbour of W. How many people sit between M and X when counted from the right of M?

A. Two



B. Four

C. Three

D. One

Q60 General Intelligence & Reasoning

If 2 is added to each odd digit and 1 is subtracted from each even digit in the number 7284153, what will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

A. 8



B. 12

C. 10

D. 14



Q61 General Intelligence & Reasoning

In a certain code language, 'cup of tea' is coded as 'at rh si' and 'tea is hot' is coded as 'mk cp rh'. How is 'tea' coded in that language?

- A. mk
- B. at
- C. si
- D. rh

**Q62 General Intelligence & Reasoning**

If '+' means '-', '-' means 'x', 'x' means '÷' and '÷' means '+', then what will come in place of the question mark (?) in the following equation?

$$41 - 17 \div 133 + 375 \times 15 = ?$$

- A. 805
- B. 765
- C. 825
- D. 799

**Q63 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

436 438 440 442 444 ?

- A. 447
- B. 445
- C. 448
- D. 446

**Q64 General Intelligence & Reasoning**

In a certain code language, 'tooth queen zip' is coded as 'hj sx em' and 'zip arch ratio' is coded as 'pb hj od'. How is 'zip' coded in that language?

- A. sx
- B. em
- C. hj
- D. pb

**Q65 General Intelligence & Reasoning**

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- A. SN-RV
- B. UP-TW
- C. QL-PS
- D. WR-VY

**Q66 General Intelligence & Reasoning**

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:

All apples are bikes.
All bikes are planes

Conclusion (I): All apples are planes.

Conclusion (II): All bikes are apples.

- A. Neither conclusion (I) nor (II) follows.
- B. Both conclusions (I) and (II) follow.
- C. Only conclusion (I) follows.
- D. Only conclusion (II) follows.

**Q67 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

13,22,40,67,103 ?

- A. 150
- B. 147
- C. 149
- D. 148



Q68 General Intelligence & Reasoning

Mr. Zzz starts from Point A and drives 9 km towards the west. He then takes a left turn, drives 17 km, turns left and drives 18 km. He then takes a left turn and drives 21 km. He takes a final left turn, drives 9 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

- A. 5 km to the east
- B. 6 km to the north
- C. 3 km to the west
- D. 4 km to the south

**Q69 General Intelligence & Reasoning**

Town B is to the south of Town C. Town D is to the west of Town B. Town E is to the north of Town D. Town F is to the east of Town E. Town C is to the north-east of Town F. What is the position of Town B with respect to Town F?

- A. South-east
- B. North-west
- C. South-west
- D. North-east

**Q70 General Intelligence & Reasoning**

RTUR is related to TVWT in a certain way based on the English alphabetical order. In the same way, OQRO is related to QSTQ. To which of the given options is ACDA related, following the same logic?

- A. CEEC
- B. CDEC
- C. CEFC
- D. CFEN

**Q71 General Intelligence & Reasoning**

RHBA is related to UKHG in a certain way based on the English alphabetical order. In the same way, DTZY is related to GWFE. To which of the given options is MCRQ related, following the same logic?

- A. PXSW
- B. PFXW
- C. PSWE
- D. PXSO

**Q72 General Intelligence & Reasoning**

Seven boxes, B, D, E, P, S, T and W, are kept one over the other but not necessarily in the same order. Only E is kept above D. Only P is kept between D and B. Only W is kept below T. How many boxes are kept between S and W?

- A. One
- B. Two
- C. Three
- D. Four

**Q73 General Intelligence & Reasoning**

Refer to the given number, symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) @ 6 1 * # 2 8 \$ 7 & £ 3 Ω 9 % 4 + 5 (Right)

How many such numbers are there, each of which is immediately preceded by another number and also immediately followed by a symbol?

- A. 1
- B. 2
- C. 3
- D. 4

**Q74 General Intelligence & Reasoning**

Which letter-cluster will replace the question mark (?) to complete the given series?

LKO OJQ RIS UHU ?

- A. XGV
- B. YGW
- C. XGW
- D. Xfv

**Q75 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

421 423 427 433 441 ?

- A. 453
- B. 455
- C. 449
- D. 451



Q76 General Intelligence & Reasoning

Six people, A, B, C, D, E and F, are sitting in a row, facing north. A sits to the immediate left of D. C sits third to the left of E. C is an immediate neighbour of D. F sits to the immediate left of B.

How many people sit between E and F?

A. None

B. Three

C. One



D. Two

Q77 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:

All cows are bulls.

All cows are horses.

Conclusions:

(I) Some bulls are horses.

(II) All horses are cows.

A. Only conclusion (I) follows.



B. Neither conclusion (I) nor (II) follows.

C. Both conclusions (I) and (II) follow.

D. Only conclusion (II) follows.

Q78 General Intelligence & Reasoning

Refer to the following number and symbol series and answer the question that follows. All numbers are single-digit numbers only. Counting to be done from left to right only.

(Left) 3 @ 2 ^ @ % \ 8 9 \ / ? 8 7 6 # & # + 7 \ (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a number?

A. One



B. None

C. Two

D. Three

Q79 General Intelligence & Reasoning

Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) # 9 & 5 1 © * * * @ # & 7 & # \$ 8 & 3 1 @ € (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a number?

A. 2



B. 1

C. 3

D. 4

Q80 General Intelligence & Reasoning

Seven people B, C, D, I, J, K and L are sitting in a straight line facing north. No one sits to the right of L. Only three people sit between B and L. Only one person sits between L and I. K sits to the immediate left of C. J is not an immediate neighbour of L. How many people sit to the right of D?

A. Two

B. Four

C. One



D. Three



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Q81 General Awareness

Recognised for excellence in chess, which individual was honoured with the Major Dhyan Chand Khel Ratna Award in 2025?

- A. Anish Sarkar
- B. Praveen Kumar
- C. Harmanpreet Singh
- D. Gukesh Dommaraju

**Q82 General Awareness**

Which of the following countries won the Presidency of International Institute of Administrative Sciences for the term 2025-28?

- A. India
- B. Austria
- C. Germany
- D. France

**Q83 General Awareness**

Who became the first female and first African President of the IOC in March 2025?

- A. Thomas Bach
- B. Seb Coe
- C. Kirsty Coventry
- D. Juan Antonio Samaranch Jr.

**Q84 General Awareness**

Swachh Vayu Sarvekshan 2025, conducted under the National Clean Air Programme (NCAP), evaluated how many cities across India?

- A. 150 cities
- B. 100 cities
- C. 130 cities
- D. 120 cities

**Q85 General Awareness**

The municipal corporation of which city launched India's first QR-Based Digital House Address System in July 2025?

- A. Indore
- B. Shimla
- C. Hyderabad
- D. Jaipur

**Q86 General Awareness**

Which Gram Panchayat received the Gold Award in the new category of the National e-Governance Awards 2025?

- A. Kothur, Andhra Pradesh
- B. Palsana, Gujarat
- C. Rohini, Maharashtra
- D. West Malsipur, Tripura

**Q87 General Awareness**

The Constitution (Scheduled Castes) Order (Amendment) Bill, 2023 amends the Constitution (Scheduled Caste) Order 1950 with respect to which state?

- A. Chhattisgarh
- B. West Bengal
- C. Kerala
- D. Karnataka

**Q88 General Awareness**

Which of the following countries celebrated Poson Poya Honoring 2000 Years of Buddhism in June 2025?

- A. Sri Lanka
- B. China
- C. India
- D. Japan

**Q89 General Awareness**

According to Union Budget 2025-26, which state will get a new Greenfield Airports as part of infrastructure development?

- A. Odisha
- B. Jharkhand
- C. Gujarat
- D. Bihar

**Q90 General Awareness**

Which of the following organisations released the 8th issue of the publication titled 'EnviStats India 2025: Environment Statistics' in June 2025?

- A. Ministry of Statistics and Programme Implementation
- B. Forest Institute of India
- C. National Green Tribunal
- D. Ministry of Environment and Climate Change



Q91 General Awareness

In June 2025, which regulatory authority approved Lenacapavir for HIV prevention?

- A. World Health Organization
- B. Central Drugs Standard Control Organization
- C. United States Food and Drug Administration ✓
- D. European Medicines Agency

Q92 General Awareness

On 29 April 2025, which new facility was launched by the National Center for Sports Science and Research (NCSSR) to revolutionise athlete rehabilitation in India?

- A. Return to Play Facility ✓
- B. Fit India Movement Hub
- C. Khelo India Data Centre
- D. Sports Wellness Lab

Q93 General Awareness

What is the real Gross Domestic Product (GDP) growth for the year 2025–26 projected by the Reserve Bank of India (RBI)?

- A. 6.5% ✓
- B. 8.5%
- C. 7.5%
- D. 7%

Q94 General Awareness

What was the unemployment rate for youth aged 15–29 in April 2025, as per Periodic Labour Force Survey (PLFS)?

- A. 10.7%
- B. 13.8%
- C. 17.2%
- D. 12.3% ✓

Q95 General Awareness

Which of the following schemes aims at fostering innovation & technology development in defence and aerospace by engaging start-ups, MSMEs, academic institutes under the management of the Defence Innovation Organisation (DIO)?

- A. Technology Development Fund
- B. Systematic Deposit Plan
- C. Acing Development of Innovative Technologies with IDEX
- D. Innovations for Defence Excellence ✓

Q96 General Awareness

The AI Action Summit, co-chaired by France and India, was held in February 2025 at which iconic venue?

- A. India Habitat Centre, Delhi
- B. Grand Palais, Paris ✓
- C. Bletchley Park, UK
- D. Palais des Festivals, Cannes

Q97 General Awareness

The Air India plane that crashed in Ahmedabad in June 2025 was flying to which city?

- A. Paris
- B. London ✓
- C. Tokyo
- D. New York

Q98 General Awareness

Who became the youngest player ever to win a WTA 1000 title on 22 February 2025?

- A. Coco Gauff
- B. Mirra Andreeva ✓
- C. Clara Tauson
- D. Iga Świątek

Q99 General Awareness

In May 2025, the Defence Research and Development Organisation (DRDO) conducted combat firing (with reduced explosives) of the indigenous Multi-Influence Ground Mine with the _____.

- A. Indian Army
- B. Indian Air Force
- C. Border Security Force
- D. Indian Navy ✓

Q100 General Awareness

The All India Chess Federation (AICF) launched which scheme to support young chess players from U-7 to U-19 age groups in 2025?

- A. National Chess Talent Initiative
- B. Top National Players Stipend Scheme ✓
- C. Chess Development Program
- D. Youth Chess Empowerment Scheme



General Science

25 Questions • Answer Key

Q1 General Science

Which component(s) of blood is/are mainly responsible for transporting food, carbon dioxide and nitrogenous wastes?

- A. White blood cells
- B. Platelets
- C. Red blood corpuscles
- D. Plasma



Q2 General Science

What happens to a stone tied to a string and moving in a circular path when the string is suddenly released?

- A. It changes direction and moves in a zig-zag path
- B. It returns to its starting point
- C. It stops immediately
- D. It continues moving in the direction it was heading at the moment of release



Q3 General Science

Which of the following statements correctly describes image formation by a convex mirror?

- A. When the object is at a finite distance, the image is formed between the pole and focus, virtual and diminished.
- B. When the object is at a finite distance, the image is formed beyond the centre of curvature, real and enlarged.
- C. When the object is at infinity, the image is formed at the pole and is real and inverted.
- D. When the object is at infinity, the image is formed at the focus, real and inverted.



Q4 General Science

What is the primary reason ores are enriched prior to the extraction of metals?

- A. To eliminate earthy impurities such as sand and unwanted rock
- B. To enhance the melting point of the mineral content for refining
- C. To improve the final metal's resistance to corrosion and rust
- D. To alter the internal crystal structure of the ore for conversion



Q5 General Science

Which of the following plants can have buds in the margins of leaves?

- A. Peepal
- B. Neem
- C. Mango
- D. Bryophyllum



Q6 General Science

What is the primary function of the dendrites in a neuron?

- A. To protect the neuron
- B. To transmit signals from the axon to the cell body
- C. To create an electrical impulse
- D. To form a synapse



Q7 General Science

Read the given statements and select the most appropriate option.

Statements:

A: Coal and petroleum were formed from the degradation of bio-mass.

B: They are exhaustible resources.

- A. Both statements A and B are correct
- B. Only statement B is correct
- C. Neither statement A nor B is correct
- D. Only statement A is correct



Q8 General Science

The reaction between CaO and H_2O is highly exothermic and produces Ca(OH)_2 . This is an example of:

- A. Double displacement reaction
- B. Combination reaction
- C. Displacement reaction
- D. Rearrangement reaction



Q9 General Science

In which of the following parts of the human body do the epithelial cells have cilia?

- A. Food pipe
- B. Respiratory tract ✓
- C. Stomach wall
- D. Buccal cavity

Q10 General Science

A wooden block has a mass of 6 kg and its size is 40 cm × 30 cm × 20 cm. It is placed on a table resting on its 30 cm × 20 cm side. If $g = 10 \text{ m/s}^2$, what is the pressure it puts on the table?

- A. 300 Pa
- B. 200 Pa
- C. 100 Pa
- D. 1000 Pa ✓

Q11 General Science

What makes cartilage more flexible than bone in the human body?

- A. It contains a matrix filled with fat.
- B. It joins muscles to bones.
- C. It contains a fluid-like matrix. ✓
- D. It contains a solid, protein-rich matrix.

Q12 General Science

The potential energy acquired by a balloon when we press it (changing its shape), or by a spring inside a toy car when wound, is possessed by virtue of the object's _____.

- A. acceleration rate
- B. constant speed
- C. mass and volume
- D. configuration ✓

Q13 General Science

Which of the following is an example of a combination reaction?

- A. $\text{Zn} + \text{H}_2\text{SO}_4 \rightarrow \text{ZnSO}_4 + \text{H}_2$
- B. $\text{CaO} + \text{H}_2\text{O} \rightarrow \text{Ca(OH)}_2$ ✓
- C. $2\text{KClO}_3 \rightarrow 2\text{KCl} + 3\text{O}_2$
- D. $\text{CuSO}_4 + \text{BaCl}_2 \rightarrow \text{BaSO}_4 + \text{CuCl}_2$

Q14 General Science

Which of the following rules can be used to determine the direction of magnetic field due to a current carrying circular loop?

- A. Flemming's Left Hand Rule
- B. Maxwell's Left Hand Rule
- C. Flemming's Right Hand Rule
- D. Right Hand Thumb Rule ✓

Q15 General Science

When an acid reacts with a base, which of the following is/are always formed, regardless of the specific acid or base used?

- A. Salt and water ✓
- B. Oxygen
- C. Hydrogen gas
- D. Carbon dioxide

Q16 General Science

How many grams of sodium carbonate are produced when 112 g of sodium hydroxide reacts with 44 g of carbon dioxide, resulting in 18 g of water?

- A. 138 g ✓
- B. 141 g
- C. 143 g
- D. 132 g

Q17 General Science

A battery of 12 V is connected in series with resistors of 1 Ω , 2 Ω , 3 Ω , 4 Ω and 10 Ω , respectively. How much current would flow through the 10 Ω resistor?

- A. 1.0 A
- B. 1.2 A
- C. 0.6 A ✓
- D. 12 A

Q18 General Science

Each succeeding member of the homologous series of alkane differs from the previous one by a unit that consists of:

- A. two carbon and two hydrogens
- B. one carbon and two hydrogens ✓
- C. one carbon and three hydrogens
- D. two carbon and three hydrogens



Q19 General Science

If the frequency of a sound wave increases but its speed remains constant, then its wavelength will:

- A. Become zero
- B. Remain the same
- C. Increase
- D. Decrease ✓

Q20 General Science

Which of the following activities best demonstrates that there is a force of attraction between particles of matter?

- A. Breaking a chalk stick ✓
- B. Compressing a sponge
- C. Heating ice to form water
- D. Dissolving sugar in water

Q21 General Science

The thalamus (receptacle) in flowers performs which of the following functions?

- A. Supports flower parts and can become part of the fruit. ✓
- B. Produces nectar.
- C. Produces pollen grains.
- D. Forms the ovules.

Q22 General Science

Which particle did JJ Thomson discover?

- A. Proton
- B. Nucleus
- C. Electron ✓
- D. Neutron

Q23 General Science

A biologist cuts a hydra into two unequal parts. One part has a fully formed bud. What is most likely to happen to the bud?

- A. The bud will die instantly
- B. The bud will turn into a spore
- C. The hydra will not survive
- D. The bud will mature into a new hydra ✓

Q24 General Science

Which of the following is a converging lens?

- A. Convex lens ✓
- B. Concave lens
- C. Planoconcave lens
- D. Cylindrical lens

Q25 General Science

A car moves with uniform speed along a straight road. Its distance–time graph is:

- A. a straight line inclined to the time-axis ✓
- B. a straight line parallel to the time-axis
- C. a curve concave downwards
- D. a curve concave upwards

Mathematics

25 Questions • Answer Key

Q26 Mathematics

A dealer makes a profit of 50% even after giving a 25% discount on the advertised price of a bike. If he makes a profit of ₹1,290 on the sale of the bike, what is the advertised price (in ₹)?

- A. 5,220
- B. 5,298
- C. 5,160 ✓
- D. 5,236

Q27 Mathematics

A rectangle has a perimeter of 64 cm. If its length is 8 cm more than its width, find the width of the rectangle.

- A. 12 cm ✓
- B. 14 cm
- C. 10 cm
- D. 16 cm



Q28 Mathematics

If the radius of the base of a right circular cylinder is decreased by 17% and its height is increased by 138%, then what is the percentage increase (rounded off to the closest integer) in its volume?

A. 75%

B. 55%

C. 61%

D. 64% ✓

Q29 Mathematics

The area of a right-angled triangle is three-fourths of the area of a rhombus, whose one diagonal is 48 cm long. The sides containing the right angle of the triangle are 36 cm and 64 cm. Find the perimeter of the rhombus.

A. 152 cm

B. 140 cm

C. 160 cm ✓

D. 184 cm

Q30 Mathematics

If an item marked at ₹3,392 is sold for ₹1,696, then what is the discount percentage?

A. 50% ✓

B. 52%

C. 49%

D. 51%

Q31 Mathematics

What is the mode of the following data?

5, 7, 6, 5, 9, 8, 6, 7, 11, 10, 5, 7, 6, 8, 6, 9, 10, 6

A. 7

B. 5

C. 6 ✓

D. 9

Q32 Mathematics

A and B working together can complete a piece of work in 2 days. B alone can complete the same work in 4 days. How long (in days) will A alone take to complete double the work?

A. 11

B. 9

C. 4

D. 8 ✓

Q33 Mathematics

The average of 13 numbers is 7. If each number is multiplied by 2, then what will the new average be?

A. 14 ✓

B. 13

C. 2

D. 7

Q34 Mathematics

The income of Raman is ₹83,000. He saves 16% of his income. If his income increases by 22% and expenditure increases by 25%, then his savings will:

A. decrease by ₹833

B. increase by ₹827

C. increase by ₹830 ✓

D. decrease by ₹828

Q35 Mathematics

The sides of a triangle are 35 cm, 21 cm and 28 cm. What is the length of its altitude corresponding to the side with length of 21 cm?

A. 39 cm

B. 28 cm ✓

C. 64 cm

D. 29 cm

Q36 Mathematics

Two trains, 136 metres and 144 metres in length are running in opposite directions. The first runs at the rate of 65 km/hr and the second at the rate of 79 km/hr. How long will they take to cross each other?

A. 6 seconds

B. 12 seconds

C. 16 seconds

D. 7 seconds ✓

Q37 Mathematics

Two banks, A and B, offered loans at 3.5% and 7.5% per annum, respectively. Ajay borrowed an amount of ₹2,40,000 from each bank. Find the positive difference (in ₹) between the amounts of simple interest paid to the two banks by Ajay after 4 years.

A. 37,900

B. 39,900

C. 39,400

D. 38,400 ✓



Q38 Mathematics

The ages of three siblings are x , 25, and $2x + 8$ years, arranged in ascending order. The total ages of the youngest and the eldest is double the age of the third sibling. What is the age (in years) of the eldest?

A. 33

B. 30

C. 36



D. 39

Q39 Mathematics

₹1,071 is to be divided among three persons M, N and T. If the shares of M and N are in the ratio 3 : 9 and that of N and T are in the ratio 6 : 9, what is the share (in ₹) of N?

A. 380

B. 376

C. 379

D. 378

**Q40 Mathematics**

If the third proportional of 9 and 51 be x , then what is the value of x ?

A. 291

B. 288

C. 287

D. 289

**Q41 Mathematics**

If the LCM of two numbers is 192 and their HCF is 32. If the first number is 64, find the second number.

A. 96



B. 94

C. 93

D. 95

Q42 Mathematics

Pipe P can fill $\frac{3}{8}$ part of a tank in 30 hours and pipe Q can fill $\frac{3}{5}$ part of the same tank in 48 hours. Both P and Q were kept open for 4 hours, then both were closed. Pipe R alone was then opened and it emptied the water in the tank in 6 hours. Pipes P, Q and R together can fill the empty tank in:

A. 104 hours

B. 115 hours

C. 120 hours



D. 112 hours

Q43 Mathematics

Simplify $(3^6 \div 3^2)^2 \times (3^3 \div 3^4)$.

A. 37



B. 32

C. 310

D. 34

Q44 Mathematics

$\frac{1}{20}$ is what percentage of $\frac{2}{70}$?

A. 175%



B. 190%

C. 350%

D. 185%



Q45 Mathematics

If 60% of 30% of $\frac{1}{3}$ of a number is 204, find the number.

A. 3400



B. 5250

C. 4390

D. 7050

Q46 Mathematics

A boy standing 12 m away from a flagpole observes the top of the pole at an angle of elevation of 60° . Find the height of the flagpole.
Note: Consider the height of the boy as 0 m.

(Use $\sqrt{3} \approx 2$)

A. 20 m

B. 24 m



C. 18 m

D. 22 m

Q47 Mathematics

Simplify: $\frac{8.4 \times 8.4 - 2.8 \times 2.8}{5.6 \times 11.2}$

A. 0.5

B. 5.6

C. 1



D. 4.2

Q48 Mathematics

Simplify $\frac{(x^2 - 15x + 50)}{(x - 10)}$.

A. $x - 5$



B. $x + 10$

C. $x - 10$

D. $x + 5$

Q49 Mathematics

Manu purchased a microwave for ₹12,000 and sold it to Anuj at a loss of 12.5%. Anuj sold it to Rani at a profit of 20% and Rani sold it to Priya at a profit of $6\frac{2}{3}\%$. Find the price at which Priya purchased it.

A. ₹13,440



B. ₹13,340

C. ₹13,100

D. ₹12,600



Q50 Mathematics

Zakir travels from City A to City B. If Zakir drives his car at $\frac{3}{8}$ th of his normal speed, then he reaches City B 10 minutes late.

Find the time (in minutes) that Zakir would have taken to travel from City A to City B if he drove at his normal speed.

A. 5

B. 10

C. 6



D. 14

General Intelligence & Reasoning

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

A, B, C, D, E, F and G are sitting around a circular table, facing the centre. B sits third to the left of D. A sits second to the left of G. D is the immediate neighbour of both C and A. E is not an immediate neighbour of B. How many people sit between E and F when counted from the right of E?

A. 4

B. 3

C. 2



D. 1

Q52 General Intelligence & Reasoning

XO 16 is related to ZS 10 in a certain way. In the same way, IF 9 is related to KJ 3. To which of the given options is OP 19 related, following the same logic?

A. QT 13



B. NJ 18

C. GT 14

D. JU 16

Q53 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

717 707 710 700 703 ?

A. 693



B. 695

C. 691

D. 697

Q54 General Intelligence & Reasoning

Parvesh ranked 12th from the top and 38th from the bottom in his class. How many students are there in the class?

A. 59

B. 49



C. 39

D. 50

Q55 General Intelligence & Reasoning

Refer to the following series and answer the question (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 9 2 1 4 2 2 8 3 7 6 7 5 2 4 8 9 7 1 2 3 8 9 2 2 6 2 8

(Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

A. 4

B. 5

C. 3



D. 6

Q56 General Intelligence & Reasoning

TM 13 is related to WR 16 in a certain way. In the same way, MF 18 is related to PK 21. To which of the given options is QJ 26 related, following the same logic?

A. TO 29



B. TM 28

C. UP 29

D. UM 28



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Q57 General Intelligence & Reasoning

Jhanvi ranked 14th from the top and 6th from the bottom in her class. How many students are there in the class?

- A. 21
- B. 17
- C. 23
- D. 19

**Q58 General Intelligence & Reasoning**

In a certain code language, 'hen hat house' is coded as 'zu ef lh' and 'lime hen rat' is coded as 'lh wf cm'. How is 'hen' coded in that language?

- A. wf
- B. zu
- C. lh
- D. ef

**Q59 General Intelligence & Reasoning**

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the letter-cluster that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- A. HIK
- B. XYA
- C. KLN
- D. FHI

**Q60 General Intelligence & Reasoning**

If 2 is added to each odd digit and 1 is subtracted from each even digit in the number 3427165, which of the following digits will be third from the left in the new number thus formed?

- A. 9
- B. 5
- C. 7
- D. 1

**Q61 General Intelligence & Reasoning**

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- A. MR - LQ
- B. EJ - DI
- C. PU - OT
- D. QV - PV

**Q62 General Intelligence & Reasoning**

PXTR is related to UCYW in a certain way based on the English alphabetical order. In the same way, KANS is related to PFSX. To which of the given options is LFKO related, following the same logic?

- A. QKPT
- B. PJOS
- C. OINR
- D. NHMQ

**Q63 General Intelligence & Reasoning**

Refer to the given series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 4 7 5 1 3 2 9 1 6 9 7 4 6 2 8 1 3 8 8 8 4 7 3 7 7 9 1
(Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

- A. 4
- B. 6
- C. 3
- D. 5



Q64 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All rugs are mats.
All mats are blankets.
All blankets are quilts.

Conclusions:

(I): All rugs are quilts.
(II): Some quilts are mats.

- A. Only conclusion (I) follows
- B. Only conclusion (II) follows
- C. Neither conclusion (I) nor (II) follows
- D. Both conclusions (I) and (II) follow ✓

Q65 General Intelligence & Reasoning

If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 1874356, then what will be the sum of the digits that are second from the left and second from the right?

- A. 8
- B. 10
- C. 12 ✓
- D. 14

Q66 General Intelligence & Reasoning

Town D is to the south of Town E. Town F is to the east of Town D. Town G is to the north of Town F. Town H is to the west of Town G. Town E is to the north-east of Town H. What is the position of Town G with respect to Town E?

- A. North-east
- B. North-west
- C. South-east ✓
- D. South-west

Q67 General Intelligence & Reasoning

Refer to the number series given below and answer the question that follows. Counting to be done from left to right only.

(NOTE: All numbers are single-digit numbers only.)

(Left) 6 5 7 9 7 7 1 3 4 5 2 3 1 9 6 8 1 5 1 4 6 5 3 5 3 2 7
(Right)

How many such odd numbers are there each of which is immediately preceded by an odd number and also immediately followed by an even number?

- A. 5
- B. 4 ✓
- C. 6
- D. 3

Q68 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

328 330 320 324 314 320 ?

- A. 312
- B. 310 ✓
- C. 308
- D. 306

Q69 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

14,22,38,62,94 ?

- A. 135
- B. 133
- C. 134 ✓
- D. 136

Q70 General Intelligence & Reasoning

In a certain code language,

'A ? B' means 'A is the daughter of B'

'A = B' means 'A is the son of B'

'A @ B' means 'A is the father of B'

'A √ B' means 'A is the sister of B'

Based on the above, how is C related to L if 'C ? D √ E = F @ L'?

- A. Sister's daughter ✓
- B. Daughter
- C. Mother's sister
- D. Sister



Q71 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(15, 75, 5)
(12, 36, 3)

A. (18, 48, 9)

B. (11, 88, 6)

C. (14, 28, 2)



D. (17, 49, 3)

Q72 General Intelligence & Reasoning

Anita starts from Point A and drives 6 km towards the south. She then takes a left turn, drives 8 km, turns left and drives 10 km. She then takes a right turn and drives 2 km. She then takes a right turn and drives 4 km. She takes a final right turn, drives 4 km and stops at Point D. How far(shortest distance) and in which direction is Point D with respect from Point A?

(All turns are 90° turns only unless specified.)

A. 8 km towards east

B. 12 km towards west

C. 8 km towards south

D. 6 km towards east

**Q73 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series based on the English alphabetical order?
DKQ GNT JQW MTZ ?

A. RYC

B. QXD

C. SWY

D. PWC

**Q74 General Intelligence & Reasoning**

L, M, N, O, P and Q are sitting around a circular table facing the centre. M sits second to the left of P. N sits second to the right of Q. O is on the immediate left of M. Who is sitting on the immediate right of L?

A. P

B. O



C. Q

D. N

Q75 General Intelligence & Reasoning

In a certain code language, 'XANJ' is coded as '98' and 'VLQG' is coded as '116'. What is the code for 'ZRHU' in that language?

A. 146



B. 141

C. 130

D. 139

Q76 General Intelligence & Reasoning

If '+' means '-', '-' means 'x', 'x' means '÷' and '÷' means '+', then what will come in place of the question mark (?) in the following equation?

$$52 - 14 \div 169 + 456 \times 12 = ?$$

A. 899

B. 836

C. 815

D. 859

**Q77 General Intelligence & Reasoning**

Refer to the given series and answer the question that follows (all numbers are single digit numbers only).
Counting to be done from left to right only.

(Left) 1 5 4 6 4 5 4 8 1 9 8 3 4 (Right)

How many such even digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

A. Four

B. Three

C. One

D. Two



Q78 General Intelligence & Reasoning

Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north. Only five people sit to the right of A. Only five people sit to the left of B. F is the immediate neighbour of G and E. C sits second to the left of E. How many people sit to the left of G?

- A. Two
- B. Three
- C. Four
- D. One

**Q79 General Intelligence & Reasoning**

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

HO22 JQ31 LS40 NU49 ?

- A. PW58
- B. PW59
- C. PX58
- D. PX59

**Q80 General Intelligence & Reasoning**

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements: Some pens are copies. All copies are erasers.
Conclusion (I) : Some pens are erasers.
Conclusion (II) : All erasers are copies.

- A. Neither conclusion (I) nor (II) follows
- B. Only conclusion (II) follows
- C. Both conclusions (I) and (II) follow
- D. Only conclusion (I) follows

**General Awareness**

20 Questions • Answer Key

Q81 General Awareness

Who became the fastest cricketer to score 2000 T20I runs in 2025?

- A. Virat Kohli
- B. Sai Sudharsan
- C. Babar Azam
- D. Jos Buttler

**Q82 General Awareness**

Which of the following was the focus of the National Workshop held at Gujarat University, organised by the Ministry of Minority Affairs in July 2025?

- A. Sikhism
- B. Hinduism
- C. Jainism
- D. Buddhism

**Q83 General Awareness**

In June 2025, the World Bank approved a ₹3,700 crore loan for lake rejuvenation in which of the following cities of India to aid flood resilience?

- A. Chennai
- B. Bengaluru
- C. Hyderabad
- D. New Delhi

**Q84 General Awareness**

What honourarium did the P C Chandra Puraskaar include?

- A. ₹15 lakh
- B. ₹5 lakh
- C. ₹20 lakh
- D. ₹10 lakh



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Q85 General Awareness

Where was the United Nations Troop Contributing Countries' (UNTCC) Chiefs' Conclave held in October 2025?

- A. Chennai
- B. Mumbai
- C. New Delhi
- D. Bengaluru

Q86 General Awareness

In which of the following places was the regional workshop on 'Sangathan, Swasthya, Samriddhi: Women Collective's Action on Food, Nutrition, Health and Water, Sanitation and Hygiene,' held from 22nd to 23rd July 2025?

- A. Bhopal, Madhya Pradesh
- B. Patna, Bihar
- C. Lucknow, Uttar Pradesh
- D. Ranchi, Jharkhand

Q87 General Awareness

Which of the following cities hosted the first Climate Week in May 2025?

- A. Panama City
- B. Rio de Janeiro
- C. Mexico City
- D. Washington

Q88 General Awareness

Who won the 2025 French Open men's singles title?

- A. Jannik Sinner
- B. Novak Djokovic
- C. Rafael Nadal
- D. Carlos Alcaraz

Q89 General Awareness

What is the height of the Chenab Rail Bridge above the riverbed?

- A. 859 m
- B. 359 m
- C. 300 m
- D. 478 m

Q90 General Awareness

Which of the following is the oldest bird sanctuary in India?

- A. Chilika Lake Bird Sanctuary
- B. Mayani Bird Sanctuary
- C. Vedanthangal Lake Bird Wildlife Sanctuary
- D. Vellode Birds Wildlife Sanctuary

Q91 General Awareness

In which year did Smriti Mandhana become the fastest Indian woman to reach 4,000 ODI runs?

- A. 2024
- B. 2022
- C. 2023
- D. 2025

Q92 General Awareness

Which of the following municipal corporations has issued India's first certified green municipal bond in April 2025?

- A. Lucknow Nagar Nigam
- B. Varanasi Nagar Nigam
- C. Indore Nagar Nigam
- D. Ghaziabad Nagar Nigam

Q93 General Awareness

Who were the judges of the special bench that ordered an immediate ban on manual scavenging and sewer cleaning in metropolitan cities in early 2025?

- A. Justice UU Lalit and Justice Sanjay Kishan Kaul
- B. Justice Ranjan Gogoi and Justice NV Ramana
- C. Justice DY Chandrachud and Justice Hima Kohli
- D. Justice Sudhanshu Dhulia and Justice Aravind Kumar

Q94 General Awareness

What is the enhanced credit limit under the Modified Interest Subvention Scheme (MISS) for Kisan Credit Card (KCC) loans as per the Union Budget, 2025-26?

- A. ₹2 lakh
- B. ₹3 lakh
- C. ₹4 lakh
- D. ₹5 lakh



Q95 General Awareness

Satellite Technology Day 2025 honoured which of the following anniversaries of Aryabhata, the first indigenously built Indian satellite?

A. 40th

B. 50th



C. 75th

D. 25th

Q96 General Awareness

In June 2025, the Ministry of Coal achieved a historic milestone with the allocation of its _____.

A. 400th coal mine

B. 100th coal mine

C. 200th coal mine



D. 300th coal mine

Q97 General Awareness

Which award did Armando Colaco receive in January 2025?

A. Dronacharya Award



B. Khel Ratna Award

C. MAKATrophy

D. Arjuna Award

Q98 General Awareness

The National Vaccination Day in India is observed on 16 March every year to commemorate the first administration of which vaccine in India?

A. Polio



B. Malaria

C. Dengue

D. HIV

Q99 General Awareness

Which Indian cricketer was inducted into the ICC Hall of Fame in June 2025?

A. MS Dhoni



B. Virat Kohli

C. Sourav Ganguly

D. Sachin Tendulkar

Q100 General Awareness

Indian exports to US faced a 50% US tariff starting 27 August 2025, for buying discounted oil from _____.

A. Iran

B. Saudi Arabia

C. Russia



D. Iraq



General Science

25 Questions • Answer Key

Q1 General Science

Which of the following characteristics of pea was a dominant trait, used by Mendel in his experiments?

- A. Green Seeds
- B. Wrinkled Seeds
- C. Dwarf Plants
- D. Tall Plants



Q2 General Science

For a distinct echo to be heard, the minimum time interval between the original sound and the reflected sound should be approximately _____.

- A. 0.1 s
- B. 0.5 s
- C. 0.01 s
- D. 1 s



Q3 General Science

Which of the following is true about action and reaction forces according to Newton's third law?

- A. They act in the same direction on the same object
- B. They act on two different objects at the same time
- C. They cancel each other out because they act on one object
- D. They act on the same object at different times



Q4 General Science

The phenomenon of dispersion of light was first explained by _____.

- A. Christiaan Huygens
- B. James Clerk Maxwell
- C. Isaac Newton
- D. Albert Einstein



Q5 General Science

Which of the following birth control methods can cause hormonal imbalance, and probably health issues?

- A. Copper-T
- B. Condoms
- C. Tubectomy
- D. Oral contraceptive pills



Q6 General Science

Which of the following is NOT responsible for the transmission of HIV-infection?

- A. Sharing infected needles
- B. Sexual contact with infected person
- C. Hugging of infected person
- D. Transfusion of contaminated blood



Q7 General Science

Which of the following are the covering or protective tissues in the animal body?

- A. Parenchyma tissues
- B. Nervous tissues
- C. Sclerenchyma tissues
- D. Epithelial tissues



Q8 General Science

Which of the following statements is INCORRECT for mass number?

- A. Isobars have same mass number.
- B. Mass number is equal to the sum of number of neutrons and number of protons.
- C. Protium and deuterium have same the mass number.
- D. The number of nucleons is same as mass number.



Q9 General Science

Which of the following statements about olfactory indicators is correct?

- A. In basic solutions, vanilla essence retains its original sweet smell.
- B. In basic solutions, the smell of onion extract remains unchanged.
- C. Onion and vanilla both lose their smell in acidic conditions.
- D. In acidic solutions, onion extract retains its characteristic smell. ✓

Q10 General Science

When acid reacts with a metal carbonate, it forms:

- A. gas and solid precipitate only
- B. salt, carbon dioxide, and water ✓
- C. salt and hydrogen gas only
- D. a base and water as products

Q11 General Science

What does the area under a velocity-time graph represent for motion along a straight line?

- A. The total displacement of the object ✓
- B. The change in acceleration
- C. The final velocity of the object
- D. The total distance between two points

Q12 General Science

The commercial unit of electric energy is kilowatt hour (kW h). Which of the following is the correct value of 1kWh?

- A. 3.6×10^6 Joule ✓
- B. 1.9×10^6 Joule
- C. 3.0×10^6 Joule
- D. 1.6×10^6 Joule

Q13 General Science

If the power of accommodation of a normal human eye is maximum, which of the following is correct for the ciliary muscles?

- A. Fully relaxed
- B. Partially contracted
- C. Fully contracted ✓
- D. Partially relaxed

Q14 General Science

A person does 600 J of work in 3 minutes. What is the average power?

- A. 330 W
- B. 20 W
- C. 200 W
- D. 3.33 W ✓

Q15 General Science

Which of the following conditions will increase the rate of evaporation of a liquid?

- A. Decrease in surface area
- B. Increase in humidity
- C. Increase in wind speed ✓
- D. Decrease in temperature

Q16 General Science

Why is conservation of petroleum important?

- A. Petroleum is a non-renewable resource. ✓
- B. Petroleum does not affect the environment adversely.
- C. Petroleum is a renewable resource.
- D. Petroleum is abundant in nature.

Q17 General Science

Which of the following acid-base indicators is colourless in acidic medium and pink in basic medium?

- A. Bromothymol blue
- B. Litmus
- C. Phenolphthalein ✓
- D. Methyl orange

Q18 General Science

During electrolytic refining, which substance(s) get(s) collected at the cathode?

- A. Organic matter left from ores
- B. The same metal with new bonds
- C. Insoluble impurities and gases
- D. Pure form of the impure metal ✓



Q19 General Science

In Rutherford's model of an atom, which of the following particles are double charged on helium ions?

- A. Alpha particles ✓
- B. Delta particles
- C. Beta particles
- D. Gamma particles

Q20 General Science

Read the following statements carefully and select the INCORRECT one.

- A. Cerebellum helps in maintaining body posture and balance.
- B. Medulla oblongata controls reflex actions like pulling hand away from a hot object. ✓
- C. Spinal cord acts as a relay between the brain and the rest of the body and also controls reflex actions.
- D. Cerebrum is the largest part of the human brain and is responsible for thinking and voluntary actions.

Q21 General Science

The dense structure inside the nucleus that produces ribosomes is called the ____.

- A. mitochondria
- B. lysosome
- C. centrosome
- D. nucleolus ✓

Q22 General Science

Which of the following is true about the mass of an object?

- A. It stays the same no matter where the object is. ✓
- B. It changes from place to place.
- C. It increases at pole.
- D. It depends on gravity.

Q23 General Science

Which of the following is a saturated hydrocarbon?

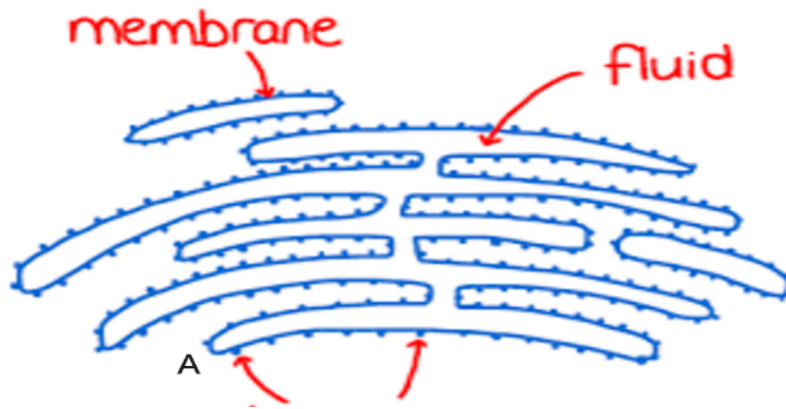
- A. Ethene
- B. Ethyne
- C. Butyne
- D. Propane ✓

Q24 General Science

The symbol of a battery is:

- A. a circle with a dot
- B. a rectangle with arrows
- C. several cells joined together ✓
- D. one long and one short line





What is the primary function of the structure 'A' attached to the rough endoplasmic reticulum in the given diagram?

- A. Digestion of food particles
- B. Storing genetic material
- C. Production of fat molecules
- D. Manufacturing proteins



Mathematics

25 Questions • Answer Key

Q26 Mathematics

Simplify the algebraic expression.

$$a^2(a + 2) - 3a(a^2 - 3) - 5a(a + 5)$$

- A. $a^3 - 3a^2 - 16a$
- B. $-2a^3 - 3a^2 - 16a$
- C. $2a^3 - 3a^2 - 16$
- D. $-2a^3 - a^2 - 16a$



Q27 Mathematics

A dealer purchased a dryer for ₹92,000. He allows a discount of 77% on its marked price and still gains 83%. Find the marked price of the dryer.

- A. ₹7,32,000
- B. ₹7,31,917
- C. ₹7,31,919
- D. ₹7,31,858



Q28 Mathematics

P is any point inside the rectangle ABCD. If PA = 100 cm, PB = 76 cm, and PC = 85 cm, then the length PD (in cm) is equal to:

- A. 104
- B. 112
- C. 107
- D. 103



Q29 Mathematics

Find the value of $(2.99)^2$.

- A. 8.9401
- B. 8.8401
- C. 8.9104
- D. 8.9041



Q30 Mathematics

A man is walking at a speed of 12 km/hr. After every kilometre of walk, he takes a rest for 7 minutes. How much time (in minutes) will he take to cover a distance of 6 km?

A. 54

B. 72

C. 65



D. 42

Q31 Mathematics

A man buys magazines in bulk for ₹20 each. He sells them for ₹23 each. Find the profit percentage.

A. 14%

B. 10%

C. 15%



D. 12%

Q32 Mathematics

Three-fourth of a number exceeds its two-fifth by 63. What is the number?

A. 163

B. 252

C. 180



D. 126

Q33 Mathematics

The sum of the present ages of A and B is 42 years. After 6 years, A will be twice as old as B. Find B's present age.

A. 12 years



B. 10 years

C. 14 year

D. 15 years

Q34 Mathematics

The vertices of a triangle are A(4, -6), B(3, -2) and C(5, 2). Find the area of the triangle formed by these points.

A. 10 sq. units

B. 6 sq. units



C. 5 sq. units

D. 8 sq. units

Q35 Mathematics

The arithmetic mean of the observations 29, 90, 50, 26, 36, 77, 86, 33 and 41 is:

A. 52



B. 65

C. 50

D. 60

Q36 Mathematics

If the mean proportional of X and 125 is 25, then find the value of X.

A. 5



B. 7

C. 8

D. 4

Q37 Mathematics

Mahi would need twice as much time as Neha and Asha combined, while Asha would require three times as much time as Neha and Mahi combined to complete a certain task. If all three friends work together, they can finish the task in 20 days. How many days would Neha take to complete the same task on her own?

A. 24 days

B. 36 days

C. 42 days

D. 48 days

**Q38 Mathematics**

One pipe can fill a tank in 8 minutes, while another pipe can empty the completely filled tank in 40 minutes. If both the pipes are opened together when the tank is empty, how many minutes will it take to fill one-half of the tank?

A. 5



B. 6

C. 10

D. 11



Q39 Mathematics

A cricketer has an average of 97 runs over 6 innings. If he scores 231 runs in the 7th inning, by how many runs (rounded off to the nearest whole number) does his average score increase?

A. 25

B. 17

C. 19



D. 11

Q40 Mathematics

The LCM of two numbers is 84. The numbers are in the ratio 4 : 3. Find the sum of the numbers.

A. 56

B. 49



C. 24

D. 32

Q41 Mathematics

If 20% of a number is added to 84, then the result is the same number. 75% of the same number is:

A. 78.75



B. 98.75

C. 108.75

D. 88.75

Q42 Mathematics

A dealer marks his goods at 29% above the cost price and allows a discount of 7% on the marked price. What is his gain or loss percentage?

A. 23.89% gain

B. 19.1% loss

C. 19.97% gain



D. 22.67% gain

Q46 Mathematics

Simplify: $(\sqrt{75} - \sqrt{108} + \sqrt{6075})^2$

A. 132

B. 5808

C. $5808\sqrt{3}$ D. $1936\sqrt{3}$ **Q43 Mathematics**

Two banks, A and B, offered loans at 3.5% and 7% per annum, respectively. Akshay borrowed an amount of ₹4,60,000 from each bank. Find the positive difference (in ₹) between the amounts of simple interest paid to the two banks by Akshay after 4 years.

A. 63,900

B. 65,900

C. 65,400

D. 64,400

**Q44 Mathematics**

The income of Raman is ₹61,500. He saves 17% of his income. If his income increases by 38% and expenditure increases by 20%, then his savings will:

A. decrease by ₹13,159

B. increase by ₹13,161



C. increase by ₹13,156

D. decrease by ₹13,165

Q45 Mathematics

Nishi travels to a shopping mall at 33 km/hr and returns at 57 km/hr. What is her average speed (in km/hr) for the entire journey?

A. 34.8

B. 32.8

C. 41.8



D. 39.1



Q47 Mathematics

If 646 bananas were distributed among three monkeys in the ratio $\frac{1}{6} : \frac{1}{9} : \frac{1}{4}$, how many bananas did the first monkey get?

A. 234

B. 204



C. 214

D. 174

Q48 Mathematics

The area of a triangle is 84 cm^2 . If the altitude corresponding to its base is two-thirds of the base length, find the length of the base.

A. $5\sqrt{7} \text{ cm}$ B. $6\sqrt{3} \text{ cm}$ C. $6\sqrt{7} \text{ cm}$ D. $4\sqrt{7} \text{ cm}$ **Q49 Mathematics**

From the top of a lighthouse of height 279 m, the angle of depression of a ship is 60° . Find the distance (in meters) between the ship and the foot of the lighthouse.

A. $90\sqrt{3}$ B. $92\sqrt{3}$ C. $93\sqrt{3}$ D. $89\sqrt{3}$ **Q50 Mathematics**

$\frac{1}{20}$ is what percentage of $\frac{10}{60}$?

A. 40%

B. 45%

C. 30%



D. 60%



Q51 General Intelligence & Reasoning

GMUZ is related to EJSW in a certain way based on the English alphabetical order. In the same way, YAMN is related to WXKK. To which of the given options is SRGE related, following the same logic?

A. QMKI

B. QBNJ

C. QOER

D. QOEB

**Q52** General Intelligence & Reasoning

Refer to the following series and answer the question (all numbers are single-digit numbers only). Counting to be done from Left to Right only.

(Left) 5 8 3 6 9 4 2 7 5 1 3 4 (Right)

How many such even numbers are there, which are immediately followed by an odd number?

A. Two

B. Three



C. One

D. More than three

Q53 General Intelligence & Reasoning

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statement(s) is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

All samosas are patties.

All samosas are burgers.

Conclusions:

(I) Some patties are burgers.

(II) All burgers are samosas.

A. Only conclusion (II) follows.

B. Only conclusion (I) follows.



C. Both conclusions (I) and (II) follow.

D. Neither conclusion (I) nor (II) follows.

Q54 General Intelligence & Reasoning

If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark '?' in the following equation?

56 A 8 C 2 B 7 D 6 = ?

A. 16

B. 13

C. 14

D. 15

**Q55** General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

19, 22, 28, 37, 49, ?

A. 65

B. 66

C. 63

D. 64

**Q56** General Intelligence & Reasoning

In a certain code language,
A + B means 'A is the sister of B',
A @ B means 'A is the brother of B',
A - B means 'A is the wife of B',
and A # B means 'A is the father of B'.

How is O related to V if 'O - P # T + G @ V'?

A. Sister

B. Mother



C. Daughter

D. Wife



Q57 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 4 7 1 8 3 5 4 2 9 9 3 3 1 2 8 6 7 4 4 6 6 2 1 8 1 9 3
(Right)

How many such even numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- A. Five
- B. Four
- C. Two
- D. Three

Q58 General Intelligence & Reasoning

Six people, A, B, C, D, E and F are sitting in a row, facing north. Only two people sit to the right of C. A sits second to the left of D. B sits to the immediate right of F. E sits second to the left of C. How many people sit between D and B?

- A. 4
- B. 3
- C. 2
- D. 1

Q59 General Intelligence & Reasoning

RY 17 is related to VW 3 in a certain way. In the same way, IK 11 is related to MI -3. To which of the following is PI 16 related, following the same logic?

- A. NJ 7
- B. RT 5
- C. BT 3
- D. TG 2

Q60 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

812 813 810 815 808 817 ?

- A. 819
- B. 806
- C. 805
- D. 820

Q61 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All cars are buses.
All buses are planes.
No car is a train.

Conclusions:

(I) No bus is a train.
(II) No plane is a train.

- A. Neither statement I nor II follows
- B. Both statements I and II follow
- C. Only statement II follows
- D. Only statement I follows

Q62 General Intelligence & Reasoning

In a certain code language, 'she takes photos' is coded as 'rp bs eg' and 'photos are beautiful' is coded as 'zs vx bs'. How is 'photos' coded in that language?

- A. eg
- B. rp
- C. bs
- D. vx

Q63 General Intelligence & Reasoning

If + means -, - means $\times$, $\times$ means $\div$ and $\div$ means +, then what will come in place of the question mark (?) in the following equation?

$$25 - 16 \div 79 + 189 \times 3 = ?$$

- A. 458
- B. 462
- C. 469
- D. 416



Q64 General Intelligence & Reasoning

Refer to the given series and answer the question that follows. All numbers are single-digit numbers. Counting to be done from left to right.

(Left) 3 7 1 9 4 6 2 5 8 3 7 5 9 4 6 2 5 8 3 7 1 9 8 6 2 (Right).

How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an even digit?

- A. Two
- B. Four
- C. Five
- D. Three

**Q65 General Intelligence & Reasoning**

In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

DEAR - EADR - RAED
SOME - OMSE - EMOS

- A. WARD - ARWD - DRAW
- B. ZONE - ZNOE - ENOZ
- C. JUTE - UJTE - EUTJ
- D. RACE - ACRE - ACER

**Q66 General Intelligence & Reasoning**

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- A. HMF
- B. RWO
- C. PUN
- D. NSL

**Q67 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

777 767 762 752 747 ?

- A. 739
- B. 736
- C. 737
- D. 738

**Q68 General Intelligence & Reasoning**

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

FEL221, NMT202, VUB183, DCJ164, ?

- A. LKS145
- B. LUR145
- C. MKR145
- D. LKR145

**Q69 General Intelligence & Reasoning**

Seven boxes, B, C, D, I, J, K and L, are kept one over the other but not necessarily in the same order. Only C is kept below I. Only four boxes are kept between C and J. Only L is kept between J and D. B is kept at one of the positions above J. How many boxes are kept between K and C?

- A. Two
- B. Three
- C. One
- D. Four

**Q70 General Intelligence & Reasoning**

Gaurav starts from Point A and drives 11 km towards the South. He then takes a left turn, drives 7 km, then turns left and drives 14 km. He then takes a left turn and drives 11 km. He takes a final left turn, drives 3 km, and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only, unless specified.)

- A. 5 km to the west
- B. 4 km to the east
- C. 5 km to the east
- D. 4 km to the west

**Q71 General Intelligence & Reasoning**

M, N, O, P, W, X and Y are sitting around a circular table facing the centre of the table.

Only two people sit between P and O when counted from the left of O. W sits third to the left of N. Y sits to the immediate right of N. Y sits second to the left of P. X is not an immediate neighbour of W. Who sits third to the right of M?

- A. Y
- B. N
- C. O
- D. W



Q72 General Intelligence & Reasoning

If 2 is added to each odd digit and 2 is subtracted from each even digit in the number 178673, then what will be the sum of largest and smallest digits in the new number thus formed?

A. 12



B. 10

C. 11

D. 13

Q73 General Intelligence & Reasoning

Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) * + 9 \ / ? > @ 5 5 / ? / 9 * 1 ? # + 6 # (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a number?

A. None

B. Three

C. Two

D. One

**Q74 General Intelligence & Reasoning**

Mr. Akai starts from Point A and drives 18 km towards south. He then takes a right turn, drives 25 km, turns right and drives 9 km. He then takes a right turn and drives 11 km. He then takes a right turn, drives 5 km, turns left and drives 4 km. He takes a final left turn, drives 14 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only, unless specified.)

A. 9 km to the west

B. 10 km to the south

C. 10 km to the east



D. 10 km to the west

Q75 General Intelligence & Reasoning

F, G, H, I, M, N and O are sitting around a circular table, facing the centre of the table. Only two people sit between I and O, when counted from the left of O. G sits third to the left of N. H sits to the immediate right of N. H sits second to the left of I. F is not an immediate neighbour of G. Who sits third to the right of M?

A. H



B. N

C. F

D. O

Q76 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(16, 262, 7)

(40, 1612, 13)

A. (7, 74, 21)

B. (36, 1318, 18)

C. (8, 72, 4)

D. (4, 38, 23)

**Q77 General Intelligence & Reasoning**

In a certain code language, 'books are treasures' is coded as 'ab hi pq' and 'treasures read gems' is coded as 'st hi xy'. How is 'treasures' coded in that language?

A. pq

B. st

C. xy

D. hi

**Q78 General Intelligence & Reasoning**

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. HIK

B. WYZ



C. STV

D. IJL



Q79 General Intelligence & Reasoning

In a row of 31 people facing north, Jack is 7th from the right end. If Ronald sits 5th to the left of Jack, what is Ronald's position from the left end of the row?

A. 20th



B. 22nd

C. 19th

D. 21st

Q80 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

ULO SJM QHK OFI ?

A. MDG



B. MCH

C. MCG

D. MDH

General Awareness

20 Questions • Answer Key

Q81 General Awareness

In June 2025, which company was licensed to produce the Expandable Mobile Shelter for armed forces?

A. Goma Engineering Pvt Ltd

B. Bharat Electronics Ltd



C. Metaltech Motor Bodies Pvt Ltd

D. Bharat Forge

Q85 General Awareness

Which city saw disbursement of ₹6.79 crore scholarship to over 11,000 minority students by July 2025?

A. Pryagraj



B. Patna

C. Gandhinagar

D. Bhopal

Q82 General Awareness

As of June 2025, the International Big Cat Alliance (IBCA), based in New Delhi, focuses on protecting how many species?

A. Seven



B. Six

C. Eight

D. Five

Q86 General Awareness

What treaty was signed on 17 January 2025, in Moscow to deepen cooperation across military, energy, and tech sectors?

A. Russia-China Strategic Partnership

B. Iran-Russia Comprehensive Strategic Partnership Treaty



C. Russia-EU Comprehensive Strategic Partnership Treaty

D. Russia-India Space Agreement

Q83 General Awareness

Who received the Padma Bhushan in 2025 for his contributions to the field of Arts from Maharashtra?

A. Pankaj Patel

B. Nandamuri Balakrishna

C. Shekhar Kapur



D. S Ajith Kumar

Q87 General Awareness

The Bilderberg Conference from 12–15 June 2025 took place in _____.

A. Helsinki

B. Stockholm



C. Copenhagen

D. Oslo

Q84 General Awareness

Which central scheme reduces budget allocations drastically for minority education scholarships in 2025-26?

A. Naya Savera

B. USTTAD

C. PM-Viraasat

D. Pre-Matric



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Q88 General Awareness

Which of the following foreign banks became the first to list a bond on National Stock Exchange – International Exchange (NSE IX) at GIFT City in June 2025?

- A. Barclays Bank
- B. HSBC Bank
- C. DFCC Bank
- D. DBS Bank

**Q89 General Awareness**

Who among the following Indian athletes set a new national record in the men's 5,000 m event at Boston University in 2025?

- A. Gulveer Singh
- B. Jinson Johnson
- C. Avinash Sable
- D. Murali Sreeshankar

**Q90 General Awareness**

Who was the first Indian to win two IPL final Player of the Match awards in 2017 and 2025?

- A. Jasprit Bumrah
- B. Virat Kohli
- C. Krunal Pandya
- D. Rohit Sharma

**Q91 General Awareness**

Which team emerged victorious, defeating Nepal 54-36, to claim the inaugural men's Kho-Kho World Cup title in New Delhi on 19 January 2025?

- A. Bangladesh
- B. Pakistan
- C. Nepal
- D. India

**Q92 General Awareness**

In September 2025, which region was declared as India's first cold desert biosphere reserve under the United Nations Educational, Scientific and Cultural Organization (UNESCO) programme?

- A. Spiti Valley
- B. Ladakh Valley
- C. Nubra Valley
- D. Satluj Valley

**Q93 General Awareness**

In June 2025, the Government of India announced to set up a Centre of Excellence to mitigate human wildlife conflict under which ministry?

- A. Ministry of Home Affairs
- B. Ministry of Law and Justice
- C. Ministry of Rural Development
- D. Ministry of Environment, Forest and Climate Change

**Q94 General Awareness**

According to the report by the International Energy Agency (IEA) released in June 2025, which country is the third-largest contributor to global power generation growth over the past five years?

- A. United States of America
- B. Russia
- C. China
- D. India

**Q95 General Awareness**

Which of the following organisations partnered with Vivifi Finance in December 2024 to provide loans to gig workers?

- A. National Payments Corporation of India (NPCI)
- B. Reserve Bank Innovation Hub (RBIH)
- C. Indian Banks' Association (IBA)
- D. Small Industries Development Bank of India (SIDBI)

**Q96 General Awareness**

Bold Kurukshetra 2025 is a bilateral military exercise conducted between India and which other nation?

- A. United Kingdom
- B. China
- C. Singapore
- D. Russia

**Q97 General Awareness**

Who won the men's race at the 2025 Paris Marathon?

- A. Ibrahim Hassan
- B. Eliud Kipchoge
- C. Bénard Biwott
- D. Sila Kiptoo



Q98 General Awareness

What was the primary technical issue that caused a delay of the Axiom-4 mission on 10 June 2025?

- A. Solar panel malfunction
- B. Liquid oxygen leak
- C. Communication failure
- D. Engine overheating



Q99 General Awareness

The Mukhya Mantrir Jiban Anuprerana Scheme of Assam offers _____.

- A. Monthly scholarship
- B. One-time grant
- C. Loan repayable over 5 years
- D. Fellowship with monthly stipend



Q100 General Awareness

In September 2025, which state government approved an Environmental, Social and Governance (ESG) policy to attract environment-friendly and low-polluting industries?

- A. Kerala
- B. Andhra Pradesh
- C. Haryana
- D. Gujarat



General Science

25 Questions • Answer Key

Q1 General Science

If the velocity of a body is doubled, its kinetic energy becomes:

- A. half
- B. four times
- C. double
- D. eight times



Q2 General Science

What is the primary component of the plant cell wall?

- A. Cutin
- B. Suberin
- C. Cellulose
- D. Lignin



Q3 General Science

Which of the following is NOT a base unit in the International System of Units (SI)?

- A. Second
- B. Kilogramme
- C. Joule
- D. Metre



Q4 General Science

If the thrust acting on a surface remains constant, how does the pressure change with the area of contact?

- A. Pressure increases when area increases.
- B. Pressure decreases when area decreases.
- C. Pressure increases when area decreases.
- D. Pressure does not depend on area.



Q5 General Science

Select the correct option regarding the following two statements labelled Assertion (A) and Reason (R).

Assertion (A): Iron gets coated with a reddish-brown substance when exposed to moist air.
Reason (R): Rust forms due to the reaction of iron with moisture and oxygen.

- A. A is false, but R is true.
- B. Both A and R are true, and R is not the correct explanation of A.
- C. A is true, but R is false.
- D. Both A and R are true, and R is the correct explanation of A.



Q6 General Science

When a light ray passes through a rectangular glass slab, the emergent ray is _____.

- A. Along the same line as the incident ray
- B. Perpendicular to the incident ray
- C. Bent toward the normal without displacement
- D. Parallel to the incident ray but shifted sideward



Q7 General Science

An electric bulb is connected to a 240 V generator and draws a current of 0.25 A. What is the power consumed by the bulb?

- A. 60 W
- B. 60 J
- C. 960 W
- D. 960 J



Q8 General Science

How does pollination contribute to seed formation in plants?

- A. By producing nectar to attract pollinators
- B. By forming a protective seed coat around the ovule
- C. By transferring pollen from the anther to the stigma, enabling fertilisation
- D. By dispersing seeds to new locations



Q9 General Science

Which of the following is true about the cells of meristematic tissue?

- A. They are active cells with dense cytoplasm, thin walls, prominent nuclei and no vacuoles.** ✓
- B. They are inactive with large vacuoles and thick walls.
- C. They are dead cells with no nucleus or cytoplasm.
- D. They are loosely packed, mature cells with large intercellular spaces.

Q10 General Science

What is an ion?

- A. A proton
- B. A molecule
- C. An atom or group of atoms with a positive or negative charge** ✓
- D. A neutral atom

Q11 General Science

Which of the following metals is characterised by low density and softness?

- A. Potassium** ✓
- B. Magnesium
- C. Aluminium
- D. Copper

Q12 General Science

Select the option regarding the matter which has sufficient spaces between them or are not tightly packed.

Salt, Iron, Sugar

- A. Both sugar and salt** ✓
- B. Only iron
- C. Only sugar
- D. Both iron and salt

Q13 General Science

Which of the following is INCORRECT about striated muscle?

- A. Also called voluntary muscles
- B. These are present in limbs
- C. Mostly attached to bones and help in body movement
- D. Each striated muscle fibre contains a single nucleus** ✓

Q14 General Science

What does Snell's Law of refraction state about the relationship between the angle of incidence and the angle of refraction for the given pair of media?

- A. Their difference is always constant.

- B. The ratio of the sine of the angle of incidence to the sine of the angle of refraction remains constant.** ✓

- C. Both angles are always equal in all media.

- D. Their sum is always 90°.

Q15 General Science

A bus travels a 6 km distance in 20 minutes to go from point A to point B. The bus travels from point B to point A in 30 minutes. What is the average speed in m/s of the bus?

- A. 24

- B. 400

- C. 2400

- D. 4** ✓

Q16 General Science

Which of the following components is represented by a zig-zag line in a circuit diagram?

- A. Resistor** ✓

- B. Switch

- C. Bulb

- D. Battery

Q17 General Science

Which of the following metals reacts most vigorously with cold water?

- A. Cobalt

- B. Copper

- C. Iron

- D. Sodium** ✓

Q18 General Science

Which of the following reactions is an example of a double displacement reaction?

- A. $\text{Zn} + \text{H}_2\text{SO}_4 \rightarrow \text{ZnSO}_4 + \text{H}_2$

- B. $\text{AgNO}_3 + \text{NaCl} \rightarrow \text{AgCl} + \text{NaNO}_3$** ✓

- C. $\text{CaCO}_3 \rightarrow \text{CaO} + \text{CO}_2$

- D. $2\text{Mg} + \text{O}_2 \rightarrow 2\text{MgO}$



Q19 General Science

How can the transmission of certain sexually transmitted infections (STIs) be reduced during sexual activity?

- A. By only engaging in sexual activity during daytime
- B. By taking antibiotics before every sexual act
- C. By avoiding physical contact with all individuals
- D. By using protection such as condoms during intercourse ✓

Q20 General Science

What is reverberation?

- A. Loss of sound energy in air
- B. Spreading of sound in all directions
- C. Persistence of sound due to multiple reflections of sound waves ✓
- D. Change in pitch of sound

Q21 General Science

Which of the following statements about coal and petroleum conservation is correct?

- A. They do not cause pollution.
- B. Their formation takes millions of years. ✓
- C. They are renewable resources of energy.
- D. They are inexpensive to extract.

Q25 General Science

An athlete runs on a circular track with a diameter of 300 m and completes one round in 50 seconds. If the athlete runs for 2 minutes and 30 seconds, what is the total distance covered from the starting point?

(Use $\pi = 3.14$)

- A. Distance = 471 m
- B. Distance = 942 m
- C. Distance = 2826 m ✓
- D. Distance = 1500 m

Q22 General Science

Which of the following is essential for animals to participate in the process of mating?

- A. They must be tall
- B. Sexual immaturity
- C. Physical maturity ✓
- D. They must have attractive eyes

Q23 General Science

Which of the following vitamins are maintained at high levels in poultry feed to support optimal growth and health?

- A. Vitamin B9 and B12
- B. Vitamin A, D and E ✓
- C. Vitamin B1, B2, B3
- D. Vitamin C and K

Q24 General Science

When fats and oils are oxidised, they develop a smell and taste that is:

- A. spicy
- B. pleasant
- C. rancid ✓
- D. fruity

Mathematics

25 Questions • Answer Key

Q26 Mathematics

The angle of elevation of a ladder leaning against a wall is 60° and the foot of the ladder is 5.6 m away from the wall. Find the length of the ladder.

- A. 11.2 m ✓
- B. 14.2 m
- C. 12.2 m
- D. 10.2 m

Q27 Mathematics

The sides of a triangle are 87 cm, 108 cm, and 75 cm. What is the length (in cm) of its altitude corresponding to the side with a length of 108 cm?

- A. 60 ✓
- B. 24
- C. 41
- D. 17



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Q28 Mathematics

Juli is 24 years older than her daughter. In 6 years, Juli's age will be double that of her daughter. What is the present age (in years) of Juli?

A. 48

B. 30

C. 24

D. 42

**Q29 Mathematics**

A and B working together can do a piece of work in 3 days. B alone can do the same work in 12 days. How long (in days) will A alone take to do double the work?

A. 8



B. 11

C. 4

D. 9

Q30 Mathematics

The sides of a triangle are 34 cm, 18 cm and 20 cm. What is the length of its altitude corresponding to the side with the length of 18 cm?

A. 22 cm

B. 16 cm



C. 63 cm

D. 42 cm

Q31 Mathematics

Given $x + y = 4$, and $xy = 2$, what is $x^2 + y^2$?

A. 10

B. 12



C. 14

D. 16

Q32 Mathematics

A fruit vendor buys 10 kg of apples at ₹85/kg and sells them at ₹100/kg. What is his total profit?

A. ₹120

B. ₹140

C. ₹180

D. ₹150

**Q33 Mathematics**

If P is a prime number, what is the HCF of P and $P + 1$?

A. P

B. $P^2 + P$

C. $P^2 + 1$

D. 1

**Q34 Mathematics**

How many seconds will a boy take to run one complete round around a square field of side 25 metres, if he runs at a speed of 4 km/hr?

A. 90



B. 80

C. 70

D. 100

Q35 Mathematics

The price of a commodity decreases by 5% in the first week and then increases by 8% in the second week. What is the effective percentage increase in the price after the second week?

A. 2.6%



B. 1.5%

C. 0.8%

D. 3%

Q36 Mathematics

The amount on a sum of ₹2,500 at the rate of 14% per annum compound interest, compounded annually, in 2 years will be:

A. ₹3,184

B. ₹3,249



C. ₹2,497

D. ₹2,877

Q37 Mathematics

In an election with two candidates, 8% of the registered voters did not vote, and 120 voters submitted blank ballots. Among the votes cast, the winning candidate received support from 48% of all registered voters and secured 780 more votes than the other candidate. Determine the total number of voters on the list.

A. 16,500



B. 15,690

C. 14,840

D. 17,800



Q38 Mathematics

The Rajdhani Express and Garib Rath Express run in the same direction with speeds of 87 km/hr and 51 km/hr, respectively, and their lengths are the same. What is the length of the Rajdhani Express if it completely crosses the Garib Rath Express in 175 seconds?

A. 867 m

B. 875 m



C. 880 m

D. 883 m

Q39 Mathematics

A dealer purchased a ceiling fan for ₹391. After allowing a discount of 31% on its marked price, he still gains 68%. Find the marked price of the ceiling fan.

A. ₹952



B. ₹994

C. ₹927

D. ₹902

Q40 Mathematics

If the mean proportional of X and 147 is 84, then find the value of X.

A. 49

B. 50

C. 45

D. 48

**Q41 Mathematics**

A seller sells two fruits, apples and bananas. An apple costs ₹20 and a banana costs ₹10. Ravi buys 6 fruits and pays ₹80. How many more bananas did he buy than apples?

A. 4

B. 1

C. 2



D. 3

Q42 Mathematics

Two pipes, P and Q, can fill a cistern in 37 minutes 30 seconds and 45 minutes, respectively. Both pipes are opened simultaneously. The cistern gets completely filled in exactly 30 minutes if pipe Q is turned off after x minutes. Find x.

A. 9



B. 8

C. 7

D. 12

Q43 Mathematics

The average age of 30 students of a class is 19 years. If the age of the teacher is also included, the average age of the whole group becomes 20 years. The age (in years) of the teacher is:

A. 58

B. 50



C. 54

D. 52

Q44 Mathematics

₹10,279 is divided among A, B, and C in such a way that if ₹67, ₹33, and ₹13 are deducted from their respective shares, they have money in the ratio 4 : 2 : 20. Find the difference between B's and C's original shares.

A. ₹6988

B. ₹7188

C. ₹7138

D. ₹7018

**Q45 Mathematics**

DMART is offering Buy 30, get 11 free on grocery items. What is the net percentage discount being offered by DMART? (Correct up to two decimal places)

A. 23.99%

B. 24.84%

C. 28.04%

D. 26.83%



Q46 Mathematics

The value of $(1 - \frac{1}{2})(1 - \frac{1}{3})(1 - \frac{1}{4})(1 - \frac{1}{5})\dots\dots\dots(1 - \frac{1}{m})$ is equal to:

A. $m + 1$

B. $m - 1$

C. m

D. $\frac{1}{m}$



Q47 Mathematics

If 20% of 10% of $\frac{2}{3}$ of a number is 697, find the number.

A. 56260

B. 52275

C. 52990

D. 52290



Q48 Mathematics

$\frac{3}{2}$

A. $18\frac{7}{9}$

B. $21\frac{7}{9}$

C. $169\frac{7}{9}$

D. $189\frac{7}{9}$



Q49 Mathematics

Simplify: $\sqrt{51 - \sqrt{7} + \sqrt{11 - 4\sqrt{7}}}$

A. 5

B. 7

C. 11

D. 10



Q50 Mathematics

An athletic track forms a shape consisting of a rectangle with semicircles on two opposite ends. If the straight portions are each 100 metres long and the total perimeter of the track is 400 metres, what is the radius of each semicircular end (rounded off to two decimal places)?

$$\left(\text{Use } \pi = \frac{22}{7} \right)$$

A. 33.73 metres

B. 31.82 metres



C. 32.43 metres

D. 30.23 metres

General Intelligence & Reasoning

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

In a certain code language, 'LAVS' is coded as '3812' and 'VALE' is coded as '1342'. What is the code for 'E' in the given code language?

A. 1

B. 2

C. 3

D. 4

**Q52 General Intelligence & Reasoning**

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. KOJ

B. EID

C. HLG

D. TXT

**Q53 General Intelligence & Reasoning**

O, P, Q, R, W, X and Y are sitting in a straight line facing north. Only two people sit to the right of X. Only two people sit between X and Q. Only two people sit between O and P. P sits to the immediate left of X. R sits to the immediate right of Y. Who sits at the third position from the left end of the line?

A. W



B. O

C. Y

D. P

Q54 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

24 41 58 75 92 ?

A. 105

B. 109



C. 117

D. 113

Q55 General Intelligence & Reasoning

Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

NOK-JKG

EFB-ABX

A. TTO-PQM

B. TTO-OPL

C. TUQ-PQM



D. TUQ-OQL

Q56 General Intelligence & Reasoning

Preethi ranked 6th from the top and 12th from the bottom in her class. How many students are there in the class?

A. 19

B. 17



C. 16

D. 20



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Q57 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statement(s).

Statements:

No Judges are Accountants.
Some Accountants are Nurses.
All Nurses are Librarians.

Conclusions:

(I) No Judges are Nurses.
(II) Some Accountants are Librarians.

- A. Both conclusions (I) and (II) follow
- B. Neither conclusion (I) nor (II) follows
- C. Only conclusion (I) follows
- D. Only conclusion (II) follows

**Q58 General Intelligence & Reasoning**

Each of the digits in the number 6325894 is arranged in descending order from right to left. Calculate the sum of digits whose position(s) remain(s) unchanged as compared to that in the original number and the lowest digit.

- A. 10
- B. 8
- C. 17
- D. 12

**Q59 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series, based on the English alphabetical order?

SWZ QUX OSV MQT ?

- A. KOS
- B. KPR
- C. KPS
- D. KOR

**Q60 General Intelligence & Reasoning**

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some machines are anchors.
Some anchors are wheels.

Conclusions:

(I): Some machines are wheels.
(II): All wheels are anchors.

- A. Both conclusions (I) and (II) follow
- B. Only conclusion (II) follows
- C. Only conclusion (I) follows
- D. Neither conclusion (I) nor (II) follows

**Q61 General Intelligence & Reasoning**

A, B, C, E, F, P, and Q are sitting around a circular table, facing the centre. A sits fourth to the left of C. P sits fourth to the right of B. Only two people sit between C and B, when counted from the left of C. E is not an immediate neighbour of P or B. F is not an immediate neighbour of P. Who sits third to the right of Q?

- A. B
- B. C
- C. F
- D. P

**Q62 General Intelligence & Reasoning**

If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 1245367, how many digits will appear more than once in the new number thus formed?

- A. Three
- B. None
- C. Two
- D. One



Q63 General Intelligence & Reasoning

Akshay starts from Point M and drives 8 km towards the east. He then takes a right turn, drives 5 km, turns left and drives 3 km. He then takes a right turn and drives 7 km. He then takes a right turn and drives 11 km. He takes a final right turn, drives 5 km and stops at Point P. How far (shortest distance) and in which direction is Point P with respect to Point M?

(All turns are 90° turns only unless specified.)

A. 6 km towards south

B. 7 km towards south

C. 3 km towards north

D. 9 km towards north

Q64 General Intelligence & Reasoning

Refer to the number and symbol series given below and answer the question that follows. Counting to be done from left to right only.

(NOTE: All numbers are single-digit numbers only.)

(Left) % * 7 % € % 2 # € \$ € © 9 5 6 # 9 & 6 % 7 & (Right)

How many such numbers are there each of which is immediately preceded by a number and also immediately followed by a symbol?

A. 2

B. 3

C. 1

D. 0

Q65 General Intelligence & Reasoning

NK 16 is related to QN 12 in a certain way. In the same way, PS 20 is related to SV 16. To which of the given options is BX 30 related, following the same logic?

A. FB 26

B. EB 26

C. EA 34

D. EA 26

Q66 General Intelligence & Reasoning

If 'A' stands for 'x', 'B' stands for '÷', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark '?' in the following equation?

16 B 4 D 8 A 3 C 28 = ?

A. 8

B. 10

C. 11

D. 6

Q67 General Intelligence & Reasoning

In a certain code language,
P + Q means 'P is the mother of Q',
P # Q means 'P is the wife of Q',
P & Q means 'P is the brother of Q',
P % Q means 'P is the father of Q'.

How is I related to M if 'I # J % B & L + M'?

A. Mother's sister

B. Mother's mother

C. Father's mother

D. Father's sister

Q68 General Intelligence & Reasoning

Mr. Z starts from Point A and drives 13 km towards the South. He then takes a left turn, drives 15 km, then turns left and drives 27 km. He then takes a left turn and drives 31 km. He takes a final left turn, drives 14 km, and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only, unless specified.)

A. 19 km to the west

B. 16 km to the east

C. 17 km to the east

D. 18 km to the south

Q69 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 8 8 2 9 1 9 7 2 9 5 9 3 6 4 9 7 2 2 2 7 4 5 8 1 7 9 9
(Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

A. Seven

B. Five

C. Eight

D. Six

Q70 General Intelligence & Reasoning

LR 9 is related to PT 3 in a certain way. In the same way, TS 13 is related to XU 7. To which of the given options is GE 19 related, following the same logic?

A. BG 14

B. NJ 12

C. KG 13

D. JK 11



Q71 General Intelligence & Reasoning

Refer to the following number, symbol series and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers.)
(Left) 3 @ © 6 5 € € 3 3 8 € % 2 7 6 # 7 * £ € 9 \$ (Right)
How many such symbols are there each of which is immediately preceded by a number and also immediately followed by a number?

- A. Three
- B. Two
- C. Zero
- D. One

**Q72 General Intelligence & Reasoning**

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- A. BEE
- B. EGH
- C. TVW
- D. OQR

**Q73 General Intelligence & Reasoning**

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?
FIM19 GJN26 HKO33 ILP40 ?

- A. JMQ47
- B. JMQ48
- C. JMR47
- D. JMR48

**Q74 General Intelligence & Reasoning**

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(44, 52, 18)
(50, 56, 22)

- A. (42, 78, 4)
- B. (30, 22, 19)
- C. (19, 14, 13)
- D. (41, 82, 1)

**Q75 General Intelligence & Reasoning**

In a certain code language, 'door win king' is coded as 'ab ap ly' and 'win key mom' is coded as 'dw tc ap'. How is 'win' coded in that language?

- A. ap
- B. ly
- C. ab
- D. dw

**Q76 General Intelligence & Reasoning**

Seven boxes B, D, E, P, S, T and W are kept one over the other but not necessarily in the same order.
W is kept second from the bottom. Only three boxes are kept between W and B. P is kept at one of the positions below W. Only D is kept between B and S. E is kept at one of the positions above B.
How many boxes are kept between P and E?

- A. One
- B. Three
- C. Four
- D. Five

**Q77 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

256 258 262 268 ? 286

- A. 274
- B. 278
- C. 276
- D. 280



Q78 General Intelligence & Reasoning

Refer to the given series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 5 2 3 6 9 5 1 4 7 8 5 2 3 (Right)

How many such odd digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

- A. Two
- B. Three
- C. One
- D. Four

Q79 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

517 520 525 532 541 ?

- A. 551
- B. 553
- C. 554
- D. 552

Q80 General Intelligence & Reasoning

A, B, C, D, E and F are sitting around a circular table, facing the centre. E sits third to the right of F. B sits second to the left of E. C sits second to the right of A. D sits to the immediate right of C. How many people sit between E and D, when counted from the left of D?

- A. None
- B. One
- C. Two
- D. Four

General Awareness

20 Questions • Answer Key

Q81 General Awareness

Where were the 2025 Asian Athletics Championships held?

- A. India
- B. South Korea
- C. Bangladesh
- D. China

Q82 General Awareness

In September 2025, Indian cricket team refused to accept the Asia Cup trophy from Asian Cricket Council president and Interior Minister of _____.

- A. Bangladesh
- B. Afghanistan
- C. Pakistan
- D. Sri Lanka

Q83 General Awareness

The 115th executive council meeting of the All-India Mayor Council was held on 15-16 June 2025 in which city?

- A. Panchkula
- B. Agra
- C. Mumbai
- D. New Delhi

Q84 General Awareness

During which of the following editions of the National Finite Element Developers' meeting did Indian Space Research Organisation (ISRO) unveil the latest version of Finite Element Analysis of Structures (FEAST) software in February 2025?

- A. 4th
- B. 6th
- C. 8th
- D. 10th



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Q85 General Awareness

The Constitutional Amendment Bill introduced in August 2025 prevents individuals in jail from holding which of the following positions?

- A. Directors of private corporations
- B. Constitutional roles like Prime Minister and Chief Ministers ✓
- C. Heads of universities and colleges
- D. Senior bank executive roles

Q86 General Awareness

SBM Bank India entered into a bancassurance partnership with which among the following companies in May 2025?

- A. Kotak Life Insurance Co. Ltd.
- B. Axis Max Life Insurance Co. Ltd.
- C. Life Insurance Corporation of India
- D. ICICI Prudential Life Insurance ✓

Q87 General Awareness

Which athlete set a new American outdoor record in the men's 5000 m with a time of 12 : 45.27?

- A. Grant Fisher
- B. Yared Nuguse
- C. Cole Hocker
- D. Nico Young ✓

Q88 General Awareness

Who among the following won the 2025 Abel Prize for contributions to algebraic analysis and representation theory?

- A. Joel Mokyr
- B. Philippe Aghion
- C. Masaki Kashiwara ✓
- D. Terence Tao

Q89 General Awareness

Which of the following financial bodies imposed a penalty of ₹54.78 crore on 353 regulated entities in FY25?

- A. Securities and Exchange Board of India (SEBI)
- B. NSDL Payments Bank
- C. Reserve Bank of India (RBI) ✓
- D. National Payments Corporation of India (NPCI)

Q90 General Awareness

In March 2025, which three Central Asian countries signed the Khujand Treaty to settle border disputes?

- A. Kazakhstan, Uzbekistan, Kyrgyzstan
- B. Turkmenistan, Uzbekistan, Tajikistan
- C. Kazakhstan, Tajikistan, Turkmenistan
- D. Tajikistan, Kyrgyzstan, Uzbekistan ✓

Q91 General Awareness

According to a July 2025 report by the Centre for Science and Environment, all mega cities in India—including Kolkata, Bengaluru, Mumbai, Hyderabad and Chennai—saw high concentrations of which pollutant(s) during the summer of 2025?

- A. Black carbon
- B. Volatile organic compounds
- C. Ground-level ozone ✓
- D. Nitrogen oxides

Q92 General Awareness

Which district in Arunachal Pradesh saw the inauguration of a Khelo India multipurpose hall in 2025?

- A. Itanagar
- B. Kamle ✓
- C. Tawang
- D. Lohit

Q93 General Awareness

What was the name of the bilateral Indo-French military drill held from 18 June to 1 July 2025 at Camp Larzac?

- A. Prithvi 2025
- B. Trishul 2025
- C. Vikas 2025
- D. Shakti 2025 ✓

Q94 General Awareness

Which of the following ministries launched the Aadhaar Good Governance Portal to streamline approval process for Aadhaar authentication requests and to make Aadhaar more people-friendly, enable ease of living, and enable better access to services for people?

- A. Ministry of Statistics and Programme Implementation
- B. Ministry of Personnel, Public Grievances and Pensions
- C. Ministry of Social Justice and Empowerment
- D. Ministry of Electronics and Information Technology ✓



Q95 General Awareness

According to GS Krishnan, which of the following sectors are highlighted in the India BioEconomy Report, 2025?

- A. BioEnergy, BioIndustrial, BioPharma, and BioServices
- B. BioAgri, BioPharma, Renewable Energy, and BioMedical
- C. BioPharma, BioAgri, BioServices, and Robotics Biotech
- D. BioPharma, BioIndustrial, BioAgri, and BioServices ✓

Q96 General Awareness

The 24th edition of the World Sustainable Development Summit 2025, organised by TERI, commenced in _____.

- A. New Delhi ✓
- B. Hyderabad
- C. Bengaluru
- D. Mumbai

Q97 General Awareness

As per the survey conducted by the Yale Program on Climate Change Communication and CVoter from December 5, 2024, to February 18, 2025, what percentage of Indians reported experiencing severe air pollution in the past 12 months?

- A. 73%
- B. 80%
- C. 52% ✓
- D. 62%

Q98 General Awareness

Who took charge as the Chief Election Commissioner of India on 19 February 2025, under the new provisions of the 2023 appointment act?

- A. Rajiv Kumar
- B. Gyanesh Kumar ✓
- C. Sukhbir Singh Sandhu
- D. Anup Chandra Pandey

Q99 General Awareness

Where was the Khelo India Winter Games 2025 second phase held?

- A. Leh
- B. Auli
- C. Manali
- D. Gulmarg ✓

Q100 General Awareness

In November 2025, Narendra Modi presented a revolutionary indigenous innovation of India, as the country's indigenous quantum security chip called:

- A. Next-Gen Quantum Shield Chip (NQSC)
- B. Quantum Cyber Defence Chip (QCDC)
- C. Indian Quantum Encryption Module (IQEM)
- D. Quantum Security Integrated Processor (QSIP) ✓



General Science

25 Questions • Answer Key

Q1 General Science

Which of the following is NOT a molecule of a compound?

A. NH_3

B. HCl

C. O_3



D. CH_4

Q2 General Science

A long straight wire carries a current I , and the magnetic field at a distance r from the conductor is B . If the distance from a straight current-carrying wire is doubled, what will be the magnetic field at that point?

A. Zero

B. $B/2$



C. $2B$

D. B

Q3 General Science

Which of the following statement is INCORRECT about simple permanent tissue?

A. Food storage occurs in simple permanent tissue

B. Sclerenchyma is the most common simple permanent tissue



C. Simple permanent tissue is generally composed of living cells

D. It founds few layers beneath the epidermis

Q4 General Science

Carbon forms many compounds because of:

A. High atomic mass and large size

B. Ability to form ionic crystals

C. Catenation and tetravalency



D. Reactivity with noble gases

Q5 General Science

Which of the following belongs to the alkyne group?

A. C_6H_6

B. C_2H_4

C. C_3H_4



D. C_3H_8

Q6 General Science

A man contracts HIV even though his partner is healthy. Which of the following behaviours from his personality could explain this?

A. Using sterilised needles

B. Having protected sex

C. Having multiple unprotected sexual partners



D. Maintaining a healthy diet

Q7 General Science

Brass is an example of:

A. a compound

B. an element

C. a homogeneous mixture



D. a heterogeneous mixture

Q8 General Science

Blood is called a connective tissue because _____.

A. it connects and transports material throughout the body



B. it is red in colour

C. it supports bones

D. it is found only in muscles

Q9 General Science

Which gas reacts with sodium hydroxide to form sodium bicarbonate and sodium carbonate?

A. CO

B. SO_2

C. NO_2

D. CO_2



Q10 General Science

If Girl A takes 20 s and Girl B takes 50 s to climb a rope, both performing 3200 J of work, their difference in performance is characterised by which physical concept?

A. Total energy consumed

B. Total displacement

C. Power



D. Gravitational force



Q11 General Science

What is the benefit of developing dwarf broiler parents in poultry?

- A. To increase flight ability
- B. To make them resistant to rain
- C. To lay larger eggs
- D. To reduce feed consumption and improve meat yield ✓

Q12 General Science

In the case of unbalanced forces acting on an object, the acceleration (a) produced is in the direction of the _____.

- A. initial velocity
- B. force of friction
- C. net force (resultant force) acting on the object ✓
- D. largest force

Q13 General Science

The chemical formula of the compound sodium carbonate is represented as:

- A. Na_3CO_4
- B. Na_3CO_2
- C. Na_2CO_3 ✓
- D. Na_3CO_3

Q14 General Science

The colour of silver chloride changes when placed in sunlight for some time due to the:

- A. Thermal decomposition of silver chloride
- B. Combination reaction of silver chloride with oxygen
- C. Photochemical decomposition of silver chloride by sunlight ✓
- D. Displacement reaction by oxygen and water

Q15 General Science

A stone is thrown downward with an initial velocity of 5 m/s. After 2 seconds, its final velocity v (taking $g = 10 \text{ m/s}^2$) will be:

- A. 5 m/s
- B. 10 m/s
- C. 25 m/s ✓
- D. 20 m/s

Q16 General Science

Which of the following statements regarding the need for macronutrients in plants is correct?

- A. Macronutrients are required by plants in large quantities for proper growth and development. ✓
- B. Macronutrients are less important than micronutrients.
- C. Plants can survive without macronutrients.
- D. Macronutrients are only required during the flowering stage.

Q17 General Science

Which type of spherical mirror has its reflecting surface curved outwards and possesses a centre of curvature C that lies behind the mirror?

- A. Plane mirror
- B. Converging mirror
- C. Convex mirror ✓
- D. Concave mirror

Q18 General Science

A convex mirror is generally used as a rear-view mirror in vehicles because it:

- A. Produces magnified images
- B. Produces real and inverted images
- C. Absorbs most of the light rays
- D. Produces a wider field of view ✓

Q19 General Science

The bud in Hydra:

- A. grows as an outgrowth ✓
- B. forms inside the parent's body
- C. develops on a stalk
- D. forms through spores

Q20 General Science

A sound wave has a frequency of 1600 Hz. If the wavelength of the wave is 0.2 m, what will be the speed of the wave?

- A. 32 m/s
- B. 8000 m/s
- C. 800 m/s
- D. 320 m/s ✓



Q21 General Science

Which of the following is INCORRECT about meristematic tissues?

- A. Actively dividing cells
- B. Thin walled
- C. Presence of vacuoles
- D. Lack of vacuoles

**Q22 General Science**

Which of the following statements about resistivity is correct?

- A. It depends only on the nature and temperature of the material
- B. It increases with the cross-sectional area
- C. It decreases when the length increases
- D. It changes with the shape of the conductor

**Q23 General Science**

An object moves 10 m in 2 s. On a distance–time graph, what is the slope?

- A. 10 m/s
- B. 8 m/s
- C. 20 m/s
- D. 5 m/s

**Q24 General Science**

Esters are formed by the reaction of:

- A. alcohol and acid in basic medium
- B. alcohol and acid at low pressure
- C. alcohol and acid in acidic medium
- D. alcohol and aldehyde in the presence of dehydrating agent

**Q25 General Science**

Which of the following statements is/are correct regarding sexual reproduction in plants?

Statement A: After fertilisation, the zygote divides several times to form an embryo within the ovule

Statement B: The ovule develops a tough coat and is gradually converted into a seed.

- A. Only statement B
- B. Only statement A
- C. Neither statement A nor B
- D. Both statements A and B

**Mathematics**

25 Questions • Answer Key

Q26 Mathematics

A solid cylinder has a height of 12 cm and a radius of r cm. A part of the cylinder is melted and molded into two cones. One cone has a radius of 3 cm and a height of 4 cm, while the other cone has a radius of 6 cm and a height of 8 cm. If the ratio of the curved surface area of the original cylinder to the sum of the curved surface areas of the two cones is 4 : 1, find the value of $2r$.

- A. 26
- B. 24
- C. 27
- D. 25

**Q27 Mathematics**

If the mode of a data exceeds its mean by 27.3, then the mode exceeds the median by _____. (Use empirical formula to find the answer.)

- A. 15.8
- B. 24.9
- C. 27.1
- D. 18.2

**Q28 Mathematics**

The selling price of an iPhone is ₹3,300, after allowing two successive discounts of 36% and 25%. Find the marked price of the iPhone.

- A. ₹6,815
- B. ₹6,769
- C. ₹6,875
- D. ₹6,983



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Q29 Mathematics

A man observes the top of a building at an angle of elevation 45° . If the building is 20 m high, find the distance of the man from the building.

A. 35 m

B. 20 m



C. 25 m

D. 30 m

Q30 Mathematics

A, B and C can do a piece of work in 3, 12 and 4 days, respectively. How long (in days) will they take to do twice the same work, working together?

A. 3



B. 6

C. 4

D. 9

Q31 Mathematics

The amount on a sum of ₹7,500 at 8% per annum compound interest, compounded annually, in 2 years will be:

A. ₹8,989

B. ₹9,355

C. ₹9,135

D. ₹8,748

**Q32 Mathematics**

102 men have provisions for 30 weeks. They are joined by 68 men. How long (in weeks) will the provisions last?

A. 18



B. 22

C. 16

D. 20

Q33 Mathematics

If the cost price of 30 chairs is equal to the selling price of 40 chairs, find the loss percentage.

A. 19%

B. 23%

C. 25%



D. 17%

Q34 Mathematics

The trains Rajdhani Express and Garib Rath Express run in the same direction with speeds of 101 km/hr and 65 km/hr, respectively, and their lengths are same. What is the length of Rajdhani Express if it completely crosses Garib Rath Express in 66 seconds?

A. 338 m

B. 322 m

C. 330 m



D. 326 m

Q35 Mathematics

The sum of two numbers is 45 and their difference is 9. Find the smaller number.

A. 12

B. 15

C. 20

D. 18

**Q36 Mathematics**

For what value of x will the equation $(x + 5)^2 - (x - 5)^2 = 80$ be true?

A. 4



B. 3

C. 6

D. 5

Q37 Mathematics

If the radius of a sphere is increased by 15%, then find the percentage increase in its volume. (Rounded up to 2 decimal places.)

A. 52.09%



B. 41.67%

C. 80.25%

D. 23.20%



Q38 Mathematics

In a student body election, 5% of the eligible voters are aged 18–21 years, 12% are aged 21–25 years, and the rest are older than 25 years. Among these groups, 80% of the 18–21 year age group and 60% of the 21–25 year age group actually voted. If the number of voters aged 21–25 years who voted exceeds those aged 18–21 years by 320, what is the difference between the number of eligible voters aged 18–21 years and those aged 21–25 years?

A. 700



B. 600

C. 800

D. 500

Q39 Mathematics

The average age of 31 students of a class is 34 years. If the age of the teacher is also included, the average age of the whole group becomes 35 years. The age (in years) of the teacher is:

A. 63

B. 69

C. 66



D. 67

Q40 Mathematics

A train travels at a speed of 72 km/hr. How long will it take to cover a distance of 180 km?

A. 2.4 hours

B. 2.5 hours



C. 2.1 hours

D. 2.7 hours

Q41 Mathematics

The sum of the first 11 prime numbers is:

A. 160



B. 162

C. 164

D. 165

Q42 Mathematics

At present, the ratio of the ages of Meena and Sita is 5 : 4 and sixteen years from now, the ratio will get changed to 9 : 8. Find the present age of Meena.

A. 23 years

B. 22 years

C. 21 years

D. 20 years

**Q43 Mathematics**

The ratio of 20 hours to 7 days is equivalent to which of the following?

A. 20:7

B. 4:43

C. 2:47

D. 5:42

**Q44 Mathematics**

In how many minutes will a cistern be filled if three pipes with diameters 2 cm, 3 cm and 4 cm are opened together, given that the largest pipe alone can fill it in 87 minutes? (Assume the rate of flow of water through each pipe is proportional to the square of its diameter.)

A. 40

B. 36

C. 50

D. 48

**Q45 Mathematics**

The monthly incomes of two friends Shivam and Rupesh, are in the ratio 5 : 8, respectively, and each of them saves ₹81,000 every month. If the ratio of their monthly expenditure is 1 : 4, find the monthly income of Shivam (in ₹).

A. 1,02,250

B. 1,00,250

C. 1,01,250



D. 1,41,750



Q46 Mathematics

Bharat goes to a shop to purchase a toy train priced at ₹5,000. He is offered 4 discount options by the shopkeeper. Which of these options should he opt for to gain maximum advantage of the discount offered?

A. Two successive discounts of 44% and 18% ☒

B. Two successive discounts of 24% and 25%

C. Two successive discounts of 30% each

D. Single discount of 22%

Q47 Mathematics

The sum of three numbers is 180. If the ratio of the second number to the first number is 14:7 and that of the third number to the second number is 15:15, then find the second number.

A. 71

B. 74

C. 72 ☒

D. 70

Q48 Mathematics

Simplify the following expression.

$$\frac{(256)^4 \times (125)^3 \times (81)^5}{(64)^5 \times (25)^4 \times (27)^6}$$

A. 150

B. 60

C. 120

D. 180 ☒

Q49 Mathematics

$\frac{1}{20}$ is what percentage of $\frac{10}{30}$?

A. 30%

B. 35%

C. 15% ☒

D. 25%

Q50 Mathematics

In a triangle MNR, the bisectors of $\angle MNR$ and $\angle MRN$ are respectively NO and RO, which intersect at O. If $\angle M = 60^\circ$ and $\angle MRN = 66^\circ$, then the value of $\angle RON$ is:

A. 30°

B. 130°

C. 120° ☒

D. 110°



Q51 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?
PSJ NQH LOF JMD ?

A. HLB

B. HKA

C. HKB



D. HLA

Q52 General Intelligence & Reasoning

If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', then what will come in place of the question mark (?) in the following equation?

11 B 2 D 44 A 4 C 3 = ?

A. 14



B. 11

C. 17

D. 22

Q53 General Intelligence & Reasoning

In a certain code language,
A ± B means 'A is the wife of B',
A * B means 'A is the son of B',
A ₹ B means 'A is the father of B',
and A # B means 'A is the sister of B'.

How is D related to O if 'D # R * A ₹ C ± O'?

A. Mother's sister

B. Wife's sister



C. Sister

D. Wife

Q54 General Intelligence & Reasoning

NKMP is related to TQSV in a certain way based on the English alphabetical order. In the same way, KHJM is related to QNPS. To which of the following is SPRU related, following the same logic?

A. YVWA

B. YUWA

C. YWWF

D. YVXA

**Q55** General Intelligence & Reasoning

Six people, A, B, C, D, E and F, are sitting in a row, facing the north. F sits to the immediate left of A. C sits third to the left of D. C is an immediate neighbour of A. B sits to the immediate left of E.

How many people sit between E and C?

A. Three

B. Two

C. None

D. One

**Q56** General Intelligence & Reasoning

Which of the given letter-number clusters will replace the question mark (?) in the following series to make it logically complete?

KR37 MT45 OV53 QX61 ?

A. SZ68

B. SY69

C. SY68

D. SZ69

**Q57** General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

23 - 10 - 33

4 - 13 - 17

A. 44 - 20 - 85

B. 49 - 21 - 80

C. 16 - 20 - 46

D. 50 - 22 - 72



Q58 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

53 62 73 86 101 ?

A. 115

B. 120

C. 118



D. 113

Q59 General Intelligence & Reasoning

If 'A' stands for '×', 'B' stands for '÷', 'C' stands for '+' and 'D' stands for '-', then what will come in place of the question mark (?) in the following equation?

20 B 5 D 8 A 3 C 14 A 4 = ?

A. 38

B. 36



C. 34

D. 39

Q60 General Intelligence & Reasoning

A, B, C, D, E and F are sitting around a circular table facing the centre. D sits third to the right of F. A sits second to the left of F. E sits second to the right of B. C sits to the immediate right of E. How many people sit between A and C when counted from the left of A?

A. Four

B. None

C. One



D. Two

Q61 General Intelligence & Reasoning

Which numbers should come in place of the question mark (?) in the same sequence to make the series logically complete?

2, 5 7, 10 , 14, 17, 23, 26 34 ? 47 ?

A. 33, 51

B. 34, 50

C. 33, 50

D. 37, 50

**Q62 General Intelligence & Reasoning**

Refer to the given number, symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) £ 9 \$ £ £ % € 6 3 3 1 8 & 3 © # * 7 * & 3 & (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a number?

A. 0

B. 2

C. 1



D. 3

Q63 General Intelligence & Reasoning

If '+' means '-', '-' means '×', '×' means '÷' and '÷' means '+', then what will come in place of the question mark (?) in the following equation?

$24 \times 3 + 6 - 2 \div 8 = ?$

A. 11

B. 7

C. 4



D. 15

Q64 General Intelligence & Reasoning

Seven people B, C, D, I, J, K and L are sitting in a straight line facing north. Only two people sit between L and J. Only J sits to the right of D. Only three people sit between D and C. K sits at some place to the left of B but at some place to the right of I. How many people sit between I and B?

A. Four

B. One

C. Three



D. Two



Q65 General Intelligence & Reasoning

Refer to the given series and answer the question that follows. (All numbers are single digit numbers only.) Counting to be done from left to right only.

(Left) 2 1 7 7 9 6 9 1 3 7 9 6 4 2 8 1 5 7 1 4 5 (Right)

How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an even digit?

A. 4

B. 2

C. 3



D. 1

Q66 General Intelligence & Reasoning

Select the pair that follows the same pattern as the one followed by the two pairs given below. Both pairs follow the same pattern.

NKL-HEF

AXY-URS

A. WTU-PNN

B. WSS-QNO

C. WTU-QNO



D. WSS-PMN

Q67 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. SRR



B. QOP

C. ECD

D. MKL

Q68 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. BD - JL

B. EG - MO

C. CE - KM

D. KM - SV

**Q69 General Intelligence & Reasoning**

In the following series, numbers are written using some special pattern but one number is incorrect. That INCORRECT number is:

10, 27, 78, 233, 690, 2067

A. 233



B. 10

C. 2067

D. 78

Q70 General Intelligence & Reasoning

Select the pair that follows the same pattern as the one followed by the two pairs given below. Both pairs follow the same pattern.

YZX-WXV

XYW-VWU

A. TUS-QSP

B. TTQ-RSQ

C. TTQ-QRP

D. TUS-RSQ



Q71 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

No Porcupines are Bears.
All Bears are Leopards.
Some Leopards are Jaguars.

Conclusions:

(I) Some Porcupines are Leopards.
(II) Some Bears are Jaguars.

- A. Only conclusion (II) follows.
- B. Both conclusions (I) and (II) follow.
- C. Only conclusion (I) follows.
- D. Neither conclusion (I) nor (II) follows. ✓

Q72 General Intelligence & Reasoning

In a certain code language, 'are you ready' is coded as 'nb uc jp' and 'do you agree' is coded as 'jh jp ko'. How is 'you' coded in that language? (All codes are two-letter codes.)

- A. ko
- B. qc
- C. nb
- D. jp ✓

Q73 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All machines are tools.
All machines are equipment.
Some equipment are toys.

Conclusions:

(I): Some toys are machines.
(II): Some equipment are tools.

- A. Both conclusions (I) and (II) follow
- B. Neither conclusion (I) nor (II) follows
- C. Only conclusion (II) follows ✓
- D. Only conclusion (I) follows

Q74 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows. (All numbers are single-digit numbers only.) (Counting to be done from left to right only.)

(Left) 1 5 3 7 2 8 4 9 6 1 3 7 5 4 2 8 9 6 3 7 1 5 4 9 8 2 6
(Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- A. More than three ✓
- B. Three
- C. Two
- D. One

Q75 General Intelligence & Reasoning

Piyush starts from Point A and drives 8 km towards east. He then takes a right turn, drives 6 km, turns right and drives 11 km. He then takes a right turn and drives 10 km. He takes a final right turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified)

- A. 5 km to the north
- B. 4 km to the north
- C. 5 km to the south
- D. 4 km to the south ✓

Q76 General Intelligence & Reasoning

Mr. Akai starts from Point A and drives 15 km towards west. He then takes a left turn, drives 11 km, turns left and drives 50 km. He then takes a left turn, drives 31 km, turns left and drives 17 km. He then takes a left turn and drives 15 km. He takes a final right turn, drives 18 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified)

- A. 5 km to the south ✓
- B. 5 km to the north
- C. 5 km to the west
- D. 7 km to the north



Q77 General Intelligence & Reasoning

Seven boxes, B, D, E, P, S, T and W, are kept one over the other but not necessarily in the same order. Only two boxes are kept between S and D. Only B is kept above T. No box is kept below D. W is kept at some place below P but at some place above E. Which box is kept third above E?

A. P



B. B

C. T

D. W

Q78 General Intelligence & Reasoning

In a certain code language 'VACP' is coded as '126' and 'MHTJ' is coded as '153'. What is the code for 'OGQE' in the given language?

A. 129

B. 135

C. 132



D. 140

Q79 General Intelligence & Reasoning

Seven boxes, A, B, C, D, E, F and G, are kept one over the other but not necessarily in the same order. Only two boxes are kept below D. Only one box is kept above G. Only one box is kept between G and C. E is kept immediately above A. F is kept at some place below B. How many boxes are kept above F?

A. 4

B. 2



C. 5

D. 3

Q80 General Intelligence & Reasoning

Refer to the given series and answer the question that follows. (All numbers are single digit numbers only.) Counting to be done from left to right.

(Left) 9 1 6 7 7 2 8 3 4 3 3 2 7 9 9 9 5 4 6 7 3 6 3 (Right)

How many such even digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an even digit?

A. Two



B. Three

C. One

D. Four

General Awareness

20 Questions • Answer Key

Q81 General Awareness

Why was the book 'Heart Lamp' considered unique in Booker history and won the International Booker Prize in 2025?

A. First short story collection to win



B. First poetry book

C. First biography

D. First children's book

Q82 General Awareness

According to the Sustainable Development Report 2025, what is the percentage of seats held by women in the Indian parliament?

A. 28.2%

B. 23.9%

C. 13.8%



D. 19.7%

Q83 General Awareness

Which of the following age groups is targeted under the Nurturing Aspirations through Vocational Training for Young Adolescent Girls programme, jointly launched by the Ministry of Women and Child Development and the Ministry of Skill Development and Entrepreneurship in June 2025?

A. 12 to 16 years

B. 18 to 21 years

C. 10 to 14 years

D. 16 to 18 years

**Q84 General Awareness**

Which world champion pole-vaulter cleared 6.28 m, setting a new world record at the Stockholm Diamond League?

A. Ernest John Obiena

B. Mondo Duplantis



C. Kurtis Marschall

D. Sam Kendricks



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Q85 General Awareness

Where was the 19th India Digital Summit (IDS) 2025 held?

- A. Ahmedabad
- B. New Delhi ✓
- C. Chennai
- D. Jaipur

Q86 General Awareness

In July 2025, the Union Environment ministry notified which of the following rules aimed at ensuring the remediation of chemically contaminated sites by those responsible for the contamination?

- A. Environment Protection (Management of Contaminated Sites) Rules, 2025 ✓
- B. Environmental Restoration and Management (Pollution Control) Rules, 2025
- C. Hazardous Waste and Remediation Management Rules, 2025
- D. Comprehensive Environmental Response, Compensation, and Liability Rules, 2025

Q87 General Awareness

Where was the National Cross-Country Championships held on January 12, 2025?

- A. Uttar Pradesh ✓
- B. Karnataka
- C. Rajasthan
- D. Gujarat

Q88 General Awareness

What is the percentage of the population with access to clean fuels and technology for cooking in the Sustainable Development Report 2025?

- A. 74% ✓
- B. 83%
- C. 89.3%
- D. 79%

Q89 General Awareness

What poverty rate did the State Bank of India project for India in 2024, as reported in June 2025?

- A. 2.6%
- B. 1.6%
- C. 4.6% ✓
- D. 3.6%

Q90 General Awareness

Who among the following were the recipients of the 2025 Sakharov Prize for Freedom of Thought?

- A. Dr. Sonali Ghosh and Peter Howitt
- B. Andrzej Poczobut and Mzia Amaglobeli ✓
- C. Sunil Amrith and Masaki Kashiwara
- D. Joel Mokyr and Philippe Aghion

Q91 General Awareness

When was the Union Budget 2025–26 presented in Parliament by Finance Minister Nirmala Sitharaman?

- A. 2 February 2025
- B. 31 January 2025
- C. 3 February 2025
- D. 1 February 2025 ✓

Q92 General Awareness

Which of the following Indian states had the honour of hosting the 38th National Games in 2025?

- A. Karnataka
- B. Maharashtra
- C. Goa
- D. Uttarakhand ✓

Q93 General Awareness

Which of the following schemes, announced by the Government of India, has a total outlay of ₹1 lakh crore to support high-risk, high-impact research and innovation projects across science & technology disciplines?

- A. Atmanirbhar Bharat R&D Programme
- B. Research, Development & Innovation Scheme ✓
- C. National Science & Technology Fund
- D. Digital India Innovation Fund

Q94 General Awareness

How many consecutive Australian Open titles has Jannik Sinner won as of 2025?

- A. Two ✓
- B. One
- C. Four
- D. Three



Q95 General Awareness

In September 2025, which company did BCCI announce as Team India's new lead sponsor?

- A. Dream11
- B. MPL Sports
- C. Byju's
- D. Apollo Tyres

**Q96 General Awareness**

Which co-operative bank's licence was cancelled by the Reserve Bank of India (RBI) in May 2025 for capital shortfall?

- A. Punjab and Maharashtra Co-operative Bank
- B. HCBL Co-operative Bank
- C. Ajantha Urban Co-operative Bank
- D. Seva Vikas Co-operative Bank

**Q97 General Awareness**

Which organisation released the 'Global Risks Report, 2025', outlining geopolitical, environmental and technological threats?

- A. Organisation for Economic Co-operation and Development (OECD)
- B. World Economic Forum (WEF)
- C. United Nations Development Programme (UNDP)
- D. International Monetary Fund (IMF)

**Q98 General Awareness**

In September 2025, the Supreme Court directed the Election Commission of India to treat which of the following documents as the 12th valid proof of identity for inclusion in Bihar's revised voters' list?

- A. Employment Card
- B. PAN Card
- C. Health ID
- D. Aadhaar Card

**Q99 General Awareness**

As per the PIB report, which of the following National Telemedicine Services has served more than 36 crore patients through teleconsultation by 6 April 2025?

- A. mHealth
- B. U-WIN
- C. T-SeHAT
- D. eSanjeevani

**Q100 General Awareness**

Which of the following telecom providers introduced the soft launch of their homegrown Quantum 5G Fixed-Wireless-Access (FWA) system in Hyderabad on 18 June 2025?

- A. Bharat Sanchar Nigam Limited
- B. Reliance Jio
- C. Bharti Airtel
- D. Vodafone Idea



General Science

25 Questions • Answer Key

Q1 General Science

A certain force acting on a 20 kg mass changes its velocity from 5 m/s to 2 m/s. Calculate the work done by this force.

- A. 210 J
- B. -210 J
- C. -420 J
- D. 420 J



Q2 General Science

Which subatomic particle has a negative charge but negligible mass?

- A. Neutron
- B. Nucleons
- C. Proton
- D. Electron



Q3 General Science

What is the correct symbol for the element sodium?

- A. So
- B. Na
- C. Sd
- D. S



Q4 General Science

A wire with resistance R is cut into seven equal parts. These parts are then connected in parallel. If the equivalent resistance of this new combination is R' , what is the value of the ratio R / R' ?

- A. $1/7$
- B. 49
- C. 7
- D. $1/49$



Q5 General Science

A characteristic feature that is NOT associated with soap is:

- A. micelles formation
- B. hydrophobic tail
- C. works perfectly with hard water
- D. hydrophilic head



Q6 General Science

Pair the term to complete the analogy.

Chlorophyll : Green pigment :: Starch : ____.

- A. Oxygen carrier
- B. Energy storage
- C. Protein
- D. Water source



Q7 General Science

Which of the following is true?

- A. Advanced sunrise and delayed sunset is due to atmospheric refraction.
- B. Advanced sunrise and delayed sunset is due to Earth's rotation only.
- C. Advanced sunrise and delayed sunset is due to scattering of light.
- D. Advanced sunrise is due to scattering and delayed sunset is due to refraction.



Q8 General Science

Sodium, carbon and oxygen elements are present in Washing Soda. Select the INCORRECT symbol of these elements.

- A. O
- B. C
- C. SO
- D. Na



Q9 General Science

The diameter of the reflecting curved surface of a spherical mirror is called ____.

- A. Pole
- B. Focal length
- C. Aperture
- D. Radius of curvature



Q10 General Science

Which of the following statements is correct?

- A. The SI units of weight and mass are the same
- B. Weight is independent of gravity
- C. Mass is the amount of matter in an object ✓
- D. Mass changes with location

Q11 General Science

The tongue helps in digestion mainly by _____.

- A. absorbing nutrients
- B. crushing food into smaller pieces
- C. secreting digestive enzymes
- D. mixing food with saliva ✓

Q12 General Science

In a domestic circuit, the live wire is generally of which colour?

- A. Green
- B. Yellow
- C. Red ✓
- D. Black

Q13 General Science

The molecules of an element are constituted by:

- A. the difficult type of atoms
- B. the complex type of atoms
- C. the same type of atoms ✓
- D. the different type of atoms

Q14 General Science

What is the effect of oral contraceptive pills in the body of human females?

- A. They prevent maturation of primary oocyte. ✓
- B. They block the passage of sperms in vagina.
- C. They are toxic to the incoming sperms.
- D. They create a physical barrier in fallopian tube.

Q15 General Science

According to Mendel, when a tall pea plant (TT) is crossed with a short pea plant (tt), the F1 offspring will be:

- A. 50% tall (Tt), 50% short (tt)
- B. all tall (Tt) ✓
- C. all short (tt)
- D. 75% tall (TT/Tt), 25% short (tt)

Q16 General Science

Which of the following is NOT an abiotic resistance for crop?

- A. Drought
- B. Heat
- C. Insects ✓
- D. Salinity

Q17 General Science

Which of the following statements about lysosomes is correct?

- A. Lysosomes contain digestive enzymes. ✓
- B. Lysosomes synthesise fats.
- C. Lysosomes contain growth hormones.
- D. Lysosomes synthesise proteins.

Q18 General Science

Which of the following is an example of uniform circular motion?

- A. A satellite orbiting the Earth ✓
- B. A person walking in a straight line
- C. A ball thrown vertically upwards
- D. A car moving on a straight road

Q19 General Science

What is the purpose of anodising aluminium metals?

- A. To increase its electrical conductivity
- B. To reduce its melting point
- C. To make it more reactive with air
- D. To form a protective oxide layer ✓



Q20 General Science

Which of the following pairs of elements has the same number of neutrons?

A. B, C



B. He, Li

C. Li, Be

D. Be, B

Q21 General Science

Which of the following is the correct way to reduce reverberations?

A. Using sound-absorbent materials



B. Using hard concrete floor

C. Removing furniture

D. Using marble walls

Q22 General Science

In the context of a reflex arc, which part of the nervous system is responsible for receiving and transmitting signals from external stimuli?

A. Motor neurons

B. Effector muscle

C. Sensory neurons



D. Relay neurons

Q23 General Science

Refer to the two statements given below and select the correct option.

Statement A: Ethanoic acid reacts with sodium hydroxide to form sodium acetate and water.

Statement B: This reaction is neutralisation.

A. Both statements A and B are incorrect.

B. Statement A is correct but statement B is incorrect.

C. Both statements A and B are correct.



D. Statement A is incorrect but statement B is correct.

Q24 General Science

When a rocket is launched upward, the forces on it are _____.

A. Only gravitational

B. Unbalanced



C. Equal in all directions

D. Balanced

Q25 General Science

Which part in the ovule helps in guiding the pollen tube (carrying sperm nuclei) towards the female gamete?

A. Endosperm

B. Antipodal cells

C. Style

D. Synergids

**Mathematics**

25 Questions • Answer Key

Q26 Mathematics

A seller makes a loss of 5% by selling a shirt for ₹1,000. He would have made x% profit by selling for ₹1,400. Find the value of x.

A. 30.5

B. 33



C. 34

D. 31.2

Q27 Mathematics

The cost of a washing machine is 25% less than the cost of a TV. If the cost of the washing machine increases by 87% and that of the TV decreases by 45%, then what is the percentage change in the total cost of 4 washing machines and 5 TVs?

A. Increase by 5.2%

B. Decrease by 9%

C. Increase by 4.5%



D. Decrease by 4%



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Q28 Mathematics

In a test, B got 50 marks while A got 75 marks, out of 105 maximum marks. What percentage of A's marks was B's marks? (Round off your answer to two decimal places.)

- A. 105.12%
- B. 150.57%
- C. 71.43%
- D. 66.67%

**Q29 Mathematics**

The average of 13 numbers is 7. If each number is multiplied by 3, then what will the new average be?

- A. 7
- B. 21
- C. 3
- D. 13

**Q30 Mathematics**

Find a single discount (approximately) equal to three consecutive discounts of 7%, 10% and 15%.

- A. 29.49%
- B. 31.22%
- C. 30.16%
- D. 28.85%

**Q31 Mathematics**

The mode of the observations 9, 6, 8, 1, 9, 6, 4, 5, 7, 1, 6, 5, 3, 6, 6, 3 and 3 is:

- A. 1
- B. 6
- C. 9
- D. 8

**Q32 Mathematics**

The monthly incomes of two friends Mohan and David, are in the ratio 5 : 8, respectively, and each of them saves ₹75,000 every month. If the ratio of their monthly expenditure is 1 : 4, find the monthly income of Mohan(in ₹).

- A. 93,750
- B. 94,750
- C. 92,750
- D. 1,31,250

**Q33 Mathematics**

Two trains, 232 m and 248 m in length, are running in opposite directions. The first runs at the rate of 51 km/hr and the second at the rate of 57 km/hr. How long will they take to cross each other?

- A. 26 seconds
- B. 22 seconds
- C. 11 seconds
- D. 16 seconds

**Q34 Mathematics**

Malati bought 5 rose plants and 9 jasmine plants for ₹1,410 and her friend Rani bought 6 rose plants and 5 jasmine plants for ₹1,170. Find the prices (in ₹) of 1 rose and 1 jasmine plant, respectively.

- A. 120; 90
- B. 90; 120
- C. 132; 94
- D. 115; 87

**Q35 Mathematics**

Find the simple interest (in ₹) on ₹2,000 at 7% per annum rate of interest for the period from 5 February 2023 to 19 April 2023.

- A. 28
- B. 29
- C. 26
- D. 27

**Q36 Mathematics**

The number of diagonals of an n-sided regular polygon is 665. What is the value of 'n'?

- A. 35
- B. 40
- C. 38
- D. 33



Q37 Mathematics

A cistern has two inlet pipes, A and B, and one outlet pipe, C. Pipe A can fill the cistern alone in 15 hours, pipe B in 18 hours, and pipe C can empty it in 27 hours. For the first 5 hours, pipes A and B are opened together. Then, for the next 12 hours, pipes B and C are opened together. After that, only pipe B works. How long will pipe B alone take to fill the remaining part of the cistern?

A. 5 hours

B. 3 hours



C. 4 hours

D. 6 hours

Q38 Mathematics

16 m, 20 m and 24 m are the dimensions of a room. Find the length (in m) of the greatest possible scale to measure all dimensions exactly.

A. 9

B. 5

C. 6

D. 4

**Q39 Mathematics**

P and Q together can fill a cistern with water in 12 hours. If P alone can fill the cistern with water in 24 hours, then in how many hours will Q alone fill one-fourth of the same cistern with water?

A. 6



B. 12

C. 7

D. 13

Q40 Mathematics

Five years ago, Meera was three times as old as her niece, Kavya. Seven years from now, Meera will be twice as old as Kavya. What is Meera's current age (in years)?

A. 45

B. 39

C. 43

D. 41

**Q41 Mathematics**

Simplify:

$$[(3x + 5y)^2 - 60xy] \div [(3x - 5y)^2]$$

A. -1

B. -2

C. 2

D. 1

**Q42 Mathematics**

₹10,415 is divided among P, Q, and R in such a way that if ₹62, ₹17, and ₹79 are deducted from their respective shares, they have money in the ratio 15:10:14. Find the difference between the original shares of Q and R.

A. ₹902

B. ₹1,114



C. ₹1,202

D. ₹1,152

Q43 Mathematics

The prices of each article of types P, Q, and R are ₹280, ₹180 and ₹100, respectively. Kishore buys articles of each type in the ratio 3 : 4 : 5 in ₹6,180. How many articles of type Q did he purchase?

A. 20

B. 18

C. 12



D. 9

Q44 Mathematics

An item with a marked price of ₹657 was sold for ₹526. What was the percentage of discount given? (Round off the answer to two decimal places.)

A. 17.13%

B. 19.94%



C. 23.93%

D. 17.29%



Q45 Mathematics

If m and n are positive integers and $(m - n)$ is an even number, then $(m^2 - n^2)$ will always be divisible by:

A. 5

B. 4

C. 7

D. 6

**Q46** Mathematics

Find the value of x in the following expression

$$(0.36)^3 \times (0.216)^3 \div (0.1296)^3 = (60 \div 100)^{x+1}.$$

A. 3

B. 2

C. 1

D. 0

**Q47** Mathematics

A train of length 282 m takes 12 seconds to pass over another train 248 m long coming from the opposite direction. If the speed of the first train is 68 km/hr, then find the speed of the second train.

A. 82 km/hr

B. 89 km/hr

C. 96 km/hr

D. 91 km/hr

**Q48** Mathematics

In a right-angled triangle ABC, right-angled at B, if $\tan A = \frac{3}{4}$, then find cosec A.

A. $\frac{5}{3}$

B. $\frac{5}{2}$

C. $\frac{4}{3}$

D. $\frac{3}{2}$

**Q49** Mathematics

The length, breadth and height of a cuboid are in the ratio 6 : 5 : 4 and its volume is $810000\sqrt{2}$ cm³. Find its surface area.

A. 65600 cm²

B. 66600 cm²

C. 68600 cm²

D. 67600 cm²



Q50 Mathematics

The area of a triangle is one — third of the area of a parallelogram, whose base is 24 cm. Find the height of the parallelogram, if the sides of the triangle are 22 cm, 18 cm and 24 cm long, respectively.

(Use $\sqrt{35} = 5.9$)

A. 23.6 cm



B. 18.2 cm

C. 21.8 cm

D. 26.4 cm

General Intelligence & Reasoning

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) @ 3 6 7 & 8 # & + \$ 1 ? 9 1 + 7 1 # # < 2 (Right)

How many such symbols are there, each of which is immediately preceded by another symbol and also immediately followed by a number?

A. Three

B. None

C. One

D. Two

**Q52 General Intelligence & Reasoning**

What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$12 \div 5 + 21 \times 3 - 2 = ? + 5$$

A. 60



B. 45

C. 55

D. 50

Q53 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All parks are huts.
All huts are districts.
All districts are cities.

Conclusions:

(I) All parks are districts.
(II) All huts are cities.

A. Only conclusion (I) follows

B. Only conclusion (II) follows

C. Neither conclusion (I) nor (II) follows

D. Both conclusions (I) and (II) follow

**Q54 General Intelligence & Reasoning**

Ajay drives 10 km from Point A towards the east. He then takes a right turn, drives 5 km, turns left and drives 10 km. He takes a final left turn, drives 5 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified)

A. 20 km towards north

B. 20 km towards east

C. 15 km towards south

D. 20 km towards west



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Q55 General Intelligence & Reasoning

In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

FACE - AFCE - ECAF
CASE - ACSE - ESAC

- A. LONG - OLNG - ONGL
- B. TEAM - TAEM - MAET
- C. MAIN - AMIN - NIAM
- D. GONE - OGNE - EONG

Q56 General Intelligence & Reasoning

Refer to the given series and answer the question that follows (all numbers are single digit numbers only).
Counting to be done from left to right only.

(Left) 1 9 9 7 7 5 6 4 3 3 3 1 5 9 7 9 4 9 1 2 5 7 9 5 8 5 2
(Right)

How many such even numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- A. 3
- B. 2
- C. 5
- D. 4

Q57 General Intelligence & Reasoning

All 61 people are standing in a row facing north. Z is 16th from the left end while G is 7th from the right end. How many people are there between Z and G?

- A. 38
- B. 41
- C. 40
- D. 37

Q58 General Intelligence & Reasoning

KIGK is related to JHFJ in a certain way based on the English alphabetical order. In the same way, JHFJ is related to IGEI. To which of the following is SQOS related, following the same logic?

- A. RPMR
- B. RPNR
- C. ROMR
- D. RQMS

Q59 General Intelligence & Reasoning

All 87 people are standing in a row, facing the north. Mr. Zzz is 11th from the right end while Mr. Ggg is 26th from the left end.
How many people are there between Mr. Zzz and Mr. Ggg?

- A. 53
- B. 50
- C. 51
- D. 52

Q60 General Intelligence & Reasoning

In a certain code language, OAVY is coded as 56 and SIXT is coded as 47. What is the code for TMZB in that language?

- A. 58
- B. 55
- C. 63
- D. 60

Q61 General Intelligence & Reasoning

A, B, C, D, E, F and G are sitting around a circular table facing the centre. Only two people sit between F and G when counted from the left of G. A sits third to the left of E. C sits to the immediate right of E. C sits second to the left of F. B is an immediate neighbour of A. How many people sit between D and F when counted from the right of F?

- A. 5
- B. 2
- C. 3
- D. 0

Q62 General Intelligence & Reasoning

In a certain code language,
P + Q means 'P is the husband of Q',
P # Q means 'P is the brother of Q',
P & Q means 'P is the mother of Q' and
P % Q means 'P is the sister of Q'.

How is S related to M if 'S # D + V & I % M'?

- A. Father's mother
- B. Father's father
- C. Wife's father
- D. Father's brother



Q63 General Intelligence & Reasoning

What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$24 \div 19 + 84 \times 7 - 127 = ?$$

A. 571



B. 523

C. 587

D. 594

Q64 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

115 85 60 40 25 ?

A. 5

B. 10

C. 20

D. 15

**Q65 General Intelligence & Reasoning**

In a certain code language, "TMCB" is coded as "76" and "GKIR" is coded as "90". What is the code for "VAPD" in that language?

A. 80

B. 91

C. 88

D. 86

**Q66 General Intelligence & Reasoning**

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

VAE27 , OTX44 , HMQ61 , AFJ78 , ?

A. VYC95

B. TYD95

C. TYC95



D. TUC95

Q67 General Intelligence & Reasoning

Refer to the given number series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 1 7 2 5 8 5 5 2 2 7 8 4 3 7 6 4 1 6 1 2 9 1 5 6 8 3 2 4 8 5
(Right)

How many such odd digits are there, each of which is immediately preceded by a perfect square digit and also immediately followed by a prime digit? (NOTE: 1 is also a perfect square.)

A. More than three

B. One

C. Two

D. Three

**Q68 General Intelligence & Reasoning**

CPWG is related to XTTI in a certain way. In the same way, NILC is related to IMIE. To which of the given options is OKZD related, following the same logic?

A. KPVE

B. JOWF



C. JPWE

D. KOVF

Q69 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. GK - FJ

B. RV - QV



C. LP - KO

D. UY - TX



Q70 General Intelligence & Reasoning

Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) # 4 ^ 8 8 < 2 / \$ 7 \$ \ 1 & ^ 8 4 \ ? \ 8 (Right)

How many such numbers are there, each of which is immediately preceded by another number and also immediately followed by a symbol?

- A. One
- B. Two
- C. None
- D. Three

**Q71 General Intelligence & Reasoning**

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statement(s).

Statements:

Some seeds are berries.
All fruits are berries.

Conclusions:

- (I) Some seeds are fruits
- (II) All berries are fruits

- A. Only conclusion (I) follows
- B. Both conclusions (I) and (II) follow
- C. Neither conclusion (I) nor (II) follows
- D. Only conclusion (II) follows

**Q72 General Intelligence & Reasoning**

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(25, 72, 194)
(32, 80, 224)

- A. (45, 89, 268)
- B. (56, 98, 312)
- C. (74, 88, 304)
- D. (91, 65, 310)

**Q73 General Intelligence & Reasoning**

Seven friends, B, C, D, T, U, V and W, are sitting in a straight line facing north. Only three people sit between C and W. D sits to the immediate left of W. No one sits to the right of B. Only two people sit between B and D. T sits to the immediate right of V. How many people sit between U and T?

- A. Four
- B. Three
- C. One
- D. Two

**Q74 General Intelligence & Reasoning**

Ajeet starts from Point Y and drives 12 km towards the north. He then turns right and drives 33 km, takes a right and drives 67 km. He then takes a right turn and drives 48 km. He takes a right turn, drives 55 km, turns left and drives 27 km to stop at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again? (All turns are 90-degree turns only unless specified.)

- A. 48 km towards the east
- B. 42 km towards the east
- C. 46 km towards the west
- D. 44 km towards the west

**Q75 General Intelligence & Reasoning**

If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark (?) in the following equation?

49 B 9 D 609 A 7 C 214 = ?

- A. 568
- B. 545
- C. 524
- D. 536

**Q76 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

YIS WKO UMK SOG ?

- A. QWS
- B. QCC
- C. QQC
- D. QXZ



Q77 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

84 86 90 92 96 ?

A. 100

B. 97

C. 98



D. 99

Q78 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

2 2 ? 12 48 240

A. 4



B. 8

C. 6

D. 10

Q79 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. FMI

B. LSO

C. PWS

D. NJI

**Q80 General Intelligence & Reasoning**

A, B, C, D, E, F and G are sitting around a circular table, facing the centre.

C sits third to the left of F. B sits second to the left of E. F is an immediate neighbour of both G and B. D is not an immediate neighbour of C.

How many people sit between B and D, when counted from the right of B?

A. 2

B. 1

C. 0



D. 3

General Awareness

20 Questions • Answer Key

Q81 General Awareness

In which year did Armand Duplantis break the pole vault world record for the 12th time?

A. 2022

B. 2025



C. 2024

D. 2023

Q82 General Awareness

In which city was the 2025 Laureus World Sports Awards ceremony held?

A. Rome

B. London

C. Madrid



D. Paris

Q83 General Awareness

On 5–6 February 2025, the national executive council meetings of FICCI and CII converged at BGBS in which city?

A. New Delhi

B. Kolkata



C. Surat

D. Raipur

Q84 General Awareness

Which authority launched a scheme in Greater Noida in June 2025 to promote medical device manufacturing?

A. Government of UP



B. Government of India

C. Noida Development Authority

D. Government of Delhi NCR



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Q85 General Awareness

Which edition of the Khelo India Youth Games was held in 2025?

A. 5th

B. 7th



C. 4th

D. 6th

Q86 General Awareness

By June 2025, to which stance did the Reserve Bank of India shift back after moving away from its accommodative policy?

A. Restrictive

B. Dovish

C. Withdrawn

D. Neutral

**Q87 General Awareness**

In June 2025, which district was officially declared the first single-use plastic (SUP)-free district in Odisha?

A. Bargarh

B. Nuapada



C. Rayagada

D. Kalahandi

Q88 General Awareness

Which of the following was hosted by IIT Mandi in June 2025, focusing on mental health applications?

A. Mental Health Innovation Forum

B. Mind, Brain, and Consciousness Conference



C. Brain Science Symposium

D. Health and Mind Summit

Q89 General Awareness

A new complex of India's first bio-manufacturing institute, BRIC-National Agri-Food Bio-Manufacturing Institute (BRIC-NABI), aimed at enhancing India's agri-food sector through advanced biotechnology, was inaugurated at ____ in October 2024.

A. Mohali



B. Guwahati

C. Chennai

D. Ahmedabad

Q90 General Awareness

At which venue was the opening ceremony of the Khelo India Youth Games, 2025, held?

A. Patliputra Sports Complex



B. Rajgir Sports Complex

C. Indira Gandhi Indoor Stadium

D. Jawaharlal Nehru Stadium

Q91 General Awareness

Which Ministry gave the idea of a common board for class 10 and 12 in seven states?

A. Ministry of Social Welfare

B. Ministry of Finance

C. Ministry of Education



D. Ministry of Defense

Q92 General Awareness

In April 2025, the Monetary Policy Committee (MPC) reduced the policy repo rate by 25 basis points, bringing it down to ____.

A. 6.25%

B. 6.00%



C. 5.50%

D. 5.75%

Q93 General Awareness

In the November 2025 by-elections, elections were held for the Assembly constituency in which of the following northeastern states?

A. Nagaland

B. Meghalaya

C. Arunachal Pradesh

D. Mizoram

**Q94 General Awareness**

In 2025, the Krasheninnikov Volcano erupted after several centuries, releasing a massive ash plume. In which region is this volcano located?

A. Sakhalin Island

B. Kamchatka Peninsula



C. Ural Mountains

D. Siberia



Q95 General Awareness

Who is the author of 'Lords of Earth and Sea: A History of the Chola Empire', published in 2025?

- A. Shashi Tharoor
- B. RK Narayan
- C. KK Aziz
- D. Anirudh Kanisetti



Q96 General Awareness

Under the National Green Hydrogen Mission, what scheme was launched by the Ministry of New and Renewable Energy (MNRE) in April 2025?

- A. Renewable Hydrogen Exchange Scheme
- B. Blue Hydrogen Regulation Scheme
- C. Carbon Capture Scheme
- D. Green Hydrogen Certification Scheme



Q97 General Awareness

The ICCON-2025 MEE report covered how many national parks and sanctuaries?

- A. 438
- B. 100
- C. 250
- D. 500



Q98 General Awareness

With which tech behemoth has the Indian company Infosys recently partnered to create a generative AI solution for telecom operators?

- A. Open AI
- B. Nvidia
- C. Google
- D. IBM



Q99 General Awareness

In April 2025, which protected area was officially notified as India's 107th national park?

- A. Bhitarkanika
- B. Similipal
- C. Hemis
- D. Ranthambore



Q100 General Awareness

The National Conference on "Strengthening Legal Aid Delivery Mechanisms" in November 2025 was inaugurated at ____.

- A. Sansad Bhavan, New Delhi
- B. Rashtrapati Bhavan, New Delhi
- C. National Judicial Academy, Bhopal
- D. Supreme Court of India, New Delhi



General Science

25 Questions • Answer Key

Q1 General Science

Which of the following is formed by a chemical reaction?

- A. Air
- B. Brass
- C. Soil
- D. Water



Q2 General Science

In a v-t graph, if the slope keeps changing, it means:

- A. displacement is zero
- B. acceleration is uniform
- C. acceleration is non-uniform
- D. speed is constant



Q3 General Science

What is the difference in molecular mass between two successive members of a homologous series?

- A. 12u
- B. 16u
- C. 14u
- D. 18u



Q4 General Science

Power measures:

- A. the energy stored in an object
- B. how fast or slow work is done
- C. the height of an object
- D. the total work done



Q5 General Science

What is the name of the long, fibre-like part of a neuron that carries signals away from the cell body?

- A. Dendrite
- B. Synapse
- C. Nucleus
- D. Axon



Q6 General Science

What will happen if the dendrites of neurons do not function?

- A. Muscles will contract more strongly
- B. Neurons will produce more electrical impulses
- C. Signals from other neurons will not be received
- D. Signals will be transmitted faster



Q7 General Science

Which of the following conditions DOES NOT support an increase in the rate of evaporation?

- A. An increase in humidity
- B. An increase of temperature
- C. An increase in wind speed
- D. An increase of surface area



Q8 General Science

Which of the following is NOT correct?

- A. A 5D lens has focal length 20 m.
- B. The SI unit of power of lens is Dioptre (D).
- C. A 2D lens has focal length 0.5 m.
- D. 1 Dioptre = focal length of 1 m.



Q9 General Science

A stethoscope helps a doctor hear a patient's heartbeat clearly. Which principle does a stethoscope use for this purpose?

- A. Multiple reflection of sound
- B. Interference of sound
- C. Refraction of sound
- D. Diffraction of sound



Q10 General Science

Metallurgy is:

- A. heating sulphide ore in excess of air
- B. prevention of iron from corrosion
- C. removing gangue from ores
- D. extraction of metals in pure form from their ores



Q11 General Science

What happens to the particles in a suspension when the mixture is left undisturbed?

- A. The mixture is stable and does not require stirring.
- B. The mixture is clear and transparent.
- C. The particles settle down when left undisturbed. ✓
- D. The particles are dissolved in the solvent.

Q12 General Science

If the distance (d) between the Earth and the Moon decreases gradually, then what will happen to the gravitational force (F) between them?

- A. Decreases
- B. Increases ✓
- C. Remains constant
- D. First increases and then decreases

Q13 General Science

Which of the following gives H^+ ions in an aqueous solution?

- A. Sodium hydroxide
- B. Ammonium hydroxide
- C. Calcium hydroxide
- D. Hydrochloric acid ✓

Q14 General Science

Three resistors of $2\ \Omega$, $3\ \Omega$, and $6\ \Omega$ are connected in parallel. The equivalent resistance of the combination is:

- A. $6\ \Omega$
- B. $3\ \Omega$
- C. $1\ \Omega$ ✓
- D. $11\ \Omega$

Q15 General Science

Which of the following cause(s) movement in muscular tissue?

- A. Ligaments
- B. Enzymes
- C. Contractile proteins ✓
- D. Cartilage

Q16 General Science

The distance between the pole and the centre of curvature of a concave mirror is -50 cm . If the magnification produced is (-1) by this mirror, then what will be the object and the image distance, respectively?

- A. -50 cm and -50 cm ✓
- B. -50 cm and $+50\text{ cm}$
- C. $+50\text{ cm}$ and $+50\text{ cm}$
- D. $+50\text{ cm}$ and -50 cm

Q17 General Science

In plants, asexual reproduction involves _____.

- A. fusion and fertilisation
- B. fusion of male and female gametes
- C. both parent organisms
- D. only one parent organism ✓

Q18 General Science

Why is the female body specifically prepared every month for pregnancy?

- A. To improve blood circulation
- B. To remove waste products
- C. To nourish the potential embryo ✓
- D. To release more sperm

Q19 General Science

Which of the following plants reproduces by means of spores?

- A. Egg plant
- B. Moss ✓
- C. Gram
- D. Rose

Q20 General Science

Based on the concept of electrical resistance, how are conductors, resistors, and insulators primarily differentiated?

- A. By their ability to generate heat upon current flow
- B. By their chemical composition (e.g., metal vs. non-metal)
- C. By the ease or difficulty with which they allow the flow of electric charge ✓
- D. By their length and area of cross-section



Q21 General Science

Which of the following conditions is essential for chlorine to react rapidly with an alkane?

- A. High temperature
- B. Sunlight
- C. Presence of oxygen
- D. High pressure

**Q22 General Science**

When magnesium reacts with dilute hydrochloric acid, the products are:

- A. magnesium chloride and hydrogen
- B. magnesium chloride and oxygen
- C. magnesium hydroxide and hydrogen
- D. magnesium oxide and water

**Q23 General Science**

An athlete runs around a circular track with radius r , completing one full round in t seconds. Which of the following correctly represents the athlete's speed v ?

- A. $v = 2\pi r/t$
- B. $v = 2\pi r \times t$
- C. $v = t/2\pi r$
- D. $v = r/2\pi t$

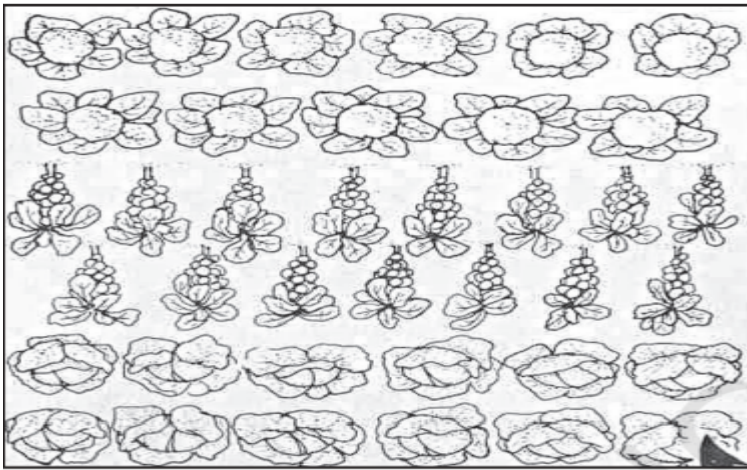
**Q24 General Science**

During photosynthesis, plants take in carbon dioxide and water in the presence of _____.

- A. oxygen and light
- B. glucose and water
- C. energy and starch
- D. sunlight and chlorophyll

**Q25 General Science**

Identify the cropping pattern in the given picture.



- A. Mixed cropping
- B. Terrace farming
- C. Inter cropping
- D. Crop rotation

**Mathematics**

25 Questions • Answer Key

Q26 Mathematics

Find the HCF of the numbers 2520, 3600, 5880.

- A. 100
- B. 120
- C. 140
- D. 180



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Q27 Mathematics

In an election, 30% of the total votes were declared invalid. Of the remaining valid votes, 60% were cast for the winning candidate. What percentage of the total votes did the losing candidate receive?

A. 40%

B. 28% ☒

C. 15%

D. 35%

Q28 Mathematics

The area of an isosceles triangle is 48 square units. The unequal side (base) has a length of 12 units. Find the perimeter (in units) of the triangle.

A. 24

B. 32 ☒

C. 36

D. 28

Q29 Mathematics

A cyclist travels 150 km in 5 hours and then another 90 km in 3 hours. What is the average speed of the cyclist for the entire journey?

A. 45 km/hr

B. 35 km/hr

C. 40 km/hr

D. 30 km/hr ☒

Q30 Mathematics

Arohi buys 3 apples and 5 bananas for ₹85, while Rhea buys 2 apples and 4 bananas for ₹60. What is the total cost (in ₹) of one apple and one banana?

A. 18

B. 20

C. 25 ☒

D. 30

Q31 Mathematics

A, B and C can do a piece of work in 3, 18 and 9 days, respectively. How long (in days) will they take to do twice the same work, working together?

A. 8

B. 4 ☒

C. 12

D. 5

Q32 Mathematics

The arithmetic mean of the observations 27, 69, 15, 88, 15, 54, 53, 20 and 19 is:

A. 50

B. 31

C. 40 ☒

D. 37

Q33 Mathematics

Two banks, A and B, offered loans at 3.5% and 7.5% per annum, respectively. Ashish borrowed an amount of ₹2,60,000 from each bank. Find the positive difference (in ₹) between the amounts of simple interest paid to the two banks by Ashish after 3 years.

A. 32,700

B. 32,200

C. 30,700

D. 31,200 ☒

Q34 Mathematics

A triangle has sides of length 13 cm, 14 cm and 15 cm. Find the area of the triangle.

A. 92 cm²

B. 84 cm² ☒

C. 72 cm²

D. 88 cm²

Q35 Mathematics

Pushparaj and Himani together invested ₹48,600 in a business. At the end of the year, out of a total profit of ₹6,600, Pushparaj's share was ₹2,200. What was the investment of Pushparaj?

A. ₹17,170

B. ₹16,200 ☒

C. ₹15,365

D. ₹17,280

Q36 Mathematics

The selling price of an iPhone is ₹5,400, after allowing two successive discounts of 10% and 36%. Find the marked price of the iPhone.

A. ₹9,375 ☒

B. ₹9,294

C. ₹9,511

D. ₹9,403



Q37 Mathematics

If the mean proportional of P and 242 is 88, then find the value of P.

A. 35

B. 32



C. 31

D. 34

Q38 Mathematics

After selling an article at a discount of 27%, the profit percentage obtained is 36%. What is the mark-up percentage (rounded off to two decimal places)?

A. 86.30%



B. 83.64%

C. 88.29%

D. 84.01%

Q39 Mathematics

An 8-digit number is divisible by 45. If the digits are rearranged, then the number must be divisible by:

A. 5

B. 15

C. 3



D. 45

Q40 Mathematics

A person travels 60 km by car at a speed of 50 km/hr, then 80 km by bus at a speed of 40 km/hr and finally 100 km by train at a speed of 80 km/hr. What is the average speed (rounded off two decimal places) of the person for the entire trip?

A. 53.93 km/hr



B. 48.93 km/hr

C. 61.93 km/hr

D. 59.93 km/hr

Q45 Mathematics

A kite is flying at a height of 75 m, and the string makes an angle of 60° with the ground. What is the length of the string?

A. $50\sqrt{3}$ m



B. 150 m

C. $\frac{75\sqrt{3}}{2}$ m

D. $75\sqrt{3}$ m

Q41 Mathematics

The father's age will be double his son's age after twenty years from now. If the father's age was seven times the son's age five years ago from now, then find their present ages (in years), respectively.

A. 40, 10



B. 42, 11

C. 38, 9

D. 46, 13

Q42 Mathematics

There is a polygon of 10 sides. How many triangles can be drawn using the vertices of the polygon?

A. 100

B. 150

C. 125

D. 120

**Q43 Mathematics**

A water tank can be filled in 12 hours using three pipes. Pipe Z is three times as fast as pipe C, and pipe C is twice as fast as pipe B. How long will it take pipe B alone to fill the tank?

A. 100 hours

B. 108 hours



C. 96 hours

D. 50 hours

Q44 Mathematics

If the mode of a data exceeds its mean by 10.8, then the mode exceeds the median by _____. (Use empirical formula to find the answer.)

A. 7.2



B. 12.9

C. 9.3

D. 15.5



Q46 Mathematics

If $x = 3 + 2\sqrt{2}$ and $y = 3 - 2\sqrt{2}$, find the value of $x^2 + y^2$ by direct calculation.

A. 26

B. 34



C. 36

D. 32

Q47 Mathematics

$\frac{1}{30}$ is what percentage of $\frac{1}{80}$ (rounded off to two decimal places)?

A. 276.67%

B. 533.33%

C. 266.67%



D. 281.67%

Q48 Mathematics

In a local election, there were 20,000 voters. Candidate A received 40% of the total votes, and Candidate B received 50% of the total votes. The remaining votes were split equally between two other candidates, C and D. How many votes did Candidate C receive?

A. 700

B. 1200

C. 1000



D. 600

Q49 Mathematics

The simplified value of $\sqrt{29 + \sqrt{41 + \sqrt{55 + \sqrt{81}}}}$ is:

A. 6



B. 5

C. 4

D. 3

Q50 Mathematics

A shopkeeper calculates his profit per cent on the selling price and his profit is 6.25%. Find his actual profit percentage.

A. 8%

B. 10%

C. $6\frac{2}{3}\%$



D. $7\frac{1}{7}\%$



Q51 General Intelligence & Reasoning

What will come in the place of '?' in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$163 \div 4 - 125 \times 5 + 19 = ?$$

A. 658



B. 662

C. 654

D. 666

Q52 General Intelligence & Reasoning

A, B, C, D, E and F are sitting around a circular table facing the centre. B sits second to the left of D. E is an immediate neighbour of B. A sits to the immediate left of B. C sits second to the right of D. F sits to the immediate left of C. What is the position of A with respect to C?

A. Immediate left

B. Second to the right

C. Immediate right



D. Second to the left

Q53 General Intelligence & Reasoning

If 'A' stands for '÷', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark (?) in the following equation?

$$14 \text{ B } 2 \text{ D } 18 \text{ A } 9 \text{ C } 12 \text{ C } 18 = ?$$

A. 56



B. 57

C. 54

D. 58

Q54 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only).

(Left) 5 6 3 8 1 4 7 9 2 5 8 3 7 4 6 1 9 2 8 3 7 4 (Right)

How many unique numbers in the series are prime numbers (each number counted only once, regardless of repetitions)?

A. Two

B. Four



C. Five

D. Three

Q55 General Intelligence & Reasoning

In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one that follows the same logic.

MAID - DAMI - AIMD

FOUR - ROFU - OUFR

A. HUNT - TUHN - UNHT



B. GOLD - OGLD - DOLG

C. LOAD - LAOD - DAOL

D. WENT - TEWN - NEWT

Q56 General Intelligence & Reasoning

In a certain code language, 'wet pig kit' is coded as 'zp ww hz' and 'thing kit head' is coded as 'ww ym ce'. How is 'kit' coded in that language?

A. ym

B. ww



C. hz

D. zp

Q57 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. KNM

B. SVU

C. ZDB



D. YBA

Q58 General Intelligence & Reasoning

In a city, a school is 18 km towards the north of a park. A hospital is 21 km towards the west of the school. A restaurant is 21 km towards the west of the park. How far and in which direction is the restaurant from the hospital?

A. 21 km, north

B. 21 km, south

C. 18 km, south



D. 18 km, north



Q59 General Intelligence & Reasoning

In a certain code language, 'what a surprise' is coded as 'kd oc ip' and 'what is it' is coded as 'kd mp co'. How is 'what' coded in that language?

A. kd



B. mp

C. ip

D. oc

Q60 General Intelligence & Reasoning

If '+' means '-', '-' means 'x', 'x' means '÷' and '÷' means '+', then what will come in place of the question mark (?) in the following equation?

$$7 - 2 + 45 \times 3 \div 11 = ?$$

A. 7

B. 10



C. 4

D. 15

Q61 General Intelligence & Reasoning

Seven people, A, B, C, D, E, F and G, are sitting in a row, facing the north.
Only 1 person sits to the left of E. Only 2 people sit between E and F. C sits immediately to the right of D. G sits immediately to the left of A. Only 1 person sits between F and D.
How many people sit between A and E?

A. 2

B. 4



C. 1

D. 3

Q62 General Intelligence & Reasoning

Which pair of numbers comes in place of the question marks (?) using the given pattern?

2, 6, 3, 24, 4, 60, 5, 120, ?, ?

A. 6, 36

B. 6, 216

C. 6, 504

D. 6, 210

**Q63 General Intelligence & Reasoning**

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. SW - QU

B. XE - VC

C. YO - WM

D. GT - EQ

**Q64 General Intelligence & Reasoning**

In a certain code language,
A ± B means 'A is the wife of B',
A * B means 'A is the sister of B',
A ₹ B means 'A is the father of B',
and A # B means 'A is the brother of B'.

How is D related to O if 'D ₹ R # A * C ± O'?

A. Mother's father

B. Wife's father



C. Father

D. Wife's brother

Q65 General Intelligence & Reasoning

O, P, Q, R, W, X and Y are sitting in a straight line facing north.

No one sits to the left of P. Only four people sit between P and Q. Only three people sit to the right of Y. X sits to the immediate left of R. W is not an immediate neighbour of Y. Who sits third to the left of W?

A. O

B. R

C. Y



D. Q



Q66 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some batteries are torches.
All clocks are torches.

Conclusions:

(I) Some batteries are clocks.
(II) All torches are clocks.

- A. Only conclusion (I) follows.
- B. Both conclusions (I) and (II) follow.
- C. Only conclusion (II) follows.
- D. Neither conclusion (I) nor (II) follows. ✓

Q67 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

HLE23, JJH21, LHK19, NFN17, ?

- A. PDQ15 ✓
- B. PDP18
- C. PEQ18
- D. PEP15

Q68 General Intelligence & Reasoning

In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one that follows the same logic.

COLD - DLCO - CLOD
HOUR - RUHO - HUOR

- A. SUIT - SIUT - TIUS
- B. BUGS - SGBU - UGBS
- C. RICE - ICER - ICER
- D. GREY - YEGR - GERY ✓

Q69 General Intelligence & Reasoning

Ravindra starts from Point Y and drives 18 km towards north. He then takes a right turn, drives 45 km, turns right and drives 42 km. He then takes a right turn and drives 26 km. He takes a right turn, drives 89 km. He then turns left, drives 19 km to stop at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again?

All turns are 90° turns only unless specified.)

- A. 64 km towards west
- B. 67 km towards north
- C. 65 km towards south ✓
- D. 61 km towards east

Q70 General Intelligence & Reasoning

Seven boxes, L, M, N, O, Q, R and S, are kept one over the other but not necessarily in the same order. Q is kept second from the bottom. Only three boxes are kept between Q and S. R is kept at one of the positions below Q. Only N is kept between S and L. Only two boxes are kept between L and O. How many boxes are kept between M and S?

- A. Zero
- B. Three
- C. One
- D. Two ✓

Q71 General Intelligence & Reasoning

What should come in place of the question mark in the given series?

87 75 64 54 45 ?

- A. 37 ✓
- B. 41
- C. 33
- D. 35



Q72 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(48, 12, 4)
(30, 2, 15)

A. (38, 14, 3)

B. (70, 8, 9)

C. (64, 8, 6)

D. (26, 13, 2)

**Q73 General Intelligence & Reasoning**

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

RV23, QU32, PT41, OS50, ?

A. NR59



B. NR58

C. NS58

D. NS59

Q74 General Intelligence & Reasoning

In a row of 25 people facing north, Ujwala is 5th from the right end. If Siya sits 3rd to the left of Ujwala, then what is Siya's position from the left end of the row?

A. 20th

B. 18th



C. 19th

D. 17th

Q75 General Intelligence & Reasoning

This question is based on the five, three-digit numbers given below.

(Left) 192 574 563 189 567 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

What will be the resultant if the third digit of the highest number is added to the second digit of the lowest number?

A. 15

B. 11

C. 12



D. 13

Q76 General Intelligence & Reasoning

In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one that follows the same logic.

FOUR - ORUF - RUOF

RIFT - ITFR - TFIR

A. GRAM - GARM - MARG

B. HUTS - USTH - STUH



C. QUIT - UQIT - TUIQ

D. OPEN - POEN - NPEO

Q77 General Intelligence & Reasoning

Refer to the given series and answer the question that follows. (All numbers are single digit numbers only.) Counting to be done from left to right only.

(Left) 6 9 9 5 8 8 5 4 8 4 2 2 7 6 2 2 7 1 5 9 3 (Right)

How many such even digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

A. 3



B. 1

C. 4

D. 2



Q78 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some chairs are tables.
Some tables are helmets.

Conclusions:

(I): Some chairs are helmets.

(II): All helmets are tables.

A. Only conclusion (I) follows

B. Only conclusion (II) follows

C. Neither conclusion (I) nor (II) follows



D. Both conclusions (I) and (II) follow

Q79 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right.

(Left) 3 7 4 1 5 1 5 7 4 2 3 8 7 4 5 2 5 3 6 2 7 9 8 4 3 6 9

(Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

A. 4

B. 5

C. 2

D. 3

**Q80 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

74 65 55 44 32 ?

A. 21

B. 20

C. 18

D. 19

**General Awareness**

20 Questions • Answer Key

Q81 General Awareness

On 23 August 2025, the Defence Research and Development Organisation (DRDO) successfully carried out the inaugural flight trials of the Integrated Air Defence Weapon System (IADWS) off the shoreline in _____.

A. Tamil Nadu

B. West Bengal

C. Andhra Pradesh

D. Odisha

**Q82 General Awareness**

According to the World Bank's Spring 2025 Poverty and Equity Brief, what was India's extreme poverty rate in 2022-2023?

A. 1.5%

B. 3.2%

C. 1.3%

D. 2.3%

**Q83 General Awareness**

What is the projected space budget of India for the year 2025-26?

A. ₹43,416 crore

B. ₹33,416 crore

C. ₹23,416 crore

D. ₹13,416 crore

**Q84 General Awareness**

Which translator was awarded for translating Anuradha Sharma Pujari's Kanchan (Assamese) into Bodo (awarded in March 2025)?

A. Anjan Sarma

B. Basudeb Das

C. Suvash Satpathy

D. Uttara Bwiswmuthiary



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Q85 General Awareness

In 2025, which two Indian cities were recognised as 'Wetland Cities'?

- A. Agra and Surat
- B. Jabalpur and Dewas
- C. Udaipur and Indore
- D. Jhansi and Moradabad

**Q86 General Awareness**

Which Indian state was involved in a boundary dispute with Assam in 2025?

- A. Bihar
- B. Meghalaya
- C. Sikkim
- D. Himachal Pradesh

**Q87 General Awareness**

The women's Kabaddi World Cup, 2025, was won by:

- A. India
- B. Bangladesh
- C. Pakistan
- D. China

**Q88 General Awareness**

What was the new Cash Reserve Ratio (CRR) level after the December 2024 cut?

- A. 3.5%
- B. 4.5%
- C. 4.0%
- D. 5.0%

**Q89 General Awareness**

In the Union Budget, 2025-26, what is the key focus of the Sports Budget as announced by the Government of India?

- A. Nurturing young talent and infrastructure
- B. Promoting e-sports only
- C. Building stadiums abroad
- D. Funding private sports leagues

**Q90 General Awareness**

The Government of India launched a new programme named 'NAVYA' to provide vocational training to adolescent girls in non-traditional job roles. In which district was this programme first launched in June 2025?

- A. Jaipur, Rajasthan
- B. Bilaspur, Chhattisgarh
- C. Sonbhadra, Uttar Pradesh
- D. Raipur, Chhattisgarh

**Q91 General Awareness**

Which of the following was launched by the Ministry of New and Renewable Energy in September 2025, aligning with India's Net Zero and renewable energy goals?

- A. National Wind Energy Policy
- B. National Offshore Wind Energy Mission
- C. National Solar Energy Sustainability Framework
- D. National Policy on Geothermal Energy

**Q92 General Awareness**

Who among the following authored the 2025 book 'Original Sin'?

- A. Ron Suskind and Jonathan Martin
- B. Jake Tapper and Alex Thompson
- C. Bob Woodward and Carl Bernstein
- D. Michael Wolff and Maggie Haberman

**Q93 General Awareness**

In June 2025, the Government of India planned to shut down the National Polio Surveillance Network (NPSN) established by which international organisation?

- A. World Health Organization
- B. United Nations Development Programme
- C. World Bank
- D. United Nations Environment Programme

**Q94 General Awareness**

Which summit saw the participation of 16 states, the EU, and NATO in early March 2025?

- A. UN General Assembly
- B. London Summit on Ukraine
- C. Munich Security Conference
- D. Shangri-La Dialogue



Q95 General Awareness

Which jurist was designated as the 53rd Chief Justice of India on 30 October 2025 and assumed office on 24 November 2025?

A. Justice Surya Kant



B. Justice BV Nagarathna

C. Justice PS Narasimha

D. Justice Vikram Nath

Q96 General Awareness

Which honour was conferred upon cricketer R Ashwin by President Droupadi Murmu at Rashtrapati Bhavan in April 2025?

A. Padma Bhushan

B. Padma Shri



C. Arjuna Award

D. Padma Vibhushan

Q97 General Awareness

Which sprinter broke his own national 200 m record with a run of 20.02 seconds in Ostrava?

A. Victor Lopez

B. Lamine Yamal

C. Gout Gout



D. Reynier Mena

Q98 General Awareness

In May 2025, who addressed the Global Space Exploration Conference (GLEX 2025) on behalf of India?

A. Amit Shah

B. Narendra Modi

C. S Somanath

D. Dr. Jitendra Singh



Q99 General Awareness

In June 2025, the Monetary Policy Committee (MPC) voted to reduce the policy repo rate by 50 basis points (bps) with immediate effect to:

A. 6.50%

B. 4.50%

C. 7.50%

D. 5.50%



Q100 General Awareness

Which state was ranked the best-performing in the Management Effectiveness Evaluation (MEE) 2020–2025 of National Parks and Protected Areas?

A. Tamil Nadu

B. Kerala



C. Uttarakhand

D. Himachal Pradesh



General Science

25 Questions • Answer Key

Q1 General Science

If the radius of curvature of a convex mirror used for rear-view on an automobile is 4.00 m, what is its focal length?

- A. 4 m
- B. 8 m
- C. 1 m
- D. 2 m



Q2 General Science

Which of the following is an allotrope of carbon?

- A. Diamond
- B. Limestone
- C. Quartz
- D. Alum



Q3 General Science

Which of the following is the correct function of the Golgi body in a plant cell?

- A. Providing protection to the cell.
- B. Helping in the synthesis of proteins.
- C. Maintaining the shape of the cell.
- D. Supporting the formation of lysosomes.



Q4 General Science

Which of the following is true about infrasonic sound?

- A. Frequency > 20 kHz
- B. Cannot travel in air
- C. Frequency < 20 Hz
- D. Frequency between 20 Hz and 20 kHz



Q5 General Science

If you push a stationary wall with 80 N, the wall pushes you back with ____.

- A. 0 N
- B. 40 N
- C. 160 N
- D. 80 N



Q6 General Science

Which of the following statements is NOT correct about resistivity?

- A. It is measured in ohm-meter.
- B. It changes with temperature.
- C. It is a property of the material.
- D. It depends on the length of the wire.



Q7 General Science

A retarding force of 10 N acts on a body. The work done due to this force is -200 J. What will be the magnitude and direction of the displacement of the body under the action of this force?

- A. 20 m; opposite to the direction of the force
- B. 2000 m; in the same direction as the force
- C. 2000 m; opposite to the direction of the force
- D. 20 m; in the same direction as the force



Q8 General Science

Which event does NOT directly occur during photosynthesis in green plants?

- A. Breakdown of carbohydrates to release energy
- B. Conversion of light energy into chemical energy
- C. Reduction of carbon dioxide to carbohydrates
- D. Absorption of light energy by chlorophyll



Q9 General Science

A straight current carrying conductor has a magnetic field (B) associated with it. Which of the following is correct regarding the value of magnetic field (B)?

- (i) The magnetic field will increase as we move away from the conductor.
- (ii) The magnetic field will decrease as we move away from the conductor.
- (iii) The magnetic field will increase when the current flowing through the conductor increases.
- (iv) The magnetic field will first decrease when the current flowing through the conductor increases.

- A. Both (ii) and (iii)
- B. Both (i) and (ii)
- C. Both (iii) and (iv)
- D. Both (i) and (iv)



Q10 General Science

If the force on an object is doubled while its mass remains the same, the acceleration:

- A. remains the same
- B. becomes zero
- C. also doubles
- D. halves



Q11 General Science

Which of the following represents corrosion?

- A. Burning of LPG
- B. Dissolving sugar in water
- C. Boiling of water
- D. Rusting of iron



Q12 General Science

Which practice demonstrates judicious energy use at home?

- A. Overusing air-conditioners
- B. Heating an empty room continuously
- C. Keeping all appliances on standby mode
- D. Using bulbs or fluorescent tubes



Q13 General Science

Which metal reacts violently with cold water?

- A. Sodium
- B. Copper
- C. Magnesium
- D. Aluminium



Q14 General Science

What happens to the concentration of a solution if more solute is added to the same amount of solvent?

- A. It becomes a suspension
- B. It remains unchanged
- C. It becomes more concentrated
- D. It becomes less concentrated



Q15 General Science

Which of the following is correct for concave mirrors?

- A. They cannot produce magnified images.
- B. They are used as rear-view mirrors.
- C. They are used by dentists to see enlarged images of teeth.
- D. They always produce virtual images.



Q16 General Science

When salt solution is applied to boiled Rhoeo leaf peels, it fails to show plasmolysis due to:

- A. dead cells cannot osmoregulate
- B. walls block salts
- C. nuclei stop diffusion
- D. chlorophyll takes up water



Q17 General Science

Which of the following statements about variations is INCORRECT?

- A. Ensures species survival during disasters
- B. Provides resilience against diseases
- C. Variation makes species prone to extinction.
- D. Variation enables adaptation to changing environments.



Q18 General Science

Select the option that is true regarding the following two statements labelled Assertion (A) and Reason (R).

Assertion (A): Insulin helps lower blood glucose levels.
Reason (R): Insulin converts glucose into glycogen for storage in the liver.

- A. A is false, but R is true.
- B. Both A and R are true, but R is not the correct explanation of A.
- C. Both A and R are true, and R is the correct explanation of A.
- D. A is true, but R is false.



Q19 General Science

Which of the following ensures that the DNA amount is NOT doubled in every generation?

- A. Reduction of DNA in gametes
- B. Division of neurons
- C. Division of body cells
- D. Consistency of DNA in gametes



Q20 General Science

Which of the following pairs represent the Isobar?

- A. 235U92 and 238U92
- B. 15O8 and 16O8
- C. 40K19 and 40Ar18
- D. 15N7 and 16O8

**Q21 General Science**

Which of the following is a characteristic reaction of saturated hydrocarbons (alkanes)?

- A. Polymerisation
- B. Addition reaction
- C. Substitution reaction
- D. Neutralisation

**Q22 General Science**

What is a decomposition reaction?

- A. A compound breaks down into two or more simpler substances
- B. Two compounds exchange ions
- C. Two or more substances combine to form one product
- D. A single substance is formed from two or more reactants

**Q25 General Science**

A ball is dropped from a height of 10 m from the surface of the earth. What will be the speed with which the ball will strike the ground?

(Take $g = 10 \text{ m/s}^2$)

- A. 20 m/s
- B. 10 m/s
- C. $10\sqrt{2} \text{ m/s}$
- D. 200 m/s

**Q23 General Science**

The process by which the developing embryo gets associated with the lining of the uterus is called _____.

- A. abortion
- B. fertilisation
- C. implantation
- D. embryogenesis

**Q24 General Science**

Which of the following best defines the concentration of a solution?

- A. The amount of solution present in a given amount of solute
- B. The amount of solvent present in a given amount of solution
- C. The amount of solute present in a given amount of solution
- D. The amount of solvent present in a given amount of solute

**Mathematics**

25 Questions • Answer Key

Q26 Mathematics

A taxi service charges a fixed base fare plus a variable rate per kilometre. For a 10 km trip, Raju paid ₹230 and for a 15 km trip, Meena paid ₹330. What is the base fare and the per-kilometre charge?

- A. Base fare = ₹60; Per-kilometre Charge = ₹15
- B. Base fare = ₹40; Per-kilometre Charge = ₹18
- C. Base fare = ₹50; Per-kilometre Charge = ₹18
- D. Base fare = ₹30; Per-kilometre Charge = ₹20

**Q27 Mathematics**

In quadrilateral PQRS, the bisectors of $\angle R$ and $\angle S$ meet at the point T (inside the quadrilateral) and $\angle STR = 17^\circ$. If the ratio of $\angle P$ to $\angle Q$ is 8 : 9, then what is the difference between the measures of $\angle Q$ and $\angle P$?

- A. 6°
- B. 5°
- C. 4°
- D. 2°



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Q28 Mathematics

If $5^x - y = 3125$ and $3^{3x + y} = 2187$, then the value of $19x - 18y$ is:

A. 95

B. 93



C. 97

D. 91

Q29 Mathematics

In a distribution where the empirical relation holds true, if both the mode and the median are 46, find the mean.

A. 45.5

B. 46



C. 46.5

D. 45

Q30 Mathematics

A, B and C can do a work in 17 days, 51 days and 68 days, respectively. They finished together that work and gained ₹5,985 in wages. Find B's wage (in ₹).

A. 1,260



B. 2,241

C. 945

D. 3,780

Q31 Mathematics

An article is marked 25% above its cost price. A discount is offered so that a profit of 15% is made. Find the discount percentage.

A. 12%

B. 8%



C. 5%

D. 10%

Q32 Mathematics

The price of fuel decreases by 45%, 15% and 50% in three successive months, but increases by 70% in the fourth month. What is the percentage increase/decrease in the price of fuel in the fourth month as compared to its original price? (Rounded off to two decimal places)

A. Decreases by 60.26%



B. Increases by 65.02%

C. Increases by 66.72%

D. Decreases by 61.32%

Q33 Mathematics

A stationery seller purchases 6 notebooks for ₹30 and sells them for ₹36. What is his profit percentage?

A. 16.67%

B. 6%

C. 120%

D. 20%

**Q34 Mathematics**

A, B and C can do a piece of work in 3, 10 and 15 days, respectively. How long (in days) will they take to do twice the same work, working together?

A. 5

B. 8

C. 4



D. 12

Q35 Mathematics

The amount on a sum of ₹4,400 at 5% per annum compound interest, compounded annually, in 2 years will be:

A. ₹4,851



B. ₹5,840

C. ₹4,071

D. ₹4,819

Q36 Mathematics

The market prices of jowar to gram are in the ratio 1 : 5, and a family consumes them in the ratio 4 : 3 by quantity. Find the ratio of expenditure on jowar to that on gram.

A. 6 : 17

B. 3 : 11

C. 4 : 15



D. 5 : 16

Q37 Mathematics

Aarti got a new bed at 50% discount. If Aarti did not get any discount, Aarti would have to pay ₹8,453 extra. So how much did Aarti pay for the bed?

A. ₹8,452

B. ₹8,453



C. ₹8,455

D. ₹8,454



Q38 Mathematics

In an election between two candidates, 20% of the voters did not cast their votes, and all the votes cast were valid. The winner secured 70% of the votes cast and won by a margin of 23,200 votes. What was the total number of voters?

A. 75,000

B. 72,500 ✓

C. 69,500

D. 82,500

Q39 Mathematics

The sum of the present ages of Priya and her younger brother Rohan is 44 years. Four years ago, Priya was twice as old as Rohan was at that time. What is Priya's current age (in years)?

A. 28 ✓

B. 26

C. 24

D. 30

Q40 Mathematics

A car travels a distance of 120 km in 2 hours. What is its speed?

A. 240 km/h

B. 60 km/h ✓

C. 120 km/h

D. 40 km/h

Q44 Mathematics

Expand: $(3m - 5n)^2$

A. $6m^2 - 30mn + 25n^2$ B. $9m^2 - 15mn + 25n^2$ C. $9m^2 + 30mn + 25n^2$ D. $9m^2 - 30mn + 25n^2$ ✓**Q45 Mathematics**

10% decrease 10% increase 9% increase 8% increase

A. 10% decrease ✓

B. 9% increase

C. 8% increase

D. 10% increase

Q41 Mathematics

The average age of 43 students of a class is 25 years. If the age of the teacher is also included, the average age of the whole group becomes 26 years. The age (in years) of the teacher is:

A. 66

B. 68

C. 69 ✓

D. 71

Q42 Mathematics

₹8,516 is divided among A, B and C in such a way that if ₹88, ₹31 and ₹90 are deducted from their respective shares, they have money in the ratio 18:17:4. Find the difference between B's and C's original shares.

A. ₹2,719

B. ₹2,619

C. ₹2,919

D. ₹2,710 ✓

Q43 Mathematics

A garrison of 1209 men has provisions for 20 days. How long (in days) will the provisions last if the garrison is increased by 403 men?

A. 15 ✓

B. 10

C. 35

D. 25



Q46 Mathematics

The height of a cylinder is 56 cm. If the circumference of its base is 176 cm, then what is the total surface area (in cm^2) of this cylinder?

Use $\pi = \frac{22}{7}$

A. 14,784



B. 13,252

C. 12,895

D. 11,745

Q47 Mathematics

Find the value of x in the given expression.

$$\frac{x}{2.1} + \frac{4.2}{6.3} = 4$$

A. 8

B. 7



C. 6

D. 9

Q48 Mathematics

Walking at $\frac{4}{7}$ of his normal speed from his home, Shahid is 12 minutes late in reaching his office. The usual time taken by him to cover the distance between his home and his office is:

A. 16 minutes



B. 9 minutes

C. 10 minutes

D. 21 minutes

Q49 Mathematics

If $\frac{1}{1 - \tan \theta} + \frac{1}{1 + \tan \theta} = 3$, and θ is an acute angle, find the value of cosec θ .

A. $\sqrt{2}$

B. 2



C. $\frac{1}{\sqrt{2}}$

D. 1



Q50 Mathematics

From an interior point of an equilateral triangle, three perpendiculars are drawn to its three sides which are of lengths 12.7 cm, 14.8 cm and 11.5 cm, respectively. Find the area of the equilateral triangle.

A. $507\sqrt{3} \text{ cm}^2$ ✓

B. $526\sqrt{3} \text{ cm}^2$

C. $510\sqrt{3} \text{ cm}^2$

D. $539\sqrt{3} \text{ cm}^2$

General Intelligence & Reasoning

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. SO-NJ

B. NJ-HG ✓

C. JF-EA

D. TP-OK

Q52 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

951 952 954 957 961 ?

A. 966 ✓

B. 965

C. 964

D. 969

Q53 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All hydrogen is oxygen.
Some oxygen is nitrogen.
Some nitrogen is carbon.

Conclusions:

(I): Some nitrogen is hydrogen.
(II): No carbon is oxygen.

A. Both conclusions (I) and (II) are true

B. Neither conclusion (I) nor (II) is true ✓

C. Only conclusion (II) is true

D. Only conclusion (I) is true

Q54 General Intelligence & Reasoning

Refer to the following number-symbol series and answer the question that follows. Counting is to be done from left to right only.

(Left) \$ # # £ 9 % £ 7 * & € 1 3 4 5 6 4 9 € 2 5 & (Right)

How many such numbers are there each of which is immediately preceded by a symbol and also immediately followed by a symbol?

A. 4

B. 6

C. 5

D. 2 ✓



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Q55 General Intelligence & Reasoning

All 63 people are standing in a row, facing the north. Mr. Zzz is 12th from the left end while Mr. Ggg is 5th from the right end. How many people are there between Mr. Zzz and Mr. Ggg?

A. 45

B. 46



C. 47

D. 43

Q56 General Intelligence & Reasoning

BDBF is related to JLJN in a certain way based on the English alphabetical order. In the same way, HJHL is related to PRPT. To which of the given options is RTRV related, following the same logic?

A. ZCYG

B. ZAYD

C. ZBZD



D. ZBYD

Q57 General Intelligence & Reasoning

Each of the digits in the number 9214538 is arranged in the ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

A. One

B. None

C. Two

D. Three

**Q58 General Intelligence & Reasoning**

Refer to the given series and answer the question that follows. (All numbers are single digit numbers only.) Counting to be done from left to right only.

(Left) 6 9 1 7 9 7 3 8 1 9 1 7 7 5 4 4 3 2 3 8 7 (Right)

How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an odd digit?

A. 8



B. 6

C. 7

D. 5

Q59 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

249 232 215 198 181 ?

A. 168

B. 170

C. 164



D. 166

Q60 General Intelligence & Reasoning

If 1 is added to each even digit and 2 is subtracted from each odd digit in the number 7593562, which of the following digits will be second from the left in the new number this formed?

A. 8

B. 5

C. 3



D. 1

Q61 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

NDG, PFI, RHK, TJM, ?

A. VKP

B. VKO

C. VLP

D. VLO

**Q62 General Intelligence & Reasoning**

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

CUV : AYT

YCR : WGP

A. TWG : PYC

B. UKN : SOL



C. KGX : HKU

D. ANP : VRK



Q63 General Intelligence & Reasoning

In a certain code language, 'give me bike' is written as 'bn gt ry' and 'who know me' is coded as 'ry fh vt'. How is 'me' coded in that language?

A. fh

B. bn

C. ry



D. vt

Q64 General Intelligence & Reasoning

This question is based on the five, three-digit numbers given below.

(Left) 742 912 853 657 154 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

Note: All operations to be done from left to right.

If all the numbers are arranged in descending order, the position(s) of how many numbers will remain unchanged?

A. Two



B. Four

C. One

D. Three

Q65 General Intelligence & Reasoning

Six people, A, B, C, D, E and F, are sitting in a row, facing north. A sits to the immediate right of E. B sits fourth to the left of E. Only one person sits between B and F. C sits to the immediate left of F. D sits second to the left of A. Three of the following four are alike in a certain way based on the given arrangement and thus form a group. Which is the one that does not belong to that group?

A. DE

B. FD

C. CF

D. BA

**Q66 General Intelligence & Reasoning**

Refer to the given number series and answer the question that follow (all numbers are single digit numbers only).

(Left) 4 2 15 7 9 8 5 3 6 2 15 7 3 7 8 4 3 6 9 7 4 5 2 4 1
(Right)

How many prime numbers are there in the number series?

A. Fourteen



B. Seven

C. Nine

D. Thirteen

Q67 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

28 33 23 28 ? 23

A. 18



B. 20

C. 22

D. 15

Q68 General Intelligence & Reasoning

Each of the digits in the number 1368497 is arranged in ascending order from left to right. What will be the sum of the digits that are second from the left and second from the right in the new number thus formed?

A. 10

B. 11



C. 8

D. 7

Q69 General Intelligence & Reasoning

Seven boxes D, E, F, U, V, W and X are kept one over the other but not necessarily in the same order. Only five boxes are kept below X. Only three boxes are kept between F and X. V is kept at one of the positions below F. Only E is kept between X and W. D is kept at one of the positions above X. How many boxes are kept between V and D?

A. Five



B. Two

C. Three

D. Four



Q70 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(28, 4, 336)
(25, 5, 375)

A. (26, 6, 368)

B. (41, 3, 379)

C. (31, 6, 465)

D. (32, 3, 288)

**Q71 General Intelligence & Reasoning**

Ramesh starts from Point A and drives 51 km towards the north. He then takes a right turn, drives 55 km, turns right and drives 54 km. He then takes a right turn and drives 56 km. He takes a final right turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 3 km to the west

B. 1 km to the east



C. 2 km to the east

D. 4 km to the west

Q72 General Intelligence & Reasoning

In the following triad, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

WEAR - EAWR - RAEW
SINK - INSK - KNIS

A. MONK - ONMK - KNOM



B. YOUR - OYUR - ROUY

C. BITE - BTIE - ETIB

D. FANS - ANFS - ANSF

Q73 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some houses are kites.
All mangoes are houses.
All flowers are kites.

Conclusions:

(I) Some houses are flowers.
(II) No flowers are mangoes.

A. Both conclusions (I) and (II) follow.

B. Neither conclusion (I) nor (II) follows.



C. Only conclusion (II) follows.

D. Only conclusion (I) follows.

Q74 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

BZA 30 ZXY 41 XVW 52 VTU 63 ?

A. TRS 74



B. TQR 73

C. TSR 74

D. TYE 73

Q75 General Intelligence & Reasoning

In a certain code language,
'A + B' means 'A is the father of B',
'A - B' means 'A is the husband of B',
'A × B' means 'A is the wife of B' and
'A ÷ B' means 'A is the mother of B'.

How is F related to K if 'F × G + H - I ÷ K'?

A. Mother's mother

B. Father's mother



C. Father's sister

D. Mother's sister



Q76 General Intelligence & Reasoning

Seven people, R, S, T, U, V, W and X, are sitting in a row, facing east. V is seated third from the right end. S is fourth to the left of W. R is seated to the right of V and at one of the ends. Only one person is seated between T and S. U does not sit at any of the extreme ends. Who is seated at the extreme left end?

A. W

B. V

C. T

D. X

**Q77 General Intelligence & Reasoning**

A, B, C, D, N, O and P are sitting in a straight line, facing the north.

Only N sits to the left of P. Only four people sit between N and A. Only B sits between O and C, and O is not an immediate neighbour of A.

Who sits at the extreme right of the line?

A. D



B. C

C. A

D. O

Q78 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. QPT



B. FIE

C. ORN

D. KNJ

Q79 General Intelligence & Reasoning

In a certain code language, 'bring the cup' is coded as 'bz rs tq' and 'cup on the' is coded as 'rs pl tq'. How is 'on' coded in that language?

A. rs

B. pl



C. tq

D. bz

Q80 General Intelligence & Reasoning

In a traffic jam on the road, Car A is to the right of Car B. Car D is to the left of Car B. Car F is behind Car D. What is the position of Car F with respect to Car B?

A. West

B. South-west



C. South-east

D. South

General Awareness

20 Questions • Answer Key

Q81 General Awareness

Who inaugurated the Chief Minister's Mini Sports Stadium in Madurai district in March 2025?

A. P Moorthy

B. Anbil Mahesh

C. Edappadi K Palaniswam

D. Udhayanidhi Stalin

**Q82 General Awareness**

Which public sector company secured a ₹511 crore Transfer of Technology (ToT) deal from ISRO in 2025 to manufacture and commercialise Small Satellite Launch Vehicles (SSLVs)?

A. Larsen & Toubro

B. Indian SpaceTech Corporation

C. Bharat Electronics Limited

D. Hindustan Aeronautics Limited



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Q83 General Awareness

As announced in June 2025, which of the following banks approved \$109.97 million loan to boost advanced skills and employability in Gujarat?

- A. Reserve Bank of India
- B. Asian Development Bank ✓
- C. State Bank of India
- D. World Bank

Q84 General Awareness

In which Union Territories will the 5th edition of Khelo India Winter Games 2025 be held?

- A. Himachal Pradesh and Uttarakhand
- B. Jammu & Kashmir and Ladakh ✓
- C. Punjab and Haryana
- D. Sikkim and Arunachal Pradesh

Q85 General Awareness

The Environment Audit Rules, 2025, were introduced by which ministry in India?

- A. Ministry of Corporate Affairs
- B. Ministry of Environment, Forest and Climate Change ✓
- C. Ministry of Commerce & Industry
- D. Ministry of Earth Sciences

Q86 General Awareness

The country's first earthquake early warning mobile application 'Bhookamp' has been developed in which of the following IITs?

- A. IIT Delhi
- B. IIT Roorkee ✓
- C. IIT Indore
- D. IIT Kanpur

Q87 General Awareness

Who became the first Indian chess player to be ranked No.1 in the live FIDE rankings in 2025?

- A. D Gukesh
- B. Viswanathan Anand
- C. R Praggnanandhaa ✓
- D. Arjun Erigaisi

Q88 General Awareness

What is the name of the ChatGPT-style AI service set to be launched by Reliance Industries?

- A. Chat Reliance
- B. ChatGPT-style
- C. G P Style
- D. Hanooman ✓

Q89 General Awareness

Which of the following Bills, presented by the Union Home Minister and Minister of Cooperation on 20 August 2025, prohibits individuals holding key constitutional offices from administering the government while in jail?

- A. Constitution (One Hundred and Twenty-Eighth Amendment) Bill, 2025
- B. Constitution (One Hundred and Twenty-Seventh Amendment) Bill, 2025
- C. Constitution (One Hundred and Thirtieth Amendment) Bill, 2025 ✓
- D. Constitution (One Hundred and Twenty-Ninth Amendment) Bill, 2025

Q90 General Awareness

What is the name of the new programme launched by the National Commission for Women (NCW) in May 2025 for college students to promote gender sensitivity, raise awareness on the prevention of sexual harassment and address cyber crimes impacting students?

- A. Campus Calling Abhiyaan ✓
- B. Campus Ambassadors Programme
- C. Yuva Saksham Initiative
- D. Gender Sensitization Scholars

Q91 General Awareness

According to the 2025 Global Hunger Index report, what is India's rank among the assessed countries?

- A. 98th
- B. 110th
- C. 95th
- D. 102nd ✓



Q92 General Awareness

Which of the following Constitution Amendment Bills was introduced in the Lok Sabha in August 2025?

- A. 133rd Amendment Bill
- B. 131st Amendment Bill
- C. 130th Amendment Bill
- D. 129th Amendment Bill

**Q93 General Awareness**

Indian Conservation Conference–2025, highlighting traditional knowledge and scientific approaches, took place in which month of 2025?

- A. September
- B. June
- C. April
- D. March

**Q94 General Awareness**

Which day is recognised as International Youth Day in 2025?

- A. August 12
- B. July 18
- C. August 9
- D. September 21

**Q95 General Awareness**

At the Panorama International Literature Festival Awards, 2025, which young Indian received the Serena Memorial Child Prodigy Award, 2025?

- A. Nairithi Konduru
- B. Vinita Agrawal
- C. Salman Lakda
- D. Karnav Rastogi

**Q96 General Awareness**

What was India's unemployment rate in May 2025, as per the Periodic Labour Force Survey (PLFS)?

- A. 5.1%
- B. 6.2%
- C. 5.6%
- D. 4.8%

**Q97 General Awareness**

Whose statue was unveiled at Raj Bhavan, Goa, by the Vice-President of India and is known as the 'Father of Medicine' in ancient Indian history?

- A. Dhanvantari
- B. Sushruta
- C. Charaka
- D. Patanjali

**Q98 General Awareness**

In January 2025, the Reserve Bank of India removed supervisory restrictions on which of the following Non-Banking Financial Companies (NBFCs)?

- A. Family Home Finance
- B. Arohan Financial Services
- C. GoCapital Finance
- D. AP Rural Bank

**Q99 General Awareness**

Which other Bill related to Waqf matters also received Presidential assent in 2025?

- A. Waqf Tribunal Establishment Bill
- B. Islamic Trusts Reform Bill
- C. Muslim Property Regulation Bill
- D. Mussalman Wakf (Repeal) Bill

**Q100 General Awareness**

Which Pakistani javelin thrower received the 'Best Asian Athlete' title in May 2025?

- A. Kareem Ali Kamran
- B. Muhammad Ali
- C. Muhammad Illihas
- D. Arshad Nadeem



General Science

25 Questions • Answer Key

Q1 General Science

Which of the following statements is/are correct regarding vegetative propagation?

Statement A: Root, stem and leaves develop into new plants under appropriate conditions.

Statement B: Vegetative propagation is used in sugarcane, roses and grapes.

- A. Only Statement B
- B. Neither Statement A nor B
- C. Only Statement A
- D. Both Statement A and B



Q2 General Science

What type of force is responsible for the Moon's circular motion around Earth?

- A. Normal Force
- B. Centrifugal Force
- C. Centripetal Force due to Earth's gravity
- D. Electromagnetic Force



Q3 General Science

The smooth endoplasmic reticulum (SER) helps in the manufacture of _____.

- A. lipids (fats)
- B. starch
- C. DNA
- D. proteins



Q4 General Science

What colour does phenolphthalein turn to in a basic solution?

- A. Red
- B. Yellow
- C. Colourless
- D. Pink



Q5 General Science

Phosphoric acid (H_3PO_4) is composed of which of the following ions?

- A. H^+ , PO_4^{3-}
- B. H^+ , PO_4^{4-}
- C. H^+ , PO_4^{2-}
- D. H_2^+ , PO_4^{3-}



Q6 General Science

Which of the following plant nutrients is supplied from air?

- A. Carbon
- B. Iron
- C. Nitrogen
- D. Hydrogen



Q7 General Science

Impurities are converted to compounds by adding refining agents in which type of refining method?

- A. Ionic method
- B. Chemical method
- C. Physical method
- D. Electro-chemical method



Q8 General Science

Two resistors of $2\ \Omega$ and $X\ \Omega$ are connected in series to a 10 V battery. If the current flowing through the resistors is 2 A, then what will be the value of X (in Ohm)?

- A. $1/2$
- B. 2
- C. $1/3$
- D. 3



Q9 General Science

The direction of the magnetic field at the centre of a current-carrying circular loop is determined by which of the following?

- A. Lenz's Law
- B. Fleming's Left-Hand Rule
- C. Right-Hand Thumb Rule
- D. Fleming's Right-Hand Rule



Q10 General Science

What conclusion can be drawn from the microscopic observation of onion peel cells?

- A. All onions are made up of similar small structures called cells ✓
- B. The size of the onion decides the shape of its individual cells
- C. Each onion peel contains cells of different composition
- D. Onion bulbs contain different cell types for different functions

Q11 General Science

If a piece of aluminium is added to iron(II) sulphate (FeSO_4) solution, what will happen?

- A. Iron will get deposited. ✓
- B. Blue solution will be formed.
- C. There will be no reaction.
- D. Aluminium will get deposited.

Q12 General Science

What happens when acid is dissolved in water?

- A. It forms salt.
- B. It releases H^+ ions. ✓
- C. It loses its acidic properties.
- D. It releases OH^- ions.

Q13 General Science

Balance the following reaction:



- A. $x = 2, y = 4$
- B. $x = 4, y = 2$ ✓
- C. $x = 3, y = 2$
- D. $x = 4, y = 4$

Q14 General Science

What is the primary mechanism through which sexual reproduction generates genetic diversity in the offspring?

- A. Frequent cell divisions during gamete formation
- B. Variation in chromosome number among the gametes
- C. Inaccuracies in DNA copying during gamete formation in maternal and paternal parents
- D. Random distribution of maternal or paternal chromosomes from each chromosome pair to the gametes ✓

Q15 General Science

Which of the following scenarios can disturb a food web the most?

- A. Seasonal change in rainfall
- B. Change in wind direction
- C. Sudden removal of a key species ✓
- D. Increase in sunlight hours

Q16 General Science

The work done in carrying a block of mass 30 kg to a height of 'X' m is 6000 J. What will be the value of X (in m)? (Take the value of $g = 10 \text{ m/s}^2$)

- A. 200
- B. 20 ✓
- C. 1800
- D. 1,80,000

Q17 General Science

Which of the following sounds has the lowest pitch?

- A. A bird's chirp (1500 Hz)
- B. A tuning fork (512 Hz)
- C. A child's voice (350 Hz)
- D. A man's deep voice (100 Hz) ✓

Q18 General Science

How many contrasting characters were used by Mendel to formulate the laws of inheritance?

- A. 5
- B. 8
- C. 4
- D. 7 ✓

Q19 General Science

The molecular mass of carbon dioxide is:

- A. 44 amu ✓
- B. 32 amu
- C. 50 amu
- D. 28 amu



Q20 General Science

If the speed of an object changes with time, the distance-time graph will be:

- A. A straight line parallel to the time axis
- B. A straight line inclined to the time axis
- C. A horizontal straight line
- D. A curved line**

Q21 General Science

Which of the following is NOT the correct use of a concave mirror?

- A. It is used as a rear view mirror in automobiles.**
- B. It is used as a shaving mirror.
- C. It is used in torches.
- D. It is used in a solar furnace.

Q22 General Science

Which connective tissue smoothens bone surfaces at joints and is present in the ear and trachea?

- A. Areolar
- B. Adipose
- C. Ligament
- D. Cartilage**

Q23 General Science

An object moves along a straight path for 5 s. Its initial velocity is 10 m s^{-1} and its final velocity is -2 m s^{-1} . What is the magnitude of the average velocity?

- A. 8 m/s
- B. 6 m/s
- C. 4 m/s**
- D. 5 m/s

Q24 General Science

Which of the following causes a change in the state of matter?

- A. Mixing it with another substance
- B. Dissolving the substance
- C. Changing temperature or pressure**
- D. Cutting the substance

Q25 General Science

The image formed by a concave lens for an object at infinity is:

- A. real, inverted, and large
- B. real, erect, and magnified
- C. virtual, inverted, and diminished
- D. virtual, erect, and point-sized**

Mathematics

25 Questions • Answer Key

Q26 Mathematics

Simplify: $[(4x - 5y)^2 + 80xy] \div [(4x + 5y)^2]$

- A. 4
- B. -3
- C. 1**
- D. 2

Q27 Mathematics

A dealer marks his goods at 44% above the cost price and allows a discount of 75% on the marked price. What is his gain or loss percentage?

- A. 64% loss**
- B. 66% loss
- C. 67% gain
- D. 65% loss

Q28 Mathematics

₹1,964 is divided among Ashish, Lalita and Pranav in such a way that if ₹50, ₹17 and ₹10 are deducted from their respective shares, they have money in the ratio 20:4:13. Find Lalita's share.

- A. ₹154
- B. ₹304
- C. ₹354
- D. ₹221**

Q29 Mathematics

In a quadrilateral ABCD, $\angle A = 32^\circ$ and $\angle B = 58^\circ$. The bisectors of $\angle C$ and $\angle D$ meet at O. What is the measure of $\angle DOC$?

- A. 60°
- B. 45°**
- C. 33°
- D. 50°



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Q30 Mathematics

A typist takes 40 minutes to type 4 pages. How many pages will he type in 90 minutes?

A. 9



B. 11

C. 8

D. 10

Q31 Mathematics

In a race, an athlete covers a distance of 420 m in 140 sec in the first lap. He covers the second lap of the same distance in 70 sec. What is the average speed (in m/sec) of the athlete?

A. 5

B. 9

C. 3

D. 4

**Q32 Mathematics**

One pipe can fill a tank in 6 minutes, while another pipe can empty the completely filled tank in 9 minutes. If both the pipes are opened together when the tank is empty, how many minutes will it take to fill one-half of the tank?

A. 19

B. 10

C. 9



D. 18

Q33 Mathematics

A shopkeeper offers the following four schemes:

- A) Two successive discounts of 32% and 40%
- B) Buy 1, get 5 free
- C) A single discount of 48%
- D) Two successive discounts of 8% and 33%

Which scheme is best for the shopkeeper?

A. B

B. D



C. A

D. C

Q34 Mathematics

The price of fuel decreases by 40%, 15% and 45% in three successive months, but increases by 70% in the fourth month. What is the percentage increase/decrease in the price of fuel in the fourth month as compared to its original price? (Round off your answer to two decimal places)

A. Increases by 54.13%

B. Decreases by 52.32%



C. Increases by 48.21%

D. Decreases by 53.03%

Q35 Mathematics

The amount on a sum of ₹1,500 at 10% per annum compound interest, compounded annually, in 2 years will be:

A. ₹1,940

B. ₹1,661

C. ₹2,423

D. ₹1,815

**Q36 Mathematics**

A cylinder whose height is eight times its radius is melted and cast into spherical balls each of half the radius of the cylinder. Find the number of spherical balls.

A. 56

B. 24

C. 35

D. 48

**Q37 Mathematics**

A person sells a table at a 7% profit. If he had sold it for ₹1,280 more, then his profit would have been 17%. Find the cost price of the table.

A. ₹12,800



B. ₹12,400

C. ₹12,600

D. ₹12,200

Q38 Mathematics

The ratio of two numbers is 3:4 and their HCF is 7. Their LCM is:

A. 64

B. 84



C. 56

D. 49



Q39 Mathematics

The average age of 23 students of a class is 25 years. If the age of the teacher is also included, the average age of the whole group becomes 26 years. The age (in years) of the teacher is:

A. 59

B. 49 ☒

C. 56

D. 57

Q40 Mathematics

In a test, B got 50 marks while A got 75 marks, out of 110 maximum marks. What percentage of A's marks was B's marks? (Round off your answer to two decimal places.)

A. 66.67% ☒

B. 68.18%

C. 110.19%

D. 150.22%

Q41 Mathematics

A food outlet sells two types of meal combos. The first combo contains 2 sandwiches and 1 juice and costs ₹80. The second combo contains 1 sandwich and 2 juices and costs ₹70. What is the price of one sandwich?

A. ₹20

B. ₹25

C. ₹35

D. ₹30 ☒**Q42 Mathematics**

A person is 5 years older than twice their sibling's age. If the person is currently 27 years old, how old is the sibling?

A. 12 years

B. 11 years ☒

C. 13 years

D. 10 years

Q43 Mathematics

A room with a square base and height 10 ft occupies 25,000 ft³ volume. The room has cubicles of base area 25 ft² in four corners. The walls and ceiling of the area of the room which is not occupied by cubicles is to be painted. How much area is to be painted?

A. 4300 ft²B. 4000 ft² ☒C. 4200 ft²D. 4500 ft²**Q44 Mathematics**

If the mode of a data exceeds its mean by 19.8, then the mode exceeds the median by _____. (Use empirical formula to find the answer.)

A. 13.2 ☒

B. 8.6

C. 15.3

D. 14.6

Q45 Mathematics

What will come in place of 'X', and $X > 0$, in the equation $\frac{X}{125} = \frac{5}{X}$?

A. 23

B. 25 ☒

C. 27

D. 28

Q46 Mathematics

Walking at $\frac{3}{5}$ of his normal speed from his home, Vishal is 24 minutes late in reaching his office. The usual time taken by him to cover the distance between his home and his office is:

A. 34 minutes

B. 36 minutes ☒

C. 41 minutes

D. 45 minutes



Q47 Mathematics

If $4^{(x+1)} = 64 \times 8^x$, find the value of x.

A. -2

B. 4

C. 2

D. -4

**Q48 Mathematics**

If a pole is 30 m high, casts a shadow $10\sqrt{3}$ m long on the ground, then the angle of elevation of the sun is:

A. 90°

B. 30°

C. 45°

D. 60°

**Q49 Mathematics**

If 40% of 10% of $\frac{1}{3}$ of a number is 477, find the number.

A. 38170

B. 37030

C. 35775



D. 39070

Q50 Mathematics

Mohan can complete a piece of work alone in 6 days by working 5 hours a day, and Rohan can do the same in 8 days. If they work together for 8 hours each day, how long will it take them to finish the work?

A. $3\frac{4}{9}$ days

B. $2\frac{5}{8}$ days

C. $3\frac{1}{5}$ days

D. $2\frac{1}{7}$ days



Q51 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

170 150 133 119 108 ?

- A. 98
B. 102
C. 100
D. 106

**Q52** General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- A. ZB-EG
B. XZ-BG
C. RT-WY
D. JL-OQ

**Q53** General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All Pianos are Guitars.
Some Guitars are Violins.
No Violins are Drums.

Conclusions:

(I) Some Drums are Guitars.
(II) Some Violins are Pianos.

- A. Both conclusions (I) and (II) are true.
B. Only conclusion (II) is true.
C. Neither conclusion (I) nor (II) is true.
D. Only conclusion (I) is true.

**Q54** General Intelligence & Reasoning

What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$79 \div 7 + 464 \times 4 - 386 = ?$

- A. 839
B. 862
C. 823
D. 871

**Q55** General Intelligence & Reasoning

JIKO is related to ZYAE in a certain way based on the English alphabetical order. In the same way, VUWA is related to LKMQ. To which of the given options is RQSW related, following the same logic?

- A. HGIM
B. HYUO
C. HGYT
D. HNJU

**Q56** General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 3 4 1 9 5 1 3 6 5 3 2 7 4 9 8 4 2 7 8 4 2 5 7 6 4 5
(Right)

How many such even numbers are there, each of which is immediately preceded by an even number and immediately followed by an odd number?

- A. Two
B. Four
C. One
D. Three

**Q57** General Intelligence & Reasoning

Six people, A, B, C, D, E and F, are sitting in a row, facing north. A sits to the immediate left of F. C sits third to the left of E. C is an immediate neighbour of F. D sits to the immediate left of B. How many people sit between B and C?

- A. Two
B. Three
C. One
D. None



Q58 General Intelligence & Reasoning

Refer to the following number- symbol series and answer the question that follows. Counting is to be done from left to right only.

(Left) 5 € \$ 4 9 & & 4 € @ © 7 @ 7 9 1 8 # 8 % 5 £ (Right)

How many such symbols are there each of which is immediately preceded by a number and also immediately followed by a number?

A. 8

B. 3



C. 9

D. 4

Q59 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. VXA

B. JLP



C. GIL

D. KMP

Q60 General Intelligence & Reasoning

In a certain code language, 'FOUR' is coded as '5812' and 'ROUT' is coded as '5628'. What is the code for 'T' in that language?

A. 6



B. 8

C. 5

D. 2

Q61 General Intelligence & Reasoning

Refer to the given number series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 8 1 2 9 6 7 5 1 7 8 9 7 8 4 3 5 8 2 7 4 9 3 5 6 4 1 6 (Right)

How many such even digits are there, each of which is immediately preceded by an even digit and immediately followed by an odd digit?

A. Three



B. Two

C. None

D. Four

Q62 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some vehicles are trucks.
Some vehicles are lorries.
Some trucks are buses.

Conclusions:

(I) Some vehicles are buses.
(II) Some trucks are lorries.

A. Only conclusion (II) follows.

B. Both conclusions (I) and (II) follow.

C. Neither conclusion (I) nor (II) follows.



D. Only conclusion (I) follows.

Q63 General Intelligence & Reasoning

Select the pair that follows the same pattern as the one followed by the two set of pairs given below. Both pairs follow the same pattern.

VYA-EHJ
HKM-QTV

A. TWY-BFG

B. TVW-BEG

C. TWY-CFH



D. TVW-CFH



Q64 General Intelligence & Reasoning

All 31 students in a class are standing in a row, facing north. Pooja is 9th from the right end, while Tanya is 16th from the left end. How many people stand between Pooja and Tanya?

A. 8

B. 5

C. 7

D. 6

**Q65 General Intelligence & Reasoning**

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(15, 39, 87)

(27, 51, 99)

A. (55, 79, 128)

B. (72, 95, 143)

C. (49, 73, 122)

D. (83, 107, 155)

**Q66 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

6 10 18 30 46 ?

A. 52

B. 72

C. 76

D. 66

**Q67 General Intelligence & Reasoning**

MGRC is related to HCOA in a certain way based on the English alphabetical order. In the same way, VOWB is related to QKTZ. To which of the given options is QNVT related, following the same logic?

A. MKRS

B. MJRS

C. LJSR



D. LKSR

Q68 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

DEL GFJ JGH MHF ?

A. PJD

B. PID



C. QID

D. QJD

Q69 General Intelligence & Reasoning

A, B, C, D, E, F and G are sitting around a circular table, facing the centre.

A is an immediate neighbour of both E and B. B sits third to the left of F. D sits to the immediate left of F. G is not an immediate neighbour of B.

How many people sit between C and G, when counted from the right of G?

A. 2

B. 4

C. 1

D. 3

**Q70 General Intelligence & Reasoning**

Each of the digits in the number 756931482 is arranged in ascending order from left to right. What will be the sum of the digits which are third from the left and second from the right in the new number thus formed?

A. 13

B. 11



C. 12

D. 10

Q71 General Intelligence & Reasoning

Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north. Only three people sit between D and E. B sits to the immediate left of E. No one sits to the right of G. Only two people sit between G and B. A sits to the immediate right of F. How many people sit to the right of C?

A. 1



B. 2

C. 4

D. 3



Q72 General Intelligence & Reasoning

Each of the digits in the number 1748563 is arranged in ascending order from left to right. What will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

A. 14

B. 10



C. 6

D. 12

Q73 General Intelligence & Reasoning

This question is based on the five, three-digit numbers given below.

(Left) 458 625 751 359 245 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

If all the numbers are arranged in descending order, then the position of how many numbers will remain unchanged?

A. 1

B. 3



C. 4

D. 2

Q74 General Intelligence & Reasoning

Prakash starts from Point A and drives 37 km towards the north. He then takes a left turn, drives 40 km, turns left and drives 55 km. He then takes a left turn and drives 64 km. He takes a final left turn, drives 18 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 24 km to the west



B. 22 km to the west

C. 25 km to the east

D. 23 km to the west

Q75 General Intelligence & Reasoning

In a certain code language, 'trust builds bond' is coded as 'zn fy tk' and 'keep your trust' is coded as 'fy ep rb'. How is 'trust' coded in that language?

A. zn

B. rb

C. ep

D. fy

**Q76 General Intelligence & Reasoning**

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

FEA 40 EDZ 32 DCY 24 CBX 16 ?

A. BBV 8

B. BAW 8



C. BZV 7

D. BEI 7

Q77 General Intelligence & Reasoning

In a certain code language,

A + B means 'A is the son of B',

A - B means 'A is the brother of B',

A x B means 'A is the wife of B',

and A & B means 'A is the father of B'.

How is K related to V if 'K & T x R - Z + V'?

A. Son's wife's father



B. Wife's father

C. Daughter

D. Son's wife's brother

Q78 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

4 9 14 19 24 ?

A. 25

B. 28

C. 27

D. 29

**Q79 General Intelligence & Reasoning**

The house of P is 5 km west of the house of Q. The house of R is 3 km north of the house of Q. The house of S is 10 km south of the house of R. In which direction is the house of S from the house of Q?

A. East

B. South



C. West

D. North



Q80 General Intelligence & Reasoning

Seven boxes, A, B, C, D, E, F and G, are kept one over the other, but not necessarily in the same order. Only four boxes are kept between A and E. Only C is kept above A. Only two boxes are kept between G and F. B is kept immediately above D. F is not kept immediately above B.

How many boxes are kept below B?

A. 3



B. 1

C. 4

D. 2

General Awareness

20 Questions • Answer Key

Q81 General Awareness

Which author's work 'Paradise Inc.' critiques Western conservation models in Africa through memoir and photojournalism?

A. Guillaume Bonn



B. Colum McCann

C. Nell Stevens

D. Banu Mushtaq

Q82 General Awareness

Where was the Khelo India Winter Games, 2025, First Phase, held from 23 January?

A. Manali

B. Gulmarg

C. Dehradun

D. Leh

**Q83 General Awareness**

Who became the oldest player to make a debut in men's international cricket, appearing in a T20I match at the age of 62 years and 147 days in March 2025?

A. Andrew Brownlee



B. Nolan Clarke

C. James Southerton

D. Osman Göker

Q84 General Awareness

Which institute has developed an indigenously made point-of-care test kit for early diagnosis of Haemophilia A and Von Willebrand Disease?

A. National Institute of Immunohaematology



B. National Institute of Virology

C. Indian Council of Medical Research (ICMR)

D. All India Institute of Medical Sciences (AIIMS)

Q85 General Awareness

In 2025, India launched Operation SINDOOR in response to a terror attack. The operation targeted terrorist camps in which region?

A. Rajasthan & Pakistan occupied Kashmir

B. Punjab & Pakistan

C. Pakistan and Pakistan occupied Kashmir



D. Gujarat & Pakistan

Q86 General Awareness

How many people were lifted out of extreme poverty in India between 2011-12 and 2022-23, as per the World Bank?

A. 200 million

B. 150 million

C. 171 million



D. 220 million



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Q87 General Awareness

Which Odia poet won the Bal Sahitya Puraskar in June 2025 for Kete Phula Phutichhi?

- A. Fagu Baskey
- B. Rajkishore Parhi
- C. Subrat Senapati
- D. Mayur Khavdu

Q88 General Awareness

The National Sports Governance Act, 2025, was enacted to address which of the following?

- A. Sports infrastructure funding gaps
- B. Athlete selection controversies only
- C. Challenges and impediments in the governance of sports bodies
- D. Financial irregularities in sports broadcasting

Q89 General Awareness

Which of the following Brazilian cities hosted the 17th BRICS Summit on 6–7 July 2025?

- A. Manaus
- B. Rio de Janeiro
- C. Brasilia
- D. Sao Paulo

Q90 General Awareness

Which national park was declared India's 58th Tiger Reserve in March 2025?

- A. Madhav National Park, Madhya Pradesh
- B. Ramgarh Vishdhari National Park, Rajasthan
- C. Orang National Park, Assam
- D. Guru Ghasidas National Park, Chhattisgarh

Q91 General Awareness

Which of the following missile systems did India test within a 24-hour window in July 2025, showcasing strategic deterrence capabilities?

- A. Agni-II, Astra, Shaurya
- B. iDEX innovation
- C. Prithvi-II, Agni-I
- D. Agni-V, BrahMos

Q92 General Awareness

The Hynniewtrep Youth Council (HYC) raised objections against a proposed eco-tourism project in which of the following wildlife sanctuaries in May 2025?

- A. Nongkhylllem Wildlife Sanctuary
- B. Namdapha Wildlife Sanctuary
- C. Manas Wildlife Sanctuary
- D. Kamlang Wildlife Sanctuary

Q93 General Awareness

What is the name of the submarine commissioned by India on January 15, 2025?

- A. INS Vela
- B. INS Kalvari
- C. INS Khanderi
- D. INS Vagsheer

Q94 General Awareness

As reported in August 2025, which of the following relief measures did exporters request from the government and Reserve Bank of India (RBI) to help with financial strain caused by US tariffs?

- A. Increase in export tariffs
- B. Relaxation on loan repayments
- C. Complete write-off of loans
- D. Import bans on US goods

Q95 General Awareness

Where was the National Conference on 'Opportunities of Defence Manufacturing in the Country' held in India on October 7, 2025?

- A. Bengaluru
- B. New Delhi
- C. Jaipur
- D. Chandigarh

Q96 General Awareness

Haryana's 2025 environmental plan aims to fully eliminate stubble burning by which target year?

- A. 2047
- B. 2030
- C. 2028
- D. 2045



Q97 General Awareness

Which of the following Indian banks increased the minimum balance requirement for new customers for the semi-urban segment branches to ₹25,000, compared to its earlier ₹5,000 levels from August 1, 2025?

- A. HDFC Bank
- B. Punjab National Bank
- C. ICICI Bank
- D. State Bank of India

Q98 General Awareness

Which government body is most likely involved in organising or supporting Esports Conclave 2025?

- A. Ministry of Home Affairs
- B. Ministry of External Affairs
- C. Ministry of Education
- D. Ministry of Youth Affairs and Sports

Q99 General Awareness

The Italian Open, 2025, held in May 2025, was won by:

- A. Tan Ning
- B. Carlos Alcaraz
- C. Jannik Sinner
- D. Rafael Nadal

Q100 General Awareness

Apart from 30th January, on which other date is Martyrs' Day observed in India to honour Bhagat Singh, Rajguru and Sukhdev?

- A. 15th March
- B. 23rd March
- C. 9th August
- D. 13th April



General Science

25 Questions • Answer Key

Q1 General Science

Which of the following equations does NOT correctly represent the relationship between physical quantities for an object moving with uniform acceleration?

A. $v^2 - u^2 = 2as$

B. $s = ut + \frac{1}{2}at^2$

C. $2as = v^2 + u^2$ ✓

D. $v = u + at$

Q2 General Science

If the surface area increases for the same thrust (force), then the pressure on the surface _____.

A. becomes zero

B. remains the same

C. increases

D. decreases ✓

Q3 General Science

A single-turn coil of radius R produces a magnetic field B at its centre. If the same wire is wound into a coil of n turns (each of radius R/n) carrying the same current I , what will be the value of the new field at the centre?

A. nB B. B/n C. B D. n^2B ✓

Q4 General Science

What is the primary chemistry behind a displacement reaction?

A. One element displaces another from a compound ✓

B. Two reactants combine to generate one product

C. Compounds disintegrate into two or more components

D. Ion exchange occurs between two substances

Q5 General Science

What type of ions exchange between reactants in a double displacement reaction?

A. Negative - negative ions

B. Positive - positive ions

C. Both positive - positive ions and negative - negative ions

D. Positive - negative ions ✓

Q6 General Science

The power of a lens is given as the reciprocal of its:

A. Focal length (in metres) ✓

B. Diameter

C. Radius

D. Thickness

Q7 General Science

What defines two elements as isobars?

A. Same mass number but different atomic numbers ✓

B. Same number of electrons

C. Same number of neutrons

D. Same atomic number

Q8 General Science

Which of the following cell organelles have cisterns and is involved in the formation of lysosomes?

A. Golgi apparatus ✓

B. Leucoplast

C. Chromoplast

D. Mitochondria

Q9 General Science

Which of the following carbon compounds shows the presence of a branched chain structure?

A. Ethane (C_2H_6)B. Methane (CH_4)C. Cyclohexane (C_6H_{12})D. Butane (C_4H_{10}) ✓

Q10 General Science

The parenchyma cells in plants are:

- A. living and loosely arranged with intercellular spaces** ✓
- B. dead and compactly arranged without spaces
- C. dead and elongated with lignified walls
- D. living and thickened at corners without spaces

Q11 General Science

A block of mass 1 kg is dropped from the top of a building of height X m. What will be the value of X if the block hits the ground with a velocity of 20 m/s?

(Take the value of $g = 10 \text{ m/s}^2$)

- A. 20 m** ✓
- B. 0.2 m
- C. 200 m
- D. 2 m

Q12 General Science

Soap molecules arrange themselves in which form to perform cleaning action?

- A. Crystal
- B. Colloid
- C. Micelles** ✓
- D. Precipitation

Q13 General Science

How do plants excrete their waste products?

- A. By storing them in vacuoles or excreting through falling leaves and resins** ✓
- B. By converting all wastes into oxygen and carbon dioxide
- C. By removing wastes directly through root hairs only
- D. By releasing them through special excretory organs called nephrons

Q14 General Science

Why does the amount of DNA NOT keep doubling during sexual reproduction in animals?

- A. Because both gametes get halved after fertilisation to form the zygote
- B. Because both gametes get doubled before fertilisation to form the zygote
- C. Because both gametes get doubled after fertilisation to form the zygote
- D. Because both gametes get halved before fertilisation to form the zygote** ✓

Q15 General Science

If a body's velocity changes from +20 m/s to -10 m/s in 4 seconds, the acceleration is _____.

- A. + 7.5 m/s²
- B. - 5.0 m/s²
- C. - 7.5 m/s²** ✓
- D. + 5.0 m/s²

Q16 General Science

Atoms of different elements with different _____ numbers but the same _____ number are known as isobars.

- A. atomic, atomic
- B. mass, mass
- C. mass, atomic
- D. atomic, mass** ✓

Q17 General Science

What is the key realization that can lead to more sustainable use of natural resources?

- A. Only future generations must benefit from resources
- B. Selfish exploitation causes environmental harm and misery** ✓
- C. Rules alone can ensure conservation
- D. Unlimited growth is always beneficial

Q18 General Science

Which animal is known to communicate using infrasound?

- A. Bat
- B. Rhinoceros** ✓
- C. Dolphin
- D. Rat



Q19 General Science

Which of the following methods ensures prevention of transmission of sexually transmitted diseases during sexual intercourse?

- A. Using oral pills
- B. Tubectomy
- C. Vasectomy
- D. Using condoms

**Q20 General Science**

The magnification of a concave mirror is -1 . Which of the following statements is correct about the position of the object?

- A. Object is at the centre of curvature
- B. Object is beyond the centre of curvature
- C. Object is at focus
- D. Object is between focus and pole

**Q21 General Science**

The resistance of a conductor depends on the:

- A. Voltage applied across the conductor
- B. Length and area of cross-section only
- C. Current flowing through it
- D. Length, area of cross-section, material of the conductor, and temperature

**Q22 General Science**

A sample of brass is melted and poured into a mold to make a musical instrument. Which of the following correctly explains why brass is classified as a homogeneous mixture?

- A. The components of brass are chemically bonded and cannot be separated
- B. Brass is made of only one type of atom and hence appears uniform
- C. The components of brass are uniformly distributed and cannot be distinguished visually
- D. Brass is an example of a compound formed by the reaction of zinc and copper

**Q23 General Science**

Which of the following options best describes a component of a flower's reproductive system?

- A. Pollen is created in the ovule.
- B. Stamen includes both anther and filament.
- C. Pistil functions as the male part.
- D. Ovary is located in the stamen.

**Q24 General Science**

In electrolytic refining, the pure metal is used as:

- A. a cathode
- B. an electrolyte
- C. an anode
- D. sulphur

**Q25 General Science**

In a reflex arc, which of the following represents the correct path of the impulse?

- A. Receptor → Spinal cord → Brain → Muscle
- B. Receptor → Brain → Spinal cord → Muscle
- C. Receptor → Motor neuron → Spinal cord → Muscle
- D. Receptor → Spinal cord → Motor neuron → Muscle



Q26 Mathematics

One pipe can fill a tank in 6 minutes, while another pipe can empty the completely filled tank in 15 minutes. If both the pipes are opened together when the tank is empty, how many minutes will it take to fill one-half of the tank?

A. 5



B. 6

C. 11

D. 10

Q27 Mathematics

Find the LCM of the numbers 780, 2080 and 2600.

A. 10400

B. 31200



C. 15600

D. 6240

Q28 Mathematics

If the fourth proportional to P, 25 and 8 is 4, then find the value of P.

A. 52

B. 50



C. 48

D. 49

Q29 Mathematics

In $\triangle ABC$, $BD \perp AC$ at D and $\angle DBC = 71^\circ$. E is a point on BC such that $\angle CAE = 55^\circ$. What is the measure of $\angle AEB$?

A. 66° B. 79° C. 74° D. 73° **Q30 Mathematics**

A dealer marks his goods at 37% above the cost price and allows a discount of 16% on the marked price. What is his gain or loss percentage?

A. 14.66% loss

B. 16.51% loss

C. 15.08% gain



D. 12.76% loss

Q31 Mathematics

What is the mode of the following data?

41, 48, 54, 50, 54, 48, 42, 43, 48, 42, 53, 45, 44, 50, 49, 45, 43, 48, 42, 48

A. 50

B. 41

C. 48



D. 54

Q32 Mathematics

The monthly incomes of two friends Rakesh and Shivam, are in the ratio 5 : 9, respectively, and each of them saves ₹39,000 every month. If the ratio of their monthly expenditure is 1 : 3, find the monthly income of Rakesh(in ₹).

A. 64,000

B. 66,000

C. 65,000



D. 91,000

Q33 Mathematics

The mean and the mode of a set of data are 53.1 and 14.1, respectively. Find the median of the data, using the empirical formula.

A. 40.5

B. 41.8

C. 42.8

D. 40.1

**Q34 Mathematics**

In a parallelogram, the length of its two adjacent parallel sides are 11.9 cm and a cm where a is the smaller side. If the perpendicular distance between the two longer and shorter sides are 3.9 cm and 5.1 cm, find the perimeter of the parallelogram.

A. 48.2 cm

B. 45.6 cm

C. 42 cm



D. 38 cm



Q35 Mathematics

The sum of two numbers is 32. If one number is 5 more than twice the other, then find the smaller number.

- A. 7
- B. 11
- C. 9
- D. 13

**Q36 Mathematics**

If the curved surface area of a cylinder of height 6 cm is 264 cm^2 , then its volume is: (Use $\pi=22/7$)

- A. 824 cm^3
- B. 944 cm^3
- C. 950 cm^3
- D. 924 cm^3

**Q37 Mathematics**

Which of the following numbers is divisible by both 2 and 5?

- A. 135
- B. 133
- C. 134
- D. 130

**Q38 Mathematics**

Two trains, 248 m and 142 m in length are running in opposite directions. The first runs at the rate of 34 km/hr and the second at the rate of 74 km/hr. How long will they take to cross each other?

- A. 13 seconds
- B. 12 seconds
- C. 18 seconds
- D. 19 seconds

**Q39 Mathematics**

The difference of the present ages of two friends Gopal and Manoj is 2 years. If the ratio of their ages after 18 years from now will be 21 : 22, then find the sum of their respective ages 10 years ago from now (in years).

- A. 39
- B. 32
- C. 46
- D. 30

**Q40 Mathematics**

A man buys 9 identical articles for a total of ₹16. If he sells each of them for ₹2.8, then his profit percentage will be ____%.

- A. 58.5
- B. 37.51
- C. 36.51
- D. 57.5

**Q41 Mathematics**

The price of fuel decreases by 45%, 55% and 50% in three successive months, but increases by 40% in the fourth month. What is the percentage increase/decrease in the price of fuel in the fourth month as compared to its original price? (Round off the answer to two decimal places.)

- A. Decreases by 78.11%
- B. Decreases by 82.68%
- C. Increases by 81.11%
- D. Increases by 85.23%

**Q42 Mathematics**

Find the simple interest (in ₹) on ₹2,000 at 7% per annum rate of interest for the period from 3 February 2023 to 17 April 2023.

- A. 28
- B. 29
- C. 27
- D. 26

**Q43 Mathematics**

A person who spends 75% of his monthly income is able to save ₹4,827 per month. His monthly expenses (in ₹) are:

- A. 14,481
- B. 14,435
- C. 14,394
- D. 14,395



Q44 Mathematics

A cistern has a hole at the bottom through which water leaks. A tap can fill the cistern in 7 hours and the hole at the bottom can empty the fully filled cistern in 8 hours. If both the tap and the hole are open, then what will be the time taken to completely fill the empty cistern?

A. 56 hours



B. 75 hours

C. 66.5 hours

D. 36.6 hours

Q45 Mathematics

Simplify the given expression.

$$189 \div 9 + 117 \div 13 \times 5 - 12 \text{ of } 4 + 9 \times 7$$

A. 83

B. 81



C. 89

D. 87

Q46 Mathematics

Three numbers are in the ratio $\frac{4}{8} : \frac{11}{16} : \frac{18}{21}$. The difference between the greatest and the smallest numbers is 40. Find the largest number.

A. 96



B. 95

C. 98

D. 97

Q47 Mathematics

From the top of a 50 m high tower, the angle of depression to a car on the ground is 30° , and the angle of elevation to a balloon directly above the car is 60° . Find the height of the balloon from the ground.

A. 200 metres



B. 100 metres

C. 150 metres

D. 250 metres

Q48 Mathematics

A dealer purchased a washing machine for ₹7660. If he allows a discount of 12% on its marked price and still gains 10%, then the marked price of the machine is:

A. ₹9575



B. ₹9975

C. ₹8975

D. ₹8575

Q49 Mathematics

If $x + \frac{1}{x} = 17$, then the value of $(x^2 + \frac{1}{x^2})$ is:

A. 291

B. 283

C. 289

D. 287



Q50 Mathematics

Walking at $\frac{3}{4}$ of his normal speed from his home, Tarun is 19 minutes late in reaching his office.

The usual time taken by him to cover the distance between his home and his office is:

- A. 66 minutes
- B. 59 minutes
- C. 53 minutes
- D. 57 minutes

**General Intelligence & Reasoning**

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

In a certain code language,
 'A + B' means 'A is the mother of B',
 'A - B' means 'A is the sister of B',
 'A × B' means 'A is the son of B' and
 'A ÷ B' means 'A is the brother of B'.

How is D related to K if 'D + E - F ÷ G × K'?

- A. Daughter
- B. Sister
- C. Wife
- D. Mother

**Q52 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

103 119 135 151 167 ?

- A. 179
- B. 180
- C. 185
- D. 183

**Q53 General Intelligence & Reasoning**

If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark (?) in the following equation?

70 B 4 D (50 A 5) B 11 C (24 A 2) B 4 C 10 = ?

- A. 172
- B. 253
- C. 200
- D. 228

**Q54 General Intelligence & Reasoning**

Seven boxes, B, D, E, P, S, T and W, are kept one over the other but not necessarily in the same order. Only four boxes are kept between E and W. Only D is kept above E. Only two boxes are kept between P and T. S is kept immediately above B. T is not kept immediately above S. Which box is kept fourth from the top?

- A. T
- B. B
- C. P
- D. S

**Q55 General Intelligence & Reasoning**

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

HQL : ISO
 DGS : EIV

- A. MDR:OPS
- B. BIR:CKU
- C. BTS:DFG
- D. KFS:SAU

**Q56 General Intelligence & Reasoning**

Ritwik starts from Point A and drives 46 km towards east. He then takes a right turn, drives 54 km, turns right and drives 56 km. He then takes a right turn and drives 63 km. He takes a final right turn, drives 10 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified)

- A. 10 km to the north
- B. 7 km to the south
- C. 8 km to the south
- D. 9 km to the south



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Q57 General Intelligence & Reasoning

In a certain code language, 'stop disturbing people' is coded as 'ls ck rp' and 'people need peace' is coded as 'cd ok rp'. How is 'people' coded in that language?

A. ck

B. rp



C. ok

D. cd

Q58 General Intelligence & Reasoning

Six people, A, B, C, D, E and F, are sitting in a row, facing north. A sits third to the left of E. E sits second to the left of F. D sits to the immediate right of E. B sits to the immediate left of C. How many people sit between C and F?

A. None

B. One

C. Three

D. Two

**Q59 General Intelligence & Reasoning**

Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north.

Only two people sit to the left of G. Only three people sit between G and C. Only one person sits between C and E. A sits to the immediate left of B. F is not an immediate neighbour of C.

How many people sit to the right of F?

A. 2

B. 1

C. 4

D. 3

**Q60 General Intelligence & Reasoning**

If 'A' stands for ' $\div$ ', 'B' stands for ' $\times$ ', 'C' stands for ' $+$ ' and 'D' stands for ' $-$ ', what will come in place of the question mark (?) in the following equation?

$(80 \text{ A } 8) \text{ B } 5 \text{ C } 14 \text{ B } 2 \text{ D } 11 \text{ B } 3 \text{ C } 72 \text{ A } 4 = ?$

A. 63



B. 59

C. 74

D. 41

Q61 General Intelligence & Reasoning

Six people L, M, N, P, Q and R are sitting around a circular table facing towards the centre of the table.

There are exactly two people between P and N.

M sits second to the right of N.

R sits second to the right of M.

L sits to the immediate left of N.

Who is an immediate neighbour of both N and M?

A. Q



B. R

C. P

D. L

Q62 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. RTP



B. EHB

C. ORL

D. KNH

Q63 General Intelligence & Reasoning

In a certain code language, 'let you know' is coded as 'nj rc bh' and 'know the people' is coded as 'nh kp rc'. How is 'know' coded in that language? (All codes are two-letter codes.)

A. bh

B. nj

C. rc



D. kp

Q64 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

DRT UIK LZB CQS ?

A. TJH

B. THJ



C. THU

D. THY



Q65 General Intelligence & Reasoning

All 40 students in a class are standing in a row facing north. Rohan is 18th from the right end while Kajal is 22nd from the left end. How many people stand between Rohan and Kajal?

A. 1

B. 3

C. 2

D. 0

**Q66 General Intelligence & Reasoning**

FTBJ is related to OCKS in a certain way based on the English alphabetical order. In the same way, PDLT is related to YMUC. To which of the given options is QEMU related, following the same logic?

A. ZNMK

B. ZNVD



C. ZNJU

D. ZVDE

Q67 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All watches are shirts.
All watches are pants.
Some pants are belts.

Conclusions:

(I) Some belts are watches.
(II) Some pants are shirts.

A. Only conclusion (I) follows

B. Only conclusion (II) follows



C. Both conclusions (I) and (II) follow

D. Neither conclusion (I) nor (II) follows

Q68 General Intelligence & Reasoning

This question is based on the five, three-digit numbers given below.

(Left) 453 125 410 183 473 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

What will be the resultant if the third digit of the highest number is added to the third digit of the lowest number?

A. 7

B. 8



C. 11

D. 5

Q69 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

ZSL 18, VOH 29, RKD 40, NGZ 51, JCV 62, ?

A. FYR 73



B. FYI 73

C. FOR 73

D. FYL 73

Q70 General Intelligence & Reasoning

This question is based on the five, three-digit numbers given below.

(Left) 783 791 531 563 594 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

Note: All operations to be done from left to right.

What will be the resultant if second digit of the highest number is added to the second digit of lowest number?

A. 12



B. 10

C. 11

D. 9



Q71 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All bags are cars.

All aeroplanes are cars.

Conclusions:

(I) Some bags are aeroplanes.

(II) Some cars are aeroplanes.

A. Both conclusions (I) and (II) follow.

B. Only conclusion (II) follows. ✓

C. Only conclusion (I) follows.

D. Neither conclusion (I) nor (II) follows.

Q72 General Intelligence & Reasoning

What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$44 \div 6 + 195 \times 3 - 473 = ?$$

A. 741

B. 691

C. 776

D. 672 ✓

Q73 General Intelligence & Reasoning

Refer to the given number series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 4 3 7 1 3 5 9 4 6 2 1 7 4 2 9 7 6 7 9 5 1 3 8 4 2 5
(Right)

How many such even digits are there, each of which is immediately preceded by an even digit and immediately followed by an even digit?

A. Four

B. Two ✓

C. One

D. Three

Q74 General Intelligence & Reasoning

Tommy walks north for 30 metres, turns right, and walks 10 metres. Then he turns left and walks 25 metres to reach his school. In which direction is Tommy's school from his starting point? (All turns are 90-degree turns only, unless specified.)

A. South-east

B. North

C. North-east ✓

D. South

Q75 General Intelligence & Reasoning

Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

ME-KC-IL

PH-NF-LO

A. WO-UM-SX

B. ZO-VM-SX

C. WO-UM-SV ✓

D. ZO-UM-SX

Q76 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only).

(Left) 7 4 1 2 4 9 8 5 3 6 1 5 4 6 7 4 8 3 9 6 5 2 3 9 1 4 2
(Right)

If all the even numbers are dropped from the series, which of the following will be seventh from the right?

A. 1

B. 9

C. 3

D. 7 ✓

Q77 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

5 9 16 26 39 ?

A. 60

B. 58

C. 55 ✓

D. 51



Q78 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting / multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(424, 212, 212)
(508, 302, 206)

A. (521, 238, 273)

B. (460, 280, 160)

C. (560, 263, 297)



D. (525, 175, 360)

Q79 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. XZW



B. RSQ

C. MNL

D. IJH

Q80 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

29 35 42 50 59 69 ?

A. 95

B. 75

C. 80



D. 72

General Awareness

20 Questions • Answer Key

Q81 General Awareness

Which of the following cities hosted the 'Save The Earth Conclave: Bamboo for a Resilient Future'?

A. Lucknow

B. Mumbai

C. New Delhi



D. Surat

Q82 General Awareness

Which male athlete set new world indoor records in both the 1500 m (3:29.63 en route) and the mile (3:45.14) on 13 Feb 2025?

A. Yared Nuguse

B. Grant Fisher

C. Cole Hocker

D. Jakob Ingebrigtsen

**Q83 General Awareness**

Which athlete broke the Australian national 200 m record with a time of 20.02 seconds at the Golden Spike meet in Ostrava in 2025?

A. Reynier Mena

B. Gout Gout



C. Armand Duplantis

D. Aidan Murphy

Q84 General Awareness

Who is the author of the memoir Mother Mary Comes to Me, launched in September 2025?

A. Salman Rushdie

B. Kiran Desai

C. Vikram Seth

D. Arundhati Roy



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Q85 General Awareness

Which Constitutional Amendment Bill, introduced in the Lok Sabha in 2025, seeks to provide for the removal of the Prime Minister, Chief Minister, or any Minister who remains in custody for 30 consecutive days for a serious criminal offence?

- A. The Constitution (One Hundred and Thirtieth Amendment) Bill, 2025 ✓
- B. The Constitution (One Hundred and Twenty-Ninth Amendment) Bill, 2025
- C. The Constitution (One Hundred and Thirty-First Amendment) Bill, 2025
- D. The Constitution (One Hundred and Twenty-Eighth Amendment) Bill, 2025

Q86 General Awareness

Which of the following days marks the anniversary of the entry into force of the United Nations Charter (the day the UN was formally established)?

- A. 7 April
- B. 5 June
- C. 10 December
- D. 24 October ✓

Q87 General Awareness

Who among the following was appointed as the new Securities and Exchange Board of India (SEBI) Chairman in February 2025, becoming the first serving Finance Secretary to assume the role?

- A. Sanjay Malhotra
- B. Ajay Tyagi
- C. Sunil Sanghai
- D. Tuhin Kanta Pandey ✓

Q88 General Awareness

In May 2025, Bihar Chief Minister Nitish Kumar inaugurated new sports facilities at a university in Rajgir, located in which district?

- A. Vaishali district
- B. Gaya district
- C. Patna district
- D. Nalanda district ✓

Q89 General Awareness

According to SBI's January 2025 report, what was India's rural poverty rate in FY24?

- A. 4.86% ✓
- B. 7.2%
- C. 5.7%
- D. 4.09%

Q90 General Awareness

Which of the following missions led to the establishment of a National Biobank at the CSIR-Institute of Genomics and Integrative Biology (IGIB), New Delhi, in July 2025?

- A. India Biotech 2030 Mission
- B. Genome India Mission
- C. Bharat GeneBank Initiative
- D. Phenome India Project ✓

Q91 General Awareness

As stated by French President Emmanuel Macron on 9 June 2025, how many countries had ratified the High Seas Treaty by that date?

- A. 60
- B. 55
- C. 49 ✓
- D. 65

Q92 General Awareness

Which project by Ministry of IT won the Gold Award for using new technologies to help citizens at the 22nd National Awards for e-Governance 2025?

- A. Kharoli Village Panchayat
- B. KAVACH System
- C. Mine Treatment System
- D. Bhashini Project ✓

Q93 General Awareness

In June 2025, which Indian state withdrew the three-language policy for schools and formed a committee headed by educationist Narendra Jadhav to suggest the way forward?

- A. Karnataka
- B. Maharashtra ✓
- C. Tamil Nadu
- D. Gujarat



Q94 General Awareness

Who among the following headed the three-member committee formed in August 2025 to assess the Dharali disaster damage in Uttarakhand?

- A. CEO of Indian Civil Aviation Authority
- B. Uttarakhand Revenue Secretary, Surendra Pandey
- C. Uttarakhand Chief Minister, Pushkar Singh Dhami
- D. Home Minister of India, Amit Shah

Q95 General Awareness

The Environment Audit Rules, 2025, are aligned with which national reform agenda in India?

- A. Make in India
- B. Digital India
- C. Skill India
- D. Ease of Doing Business

Q96 General Awareness

Who won the Best Director award at the 71st National Film Awards, held in 2025 (honoring 2023 films)?

- A. Meghna Gulzar — Sam Bahadur
- B. Sudipto Sen — The Kerala Story
- C. Karan Johar — Rocky Aur Rani Kii Prem Kahaani
- D. Atlee — Jawan

Q97 General Awareness

Where was the India Open Badminton Super 750 tournament held in January 2025?

- A. Hyderabad
- B. Bengaluru
- C. Pune
- D. New Delhi

Q98 General Awareness

Which of the following is the correct Act, set to be replaced by the Indian Ports Bill, 2025, passed by the Upper House of Parliament on 18 August 2025?

- A. Indian Ports Act of 1910
- B. Indian Ports Act of 1909
- C. Indian Ports Act of 1911
- D. Indian Ports Act of 1908

Q99 General Awareness

In which of the following districts of Madhya Pradesh is Kuno National Park located?

- A. Shivpuri
- B. Balaghat
- C. Guna
- D. Sheopur

Q100 General Awareness

On 9 May 2025, Finance Minister Nirmala Sitharaman directed banks to stay fully alert and ready in light of which specific situation?

- A. Launch of a digital-only banking model
- B. Increasing prevalence of phishing scams
- C. Heightened geopolitical tensions near border regions
- D. Implementation of a new banking tax



General Science

25 Questions • Answer Key

Q1 General Science

Consider the following statements and select the correct option.

Statement A: Washing soda is obtained by heating baking soda strongly.

Statement B: It is used in glass, soap and paper industries.

A. Statement A is incorrect but B is correct. ✓

B. Both statements A and B are correct.

C. Statement A is correct but B is incorrect.

D. Both statements A and B are incorrect.

Q2 General Science

Testes are located outside the abdominal cavity, called _____.

A. Penis

B. Ureter

C. Scrotum ✓

D. Bladder

Q3 General Science

The symbol of an element represents which of the following?

A. One mole of the element

B. Atomic number and mass number

C. The full name of the element

D. One atom of the element only ✓

Q4 General Science

Which of the following contraceptive devices is placed in the uterus to prevent pregnancy?

A. Hormonal patch

B. Oral pills

C. Condom

D. Copper-T ✓

Q5 General Science

In a schematic electric circuit diagram, how is a voltmeter typically represented when connected to measure potential difference?

A. A circle with an 'A' inside, connected in series

B. A circle with a 'V' inside, connected in parallel ✓

C. A square with a 'V' inside, connected in parallel

D. A rectangle with an 'R' inside, connected in series

Q6 General Science

The magnetic field is strongest:

A. equidistant from the conductor

B. outside a solenoid

C. near the conductor ✓

D. far from the conductor

Q7 General Science

The gravitational force between the Earth and a body of mass 'm' kg is 'F' N. What will be the gravitational force between the body and the Earth if the mass of the body is increased to '4m' kg? (Keep all the other parameters the same)

A. $F/2$ N

B. $F/4$ N

C. F N

D. $4F$ N ✓

Q8 General Science

Which two physical properties allow metals to be drawn into thin wires and beaten into thin sheets, respectively?

A. Ductility and malleability ✓

B. Lustre and hardness

C. Sonorous and conductivity

D. High melting point and solid state



Q9 General Science

Which of the following gives the correct relation between the work done (W) in terms of force (F) acting on the body and the displacement (S) of the body in the same direction as the force?

A. $W = F/S$

B. $W = F \times S$ ✓

C. $W = F - S$

D. $W = F + S$

Q10 General Science

A force (F) of 60 N acts on a mass (m) of 6 kg. What will be the acceleration (a) produced by this force?

A. 360.0 m/s²

B. 0.10 m/s²

C. 6.0 m/s²

D. 10.0 m/s² ✓

Q11 General Science

What is the primary function of the kidneys in human beings?

A. To transport glucose and hormones throughout the body

B. To absorb oxygen and release carbon dioxide

C. To regulate digestion and nutrient absorption

D. To filter nitrogenous waste materials from the blood ✓

Q12 General Science

According to Newton's Third Law of Motion, which of the following statements is true?

A. Action and reaction are unequal and act on the same body.

B. Action and reaction act on the same body and are equal in magnitude.

C. Action and reaction cancel each other out because they act on one body.

D. Action and reaction are equal and opposite but act on two different bodies. ✓

Q13 General Science

Quickly pulling a hand back on touching a hot object is an example of _____.

A. Reflex action ✓

B. Hormonal action

C. Thinking action

D. Conditioned action

Q14 General Science

Name the scientist who defined elements as substances that CANNOT be broken down into simpler form by chemical reactions.

A. Robert Hookie

B. Antoine Laurent Lavoisier ✓

C. Charles Darwin

D. Robert boyle

Q15 General Science

Which of the following is a colloidal solution?

A. Sugar Solution

B. Salt Water

C. Milk ✓

D. Sand in Water

Q16 General Science

Carbohydrates produced in photosynthesis but not immediately used are stored as _____ in plants.

A. glucose

B. starch ✓

C. cellulose

D. protein

Q17 General Science

Rear-view mirrors of vehicles are usually _____.

A. concave mirrors

B. convex mirrors ✓

C. plane mirrors

D. parabolic mirrors

Q18 General Science

Which of the following enzymes is present in saliva?

A. No enzyme

B. Salivary Amylase ✓

C. Salivary Lipase

D. Salivary Protease



Q19 General Science

Which of the following is detected by gustatory receptors in our body?

- A. Light
- B. Sound
- C. Smell
- D. Taste

**Q20 General Science**

Which of the following is NOT a function of the stigma in the Hibiscus flower?

- A. Providing a sticky surface
- B. Receiving pollen grains
- C. Producing male germ cells
- D. Facilitating pollen tube growth

**Q21 General Science**

Which of the following statements about sound propagation is true?

- A. Sound can travel in a vacuum.
- B. Sound travels at the same speed in all mediums.
- C. Sound is the fastest in gases, slower in liquids and the slowest in solids.
- D. Sound is the fastest in solids, slower in liquids and the slowest in gases.

**Q22 General Science**

What type of chemical bond is typically formed when a metal reacts with a non-metal?

- A. Hydrogen bond
- B. Metallic bond
- C. Ionic bond
- D. Covalent bond

**Q23 General Science**

The twinkling of stars is more pronounced when _____.

- A. the star is near the horizon
- B. the moon is bright
- C. the sky is cloudy
- D. the star is at the zenith

**Q24 General Science**

What gas is typically released when ethanoic acid reacts with sodium carbonate?

- A. Methane gas
- B. Carbon dioxide gas
- C. Oxygen gas
- D. Hydrogen gas

**Q25 General Science**

Which of the following is the correct sequence in extraction of metals from ore?

- A. Refining → Concentration → Reduction
- B. Concentration → Electrolysis → Roasting
- C. Concentration → Reduction → Refining
- D. Reduction → Refining → Concentration

**Mathematics**

25 Questions • Answer Key

Q26 Mathematics

If the marked price of a towel is 85% more than its cost price and a discount of 20% is announced on it, then find the profit percentage.

- A. 49%
- B. 48%
- C. 45%
- D. 47%

**Q27 Mathematics**

P and Q together can fill a cistern with water in 10 hours. If P alone can fill the cistern with water in 20 hours, then in how many hours will Q alone fill one-fourth of the same cistern with water?

- A. 6
- B. 5
- C. 11
- D. 10



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Q28 Mathematics

The sides of a triangle are 105 cm, 137 cm, and 88 cm. What is its area (in cm^2)?

A. 4573

B. 4634

C. 4620



D. 4598

Q29 Mathematics

How many numbers up to 200 are divisible by 4 and 3 both?

A. 10

B. 16



C. 14

D. 12

Q30 Mathematics

If the third proportional of 64 and Z is 4, then what is the value of Z?

A. 18

B. 17

C. 14

D. 16

**Q31 Mathematics**

A man receives ₹7,420 per month as salary. He saves 35% of his salary every month. His expenditure per month is:

A. ₹4,857

B. ₹4,920

C. ₹4,724

D. ₹4,823

**Q32 Mathematics**

The expenditure of Sudha is 125% more than her savings. If her expenditure decreases by 14% and savings increase by 38%, then by what percentage does her income increase?

A. 5%

B. 6%

C. 3%

D. 2%

**Q33 Mathematics**

The present ages of A and B are in the ratio of 7 : 6. Eight years hence, the ratio of their ages will be 8 : 7. Find the present age of B.

A. 36 years

B. 24 years

C. 40 years

D. 48 years

**Q34 Mathematics**

Two trains, 297 m and 243 m, in length are running in opposite directions. The first runs at the rate of 42 km/hr and the second at the rate of 66 km/hr. How long will they take to cross each other?

A. 9 seconds

B. 13 seconds

C. 8 seconds

D. 18 seconds

**Q35 Mathematics**

The amount on a sum of ₹1,000 at the rate of 10% per annum compound interest, compounded annually, in 2 years will be:

A. ₹1,210



B. ₹1,220

C. ₹1,240

D. ₹1,640

Q36 Mathematics

A total profit of ₹25,000 is to be distributed amongst P, Q and R such that $P : Q = 2 : 1$ and $Q : R = 11 : 7$. The share (in ₹) of R in the profit is:

A. 4,225

B. 4,375



C. 4,325

D. 4,275

Q37 Mathematics

If the mode of a data exceeds its mean by 77.7, then the mode exceeds the median by _____. (Use empirical formula to find the answer)

A. 47.8

B. 52.2

C. 51.8



D. 58.8



Q38 Mathematics

Pipe A can fill a tank in 12 minutes, while pipe B can empty the completely filled tank in 24 minutes. Initially, pipe A is opened and after 4 minutes, pipe B is also opened. In how much time (in minutes) will the remaining tank be filled completely?

- A. 28
- B. 18
- C. 35
- D. 16

**Q39 Mathematics**

The arithmetic mean of the observations 64, 11, 66, 98, 25, 17, 50, 75 and 62 is:

- A. 52
- B. 45
- C. 44
- D. 56

**Q40 Mathematics**

Find the single equivalent discount (rounded off to two decimal places) for successive discounts of 16%, 29% and 4%.

- A. 44.77%
- B. 41.18%
- C. 42.75%
- D. 41.75%

**Q41 Mathematics**

If the cost price of 60 guavas is equal to the selling price of 45 guavas, what is the profit percentage (rounded off to 2 decimal places)?

- A. 34.33%
- B. 33.33%
- C. 32.33%
- D. 31.33%

**Q46 Mathematics**

Simplify: $(\sqrt{98} + \sqrt{200} - 2\sqrt{8})^2$

- A. $13\sqrt{2}$
- B. 338
- C. 169
- D. $169\sqrt{2}$

**Q42 Mathematics**

Three cubes of edges 3 cm, 4 cm, and 5 cm are melted and formed into a single cube. What is the percentage change in the total surface area after melting and recasting?

- A. 28% increase
- B. 28% decrease
- C. 22% decrease
- D. 22% increase

**Q43 Mathematics**

Amit and Rahul have a total of ₹50. If Amit has ₹16 more than Rahul, then find the amount with Rahul.

- A. ₹19
- B. ₹17
- C. ₹16
- D. ₹20

**Q44 Mathematics**

What is the smallest natural number that should be added to 5023, such that a remainder of 5 is left when the resulting number is divided by each of the numbers 20, 98, 35 and 21?

- A. 846
- B. 862
- C. 855
- D. 850

**Q45 Mathematics**

In a quadrilateral ABCD, $\angle A = 88^\circ$ and $\angle B = 81^\circ$. The bisectors of $\angle C$ and $\angle D$ meet at O. What is the measure of $\angle DOC$?

- A. 81.5°
- B. 96°
- C. 99°
- D. 84.5°



Q47 Mathematics

Walking at $\frac{3}{4}$ of his normal speed from his home, Manish is 20 minutes late in reaching his office. The usual time taken by him to cover the distance between his home and his office is:

- A. 54 minutes
- B. 70 minutes
- C. 60 minutes
- D. 58 minutes

**Q48 Mathematics**

If $\tan\theta + \cot\theta = 4$, then $\sec^2\theta \times \operatorname{cosec}^2\theta$ is equal to:

- A. 16
- B. 8
- C. 12
- D. 24

**Q49 Mathematics**

If $4A^2 + B^2 = 24$ and $AB = 4$, find the value of $2A + B$.

- A. $\pm 2\sqrt{10}$
- B. $\pm 2\sqrt{5}$
- C. $\pm 3\sqrt{5}$
- D. $\pm 3\sqrt{10}$

**Q50 Mathematics**

If 30% of 50% of $\frac{4}{7}$ of a number is 303, find the number.

- A. 4650
- B. 6400
- C. 3535
- D. 5860

**General Intelligence & Reasoning**

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

MIDQ is related to CYTG in a certain way based on the English alphabetical order. In the same way, YUPC is related to OKFS. To which of the given options is UQLY related, following the same logic?

- A. KOB I
- B. KGBO
- C. KOLP
- D. KGHY



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Q52 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. IO - KQ

B. NT - PV

C. CI - EL



D. JP - LR

Q53 General Intelligence & Reasoning

Which numbers should come in place of the question marks (?) in the same sequence to make the series logically complete?

789 779 769 ? 749 ? 729

A. 749 and 739, respectively

B. 769 and 739, respectively

C. 759 and 739, respectively



D. 759 and 729, respectively

Q54 General Intelligence & Reasoning

Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

JS-LU-OQ

LU-NW-QS

A. NW-PY-SU



B. MW-PY-SV

C. NW-PY-SV

D. MW-PZ-SV

Q55 General Intelligence & Reasoning

This question is based on the five, three-digit numbers given below.

(Left) 358 657 524 493 249 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

What will be the resultant if second digit of the highest number is added to the third digit of lowest number?

A. 12

B. 14



C. 13

D. 11

Q56 General Intelligence & Reasoning

In a certain code language,

'A ± B' means 'A is the wife of B',

'A * B' means 'A is the daughter of B',

'A ₹ B' means 'A is the father of B' and

'A # B' means 'A is the brother of B'.

How is D related to O if 'D * R ₹ A # C ± O'?

A. Wife's sister



B. Wife

C. Mother's sister

D. Sister

Q57 General Intelligence & Reasoning

Refer to the following series and answer the question that follows (all numbers are single digit numbers only).

Counting to be done from left to right only.

(Left) 2 4 2 7 4 8 9 6 9 1 1 2 4 5 7 5 2 3 1 3 9 5 4 4 7 9 3

(Right)

How many such odd numbers are there (from left to right) each of which is immediately preceded by an odd number and also immediately followed by an even number?

A. 2

B. 4

C. 3



D. 5



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Q58 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All hammers are anvils.
All anvils are metals.
All metals are plastics.

Conclusions:

- (I) All hammers are plastics.
(II) Some plastics are anvils.

- A. Neither conclusion (I) nor (II) follows.
B. Only conclusion (II) follows.
C. Only conclusion (I) follows.
D. Both conclusions (I) and (II) follow. ✓

Q59 General Intelligence & Reasoning

If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', then what will come in place of the question mark (?) in the following equation?

$$72 A 4 C 6 B 9 D 20 A 2 C 88 A 8 D 15 = ?$$

- A. 75
B. 58 ✓
C. 88
D. 42

Q60 General Intelligence & Reasoning

In the following number-pairs, the second number is obtained by applying certain mathematical operation(s) to the first number. Select the number-pair in which the numbers are related in the same way as are the numbers of the following pairs.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

17, 33
13, 25

- A. 74, 146
B. 23, 35
C. 31, 61 ✓
D. 54, 108

Q61 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers only.)

(Left) 9 3 8 7 9 4 8 6 2 5 9 3 6 5 1 2 6 1 5 8 3 9 9 6 8 8 3 9
(Right)

How many such perfect squares are there, each of which is immediately preceded by an odd number and also immediately followed by an even number? (NOTE: 1 is also a perfect square.)

- A. More than three ✓

- B. Three
C. Two
D. One

Q62 General Intelligence & Reasoning

Refer to the given series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 7 4 3 1 9 6 7 2 3 8 1 8 8 4 1 1 9 3 5 2 3 8 1 8 6 1 4
(Right)

How many such even numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- A. 8
B. 6 ✓
C. 5
D. 7

Q63 General Intelligence & Reasoning

Six people, A, B, C, D, E and F, are sitting in a row, facing north. F sits to the immediate left of A. C sits third to the left of D. C is an immediate neighbour of A. B sits to the immediate left of E. How many people sit between E and C?

- A. Two
B. One ✓
C. None
D. Three



Q64 General Intelligence & Reasoning

Kartik ranked 19th from the top and 54th from the bottom in his class. How many students are there in his class?

A. 71

B. 72



C. 73

D. 70

Q65 General Intelligence & Reasoning

In a certain code language, 'what you have' is coded as 'nq jl mk' and 'have you been' is coded as 'rs nq jl'. How is 'been' coded in that language?

A. rs



B. mk

C. jl

D. nq

Q66 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. YZ-DE

B. MN-QU



C. RS-WX

D. NO-ST

Q67 General Intelligence & Reasoning

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All atoms are protons.
Some protons are neutrons.

Conclusions:

- (I) All atoms are neutrons.
(II) No neutron is a proton.

A. Neither conclusion I nor II follows.



B. Both conclusions I and II follow.

C. Only conclusion I follows.

D. Only conclusion II follows.

Q68 General Intelligence & Reasoning

Six teachers — Judith, Anil, Myriam, Bina, Teresa and Jason — are sitting around a circular table, facing the centre. Judith is sitting second to the right of Anil. Anil is an immediate neighbour of both Myriam and Bina. Teresa is sitting second to the left of Myriam. Jason is sitting second to the left of Anil.

Who is sitting between Jason and Judith, when counted from the left of Jason?

A. Myriam

B. Teresa



C. Anil

D. Bina

Q69 General Intelligence & Reasoning

If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '−', then what will come in place of the question mark (?) in the following equation?

$$10 \text{ C } 6 \text{ B } 2 \text{ D } 45 \text{ A } 5 = ?$$

A. 15

B. 18

C. 13



D. 17

Q70 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

3, 5, 9, 17, 33, ?

A. 65



B. 57

C. 59

D. 62

Q71 General Intelligence & Reasoning

Six people, L, M, N, O, P and Q, are sitting in a row, facing towards north. N is sitting at the leftmost end of the row. Only 3 people are sitting between N and Q. L is sitting second right to P. M is sitting second right to L. Based on the given arrangement, three of the following four are alike and hence form a group. Which is the one that does NOT belong to that group?

A. OP



B. LM

C. NO

D. PL



Q72 General Intelligence & Reasoning

Sunil starts from point A and drives 64 km towards the west. He then takes a left turn, drives 63 km, turns left and drives 67 km. He then takes a left turn and drives 78 km. He takes a final left turn, drives 3 km and stops at point P. How far (shortest distance) and towards which direction should he drive in order to reach point A again? (All turns are 90-degree turns only unless specified.)

- A. 14 km to the south
- B. 15 km to the south
- C. 17 km to the north
- D. 16 km to the north

Q73 General Intelligence & Reasoning

Varun starts from Point M and drives 8 km towards the south. He then takes a left turn, drives 10 km, turns left and drives 3 km. He then takes a right turn and drives 5 km. He then takes a right turn and drives 7 km. He takes a final right turn, drives 15 km and stops at Point Y. How far (shortest distance) and in which direction is Point Y with respect to Point M?

(All turns are 90 degrees turns only unless specified).

- A. 12 km towards east
- B. 8 km towards east
- C. 12 km towards south
- D. 8 km towards south

Q74 General Intelligence & Reasoning

NMGT is related to THKQ in a certain way. In the same way, LSQR is related to RNUO. To which of the given options is GIUH related, following the same logic?

- A. MDYE
- B. MEXE
- C. NDXD
- D. NEYD

Q75 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

ASE QIU GYK WOA ?

- A. MRW
- B. MEQ
- C. MOI
- D. MEO

Q76 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

HIE 50 GHD 62 FGC 74 EFB 86 ?

- A. DMW 97
- B. DDZ 97
- C. DEA 98
- D. DFZ 98

Q77 General Intelligence & Reasoning

Each of the digits in the number 8325716 is arranged in ascending order from left to right. The position of how many digits will remain unchanged as compared to that in the original number?

- A. None
- B. One
- C. Two
- D. Three

Q78 General Intelligence & Reasoning

Mr. Hepa ranked 22nd from the bottom and 57th from the top in his class. How many students are there in his class?

- A. 78
- B. 75
- C. 76
- D. 77

Q79 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

382 392 400 406 410 ?

- A. 413
- B. 412
- C. 411
- D. 416



Q80 General Intelligence & Reasoning

In a certain code language, 'error mall bat' is coded as 'yr uh cl' and 'gap error unit' is coded as 'uh at nk'. How is 'error' coded in that language?

A. uh



B. at

C. cl

D. yr

General Awareness

20 Questions • Answer Key

Q81 General Awareness

What was the esteemed category of civilian honours conferred upon legendary Indian hockey player PR Sreejesh by President Droupadi Murmu at Rashtrapati Bhavan in April 2025?

A. National Sports Awards

B. Gallantry Awards

C. Bharat Ratna

D. Padma Awards

**Q82 General Awareness**

Why was Acko General Insurance fined ₹1 crore by the Insurance Regulatory and Development Authority of India (IRDAI) in May 2025?

A. Payments to an unregistered intermediary



B. Denial of health insurance claims

C. Mis-selling of ULIPs

D. Failure to meet solvency ratios

Q83 General Awareness

What is the name of the portal launched by the Government of India to support gender-responsive planning and budgeting?

A. Women's Finance Portal

B. Gender Budgeting Knowledge Hub



C. Gender Equality Resource Hub

D. Gender Planning & Budget Portal

Q84 General Awareness

Which award did Pakistani cricketer Sana Mir receive in June 2025?

A. ICC Hall of Fame



B. PCB Lifetime Achievement Award

C. Asia Woman Cricketer of the Year

D. ICC Best Bowler Award

Q85 General Awareness

According to the October 2025 Monetary Policy Report of the Reserve Bank of India, the revised GDP growth forecast for India for FY 2025-26 is ____.

A. 5.8%

B. 5.5%

C. 6.5%

D. 6.8%

**Q86 General Awareness**

Which country's deaf cricket team won a historic 5-match series against Trinidad & Tobago in 2025?

A. Australia

B. England

C. Pakistan

D. India

**Q87 General Awareness**

Which international badminton player became world No. 1 in 2025, marking a first in his country's history?

A. Kunlavut Vitidsarn



B. Lakshya Sen

C. Loh Kean Yew

D. Kodai Naraoka



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Q88 General Awareness

Which defence exercise involved the French carrier Charles de Gaulle in 2025?

A. Varuna



B. TROPEX

C. Dharma Guardian

D. Tiger Triumph

Q89 General Awareness

What was the theme of the first Global Conference on Manuscript Heritage held at Bharat Mandapam, New Delhi, in 2025?

A. Preserving India's Ancient Wisdom through Heritage Studies

B. Reviving Asian Manuscript Traditions through Shared Heritage

C. Digital Archives for Cultural Knowledge through Heritage Tools

D. Reclaiming India's Knowledge Legacy through Manuscript Heritage

**Q90 General Awareness**

In the 56th meeting of Monetary Policy Committee (MPC) held in August 2025, after assessing the current and evolving macroeconomic situation, the MPC voted to maintain the policy repo rate at:

A. 8.50%

B. 5.50%



C. 6.40%

D. 5.40%

Q91 General Awareness

Which of the following platforms are integrated under the National Cooperation Policy, 2025, to promote digital commerce for cooperatives?

A. GSTN and DigiLocker

B. e-NAM (National Agriculture Market) and e-Shram Portal

C. GeM (Government e-Marketplace) and ONDC (Open Network for Digital Commerce)



D. RuPay and UPI (Unified Payments Interface)

Q92 General Awareness

Which countries are collaborating for the Chandrayaan-5 mission, as announced by ISRO in March 2025?

A. India and Japan



B. India and Russia

C. India and China

D. India and the United States

Q93 General Awareness

In the 2025 Kho Kho World Cup, the Indian men's team secured the first-ever championship title by defeating which opponent in the final match?

A. Pakistan

B. Sri Lanka

C. Nepal



D. Bangladesh

Q94 General Awareness

Which among the following organisations launched the 'Scheme for Promoting Registration of Employers and Employees' (SPREE 2025)?

A. National Institute for Transforming India

B. Ministry of Finance

C. Employees' Provident Fund Organisation

D. Employees' State Insurance Corporation

**Q95 General Awareness**

India's first Cheetah Safari began in October 2025 at which national park?

A. Kuno National Park



B. Kanha National Park

C. Satpura National Park

D. Bandhavgarh National Park

Q96 General Awareness

The AI Centre of Excellence for Education announced in Union Budget 2025 is intended to benefit which sector the most?

A. Tourism

B. Education



C. Agriculture

D. Manufacturing



Q97 General Awareness

Which author won the Sahitya Akademi Yuva Puraskar for his novel, 'Ram C/O Anandhi', in June 2025?

- A. Kirtida Brahmhatt
- B. Akhil P Dharmajan
- C. Vikas Swarup
- D. Parvati Tirkey

Q98 General Awareness

Who among the following chaired the Parliamentary Consultative Committee meeting on 'Disaster Management and Capacity Building' in August 2025?

- A. Nirmala Sitharaman
- B. Amit Shah
- C. Narendra Modi
- D. Rajnath Singh

Q99 General Awareness

India's SDG ranking in the 10th Sustainable Development Report was released by:

- A. UN Sustainable Development Solutions Network
- B. World Bank Report
- C. International Monetary Fund Report
- D. World Economic Forum Report

Q100 General Awareness

Which of the following prestigious Indian cinema awards was conferred upon Mohanlal in September 2025 in recognition of his iconic contribution?

- A. Filmfare Lifetime Achievement Award, 2024
- B. Padma Shri, 2025
- C. National Film Award for Best Actor, 2025
- D. Dadasaheb Phalke Award, 2023



General Science

25 Questions • Answer Key

Q1 General Science

Based on the accepted values for the masses of the Earth and the Moon and the distance between them, what is the calculated gravitational force exerted by the Earth on the Moon?

A. 2.02×10^{20} NB. 7.4×10^{22} NC. 6.67×10^{-11} N

D. 9.8 N

Q2 General Science

Meenu starts from rest and pedals her bicycle to reach a speed of 5 m/s in 25 seconds. What is her acceleration?

A. 0.3 m/s²B. 0.2 m/s²C. 0.1 m/s²D. 0.4 m/s²

Q3 General Science

Which of the following nutrients is a macronutrient?

A. Potassium



B. Copper

C. Iron

D. Zinc

Q4 General Science

A wire of a given material has length L and cross-sectional area A , with resistance R . If the wire is stretched to twice its length while keeping the volume constant, what will be its new resistance?

A. $4R$ B. $2R$ C. $R/2$

D. ZERO

Q5 General Science

Which statement is INCORRECT about contraceptive pills?

A. They contain synthetic hormones (estrogen and progesterone) that prevent ovulation,

B. They are a highly effective form of birth control when taken correctly.

C. They protect against sexually transmitted infections.



D. They can cause side effects like irregular bleeding or nausea in some users.

Q6 General Science

Which of the following statements about sound propagation is correct?

A. Sound travels faster in gases than in solids.

B. Sound travels in the form of transverse waves in air.

C. Sound can travel in vacuum.

D. Sound requires a medium for propagation.



Q7 General Science

If a constant force (F) of 20 N moves an object through a displacement (d) of 5 m in the same direction, then what will be the work (W) done?

A. 200 J

B. 25 J

C. 100 J



D. 50 J

Q8 General Science

Select the correct option regarding the following two statements labelled Assertion (A) and Reason (R).

Assertion (A): If a substance loses oxygen during a reaction, it is said to be reduced.

Reason (R): Reduction is defined as the gain of hydrogen or loss of oxygen.

A. Both A and R are true, and R is the correct explanation of A.



B. Both A and R are true, and R is not the correct explanation of A.

C. A is true, but R is false.

D. A is false, but R is true.



Q9 General Science

What happens during the oxidation of ethanol?

- A. It forms an ester.
- B. It is converted into methane.
- C. It is converted into ethanoic acid. ✓
- D. It is converted into ethene.

Q10 General Science

Which of the following is NOT correct?

- A. Shorter wavelengths scatter more than longer wavelengths.
- B. The Tyndall effect can be used to detect colloids.
- C. Scattering depends on the wavelength of light.
- D. The sky appears blue because air absorbs blue light. ✓

Q11 General Science

What happens to metabolic activities in the absence of thyroxine?

- A. They only affect digestion
- B. They stop completely
- C. They slow down or become imbalanced ✓
- D. They speed up uncontrollably

Q12 General Science

Which of the following shows movement but not locomotion?

- A. Human
- B. Plant ✓
- C. Bird
- D. Dog

Q13 General Science

Which of the following statements correctly defines the atomic number of an element?

- A. The number of protons in the nucleus of an atom ✓
- B. The total number of protons and neutrons in the nucleus
- C. The number of neutrons in the nucleus of an atom
- D. The number of electrons in the outermost shell of an atom

Q14 General Science

Which statement is NOT true about smooth muscles?

- A. They are uninucleate
- B. They control involuntary movements
- C. They are spindle-shaped cells
- D. They have striations ✓

Q15 General Science

One volt (1 V), the SI unit of potential difference, is defined when _____.

- A. 1 joule of energy is dissipated in 1 second
- B. 1 coulomb of charge flows in 1 second
- C. 1 joule of work is done to move a charge of 1 coulomb ✓
- D. 1 milliamper of current flows through 1 Ohm of resistance

Q16 General Science

Which hormone triggers sexual maturation in boys?

- A. Estrogen
- B. Oxytocin
- C. Testosterone ✓
- D. Progesterone

Q17 General Science

Which of the following metals reacts with dilute hydrochloric acid to produce hydrogen gas?

- A. Silver
- B. Zinc ✓
- C. Gold
- D. Copper

Q18 General Science

If the temperature of a gas is increased at constant volume, what happens to the pressure?

- A. It decreases.
- B. It cannot be determined.
- C. It increases. ✓
- D. It remains the same.



Q19 General Science

Which of the following is NOT an example of Newton's Third Law?

- A. A stone dropping freely toward the ground** ✓
- B. A gun moving backward after firing a bullet
- C. A horse pulling a loaded cart
- D. A rocket rising upward as gases are expelled downward

Q20 General Science

The defect of hypermetropia can be corrected by using which of the following?

- A. Prism
- B. Convex lens** ✓
- C. Concave lens
- D. Cylindrical lens

Q21 General Science

Which of the following statements correctly explains why carbon forms covalent bonds in organic compounds?

- A. Carbon has a high tendency to form positive ions
- B. Carbon atoms have a full outer shell and do not react
- C. Carbon easily donates all its valence electrons to non-metals
- D. Carbon has four electrons in its outer shell and shares electrons to complete its octet** ✓

Q22 General Science

Which of the following describe(s) the versatile nature of carbon?

- a. The ability to form bonds with other carbon atoms giving rise to large molecules.
- b. The ability to form double bonds with other carbon atoms.
- c. The ability to form bonds with other atoms like oxygen, nitrogen, sulphur, hydrogen etc.

- A. Only a
- B. Only a and c
- C. All a, b and c** ✓
- D. Only b and c

Q23 General Science

When fertilisation takes place inside the female body, it is called _____.

- A. test-tube babies
- B. in vitro fertilisation
- C. internal fertilisation** ✓
- D. external fertilisation

Q24 General Science

Which of the following plant tissues is made up of cells that are dead at maturity?

- A. Sclerenchyma** ✓
- B. Aerenchyma
- C. Collenchyma
- D. Parenchyma

Q25 General Science

Which of the following statements best defines the term 'formula unit mass'?

- A. The sum of atomic masses of all atoms in a molecule
- B. The mass of one mole of a compound
- C. The mass of an individual atom of an element
- D. The sum of the atomic masses of the ions in an ionic compound as represented by its formula** ✓



Q26 Mathematics

The median of the following observations 46, 64, 87, 41, 58, 77, 35, 90, 55, 92, 33 is 58. If 92 is replaced by 99 and 41 by 43 in the given data, then the new median is:

A. 58



B. 56.5

C. 55

D. 57.5

Q27 Mathematics

If each edge of a cube is increased by 10%, then the percentage increase in its surface area is:

A. 25%

B. 20%

C. 22%

D. 21%

**Q28 Mathematics**

In quadrilateral PQRS, the bisectors of $\angle R$ and $\angle S$ meet at the point T (inside the quadrilateral) and $\angle STR = 22.5^\circ$. If the ratio of $\angle P$ to $\angle Q$ is 4 : 5, then what is the difference between the measures of $\angle Q$ and $\angle P$?

A. 1° B. 6° C. 5° D. 2° **Q29 Mathematics**

The ratio of the number of girls and boys participating in the sports of a school is 2 : 5. If the number of girls is 200, determine the number of boys participating in the sports.

A. 530

B. 475

C. 520

D. 500

**Q30 Mathematics**

What is the number of ordered pairs (x, y) where x, y are positive integers such that the eight digit number $74 \times 8935y$ is divisible by 11?

A. 7



B. 10

C. 6

D. 9

Q31 Mathematics

A scheme like 'Buy 6, Get 2 Free' on the same kind of articles with the same MRP attracts a ____ % discount.

A. 26

B. 25



C. 33.33

D. 34.33

Q32 Mathematics

A basket contains 42 fruits, which are either apples or oranges. If there are 6 more apples than oranges, how many oranges are there?

A. 22

B. 20

C. 18



D. 24

Q33 Mathematics

A cash payment that will settle a bill for 625 pairs of boots at ₹94 per pair of boots with successive discounts of 20% and 7% with a further discount of 20% on cash payment is:

A. ₹34,972

B. ₹34,963

C. ₹34,992

D. ₹34,968

**Q34 Mathematics**

The cost price of a toy car is 80% of its selling price. If the selling price is ₹100, what is the profit percentage?

A. 25%



B. 100%

C. 80%

D. 20%



Q35 Mathematics

From a point 30 m away from the base of a tree, the angle of elevation of the top of the tree is 60° . Find the height of the tree (take $\sqrt{3} = 1.73$).

- A. 51 m
- B. 51.9 m
- C. 54 m
- D. 52.5 m

**Q36 Mathematics**

The price of fuel decreases by 45%, 35% and 30% in three successive months, but increases by 45% in the fourth month. What is the percentage increase/decrease in the price of fuel in the fourth month as compared to its original price? (Round off the answer to two decimal places.)

- A. Increases by 59.57%
- B. Decreases by 63.71%
- C. Increases by 61.52%
- D. Decreases by 64.78%

**Q37 Mathematics**

The amount on a sum of ₹4,200 at 20% per annum compound interest, compounded annually, in 2 years will be:

- A. ₹6,497
- B. ₹6,219
- C. ₹5,348
- D. ₹6,048

**Q38 Mathematics**

The monthly incomes of two friends David and Ashish, are in the ratio 5 : 8, respectively, and each of them saves ₹81,000 every month. If the ratio of their monthly expenditure is 2 : 4, find the monthly income of David (in ₹).

- A. 2,83,500
- B. 2,03,500
- C. 2,01,500
- D. 2,02,500

**Q39 Mathematics**

If an X-m long train running at a speed of 63 m/s crosses a railway platform in 28 sec, find the value of X, if the length of the railway platform is 213 m.

- A. 1558
- B. 1549
- C. 1551
- D. 1545

**Q40 Mathematics**

A car covers three different segments of a journey: it travels 40 km at a speed of 60 km/hr, then 50 km at a speed of 50 km/hr and finally 60 km at a speed of 40 km/hr. What is the car's average speed (rounded off to one decimal place) for the entire trip?

- A. 52.9 km/hr
- B. 48.3 km/hr
- C. 50.3 km/hr
- D. 47.4 km/hr

**Q41 Mathematics**

₹4,445 is divided among A, B and C in such a way that if ₹65, ₹39 and ₹77 are deducted from their respective shares, they have money in the ratio 18:3:20. Find the difference between B's and C's original shares.

- A. ₹1,868
- B. ₹1,918
- C. ₹1,718
- D. ₹1,806

**Q42 Mathematics**

The average age of 31 students of a class is 30 years. If the age of the teacher is also included, the average age of the whole group becomes 31 years. The age (in years) of the teacher is:

- A. 63
- B. 65
- C. 64
- D. 62

**Q43 Mathematics**

Simplify: $(0.7 \times 72 \div 14 + 6.25 - 8.34 \times 0.15 + 5.95)$

- A. 14.549
- B. 14.823
- C. 21.549
- D. 12.526



Q44 Mathematics

A, B and C can do a piece of work in 3, 12 and 12 days, respectively. How long (in days) will they take to do twice the same work, working together?

A. 5

B. 12

C. 4



D. 8

Q45 Mathematics

What is the number of natural numbers less than or equal to 1000 and divisible by 5 or 7?

A. 328

B. 314



C. 370

D. 342

Q46 Mathematics

The sum of the ages of a daughter and her mother is 56 years. After 8 years, the age of the mother will be three times that of the daughter. Find the daughter's present age (in years).

A. 10



B. 18

C. 12

D. 16

Q47 Mathematics

The lengths of each side of two squares are given as $(5 + \sqrt{3})$ cm and $(5 - \sqrt{3})$ cm, respectively. What is the sum of the areas of these two squares?

A. 25 cm^2

B. 28 cm^2

C. 52 cm^2

D. 56 cm^2

**Q48 Mathematics**

If A can complete a task in 10 days and B is 25% more efficient than A, how long (in days) will it take them to complete 60% of the task when they work together?

A. $2\frac{1}{3}$

B. $1\frac{2}{3}$

C. $1\frac{1}{3}$

D. $2\frac{2}{3}$

**Q49 Mathematics**

$\frac{1}{30}$ is what percentage of $\frac{1}{90}$?

A. 300%



B. 315%

C. 310%

D. 600%



Q50 Mathematics

A sphere of radius 14 cm is cut along three diametrical planes to form 6 equal parts. What would be the total surface area (in cm^2) of all the new pieces so obtained?

$$\left(\text{Take } \pi = \frac{22}{7} \right)$$

A. 4312

B. 5544

C. 7392

D. 6160

**General Intelligence & Reasoning**

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

In a certain code language,
 P + Q means 'P is the father of Q',
 P # Q means 'P is the wife of Q',
 P & Q means 'P is the brother of Q',
 and P % Q means 'P is the sister of Q'.

How is O related to L if 'O # G + N # T + L'?

A. Father's mother

B. Mother's mother



C. Mother's father

D. Sister's husband

Q52 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers only.)

(Left) 6 1 8 4 3 5 2 7 4 4 4 5 9 1 7 4 7 3 7 7 7 8 3 5 6 7 8
 (Right)

How many such even numbers are there each of which is immediately preceded by an odd number and also immediately followed by an odd number?

A. 4



B. 6

C. 3

D. 5

Q53 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. OU - TA



B. KQ - PV

C. EK - JP

D. NT - SY

Q54 General Intelligence & Reasoning

In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

INFO - NOFI - OFNI
 WAKE - AEKW - EKAW

A. GIRL - IGRL - LIRG

B. TIDE - TDIE - EDIT

C. FEAR - ERAF - RAEF



D. HACK - AHCK - KACH



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Q55 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows. All numbers are single-digit numbers only. Counting to be done from left to right only.

(Left) 2 6 9 1 2 5 7 2 5 2 2 4 7 9 3 2 5 4 1 4 9 9 1 8 9 (Right)

How many such even numbers are there, each of which is immediately preceded by an even number and also immediately followed by an even number?

- A. Four
- B. Three
- C. One
- D. Two

**Q56 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

188 170 152 134 116 ?

- A. 100
- B. 98
- C. 104
- D. 96

**Q57 General Intelligence & Reasoning**

If 'A' stands for ' $\div$ ', 'B' stands for ' $\times$ ', 'C' stands for ' $+$ ' and 'D' stands for ' $-$ ', what will come in place of the question mark (?) in the following equation?

88 B 3 D 615 A 15 C 152 = ?

- A. 340
- B. 375
- C. 360
- D. 325

**Q58 General Intelligence & Reasoning**

A, B, C, R, S, T and U are sitting around a circular table facing the centre of the table. Only three people sit between R and T when counted from the left of R. Only three people sit between B and A when counted from the right of A. S sits to the immediate right of B. U is an immediate neighbour of A as well as T. Who sits to the second to the left of C?

- A. R
- B. B
- C. U
- D. A

**Q59 General Intelligence & Reasoning**

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All pencils are erasers.
Some erasers are crayons.

Conclusions:

(I) Some pencils are crayons.
(II) Some erasers are pencils.

- A. Only conclusion (II) follows.
- B. Only conclusion (I) follows.
- C. Both conclusions (I) and (II) follow.
- D. Neither conclusion (I) nor (II) follows.

**Q60 General Intelligence & Reasoning**

Six people, A, B, C, D, E and F, are sitting in a row, facing north. A sits third to the left of E. E sits second to the left of F. D sits to the immediate right of E. B sits to the immediate left of C. How many people sit between C and F?

- A. Two
- B. None
- C. One
- D. Three

**Q61 General Intelligence & Reasoning**

QK 13 is related to TO 17 in a certain way. In the same way, IC 24 is related to LG 28. To which of the given options is SM 35 related, following the same logic?

- A. VQ 39
- B. UR 38
- C. VO 39
- D. VO 38

**Q62 General Intelligence & Reasoning**

Which of the following numbers will replace the question mark (?) in the given series?

1408, 704, 176, 88, ?, 11

- A. 36
- B. 64
- C. 44
- D. 22



Q63 General Intelligence & Reasoning

What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$11 \div 3 + 24 \times 4 - 1 = ? + 5$$

A. 34

B. 31

C. 32

D. 33

**Q64 General Intelligence & Reasoning**

In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one that follows the same logic.

DIGS - SDGI - DSIG

WAVE - EWVA - WEAV

A. HOST - THOS - OSTD

B. MIST - TMSI - MITS

C. SPIN - NSIP - SNPI



D. RIDE - IRDE - EIDR

Q65 General Intelligence & Reasoning

Refer to the given number, symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) € # 6 2 @ # 1 6 @ 1 € \$ 3 9 \$ 2 4 4 * £ 6 6 (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a number?

A. 2



B. 4

C. 3

D. 1

Q66 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some moons are stars.

Some stars are planets.

Conclusions:

(I): All stars are moons.

(II): Some moons are planets.

A. Only I follows

B. Both follow

C. Only II follows

D. Neither follows

**Q67 General Intelligence & Reasoning**

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(8, 19, 10)

(13, 29, 20)

A. (15, 33, 24)



B. (7, 13, 4)

C. (9, 21, 30)

D. (17, 37, 46)

Q68 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. QUN

B. INE



C. OSL

D. UYR



Q69 General Intelligence & Reasoning

Seven people, A, B, C, D, E, F and G, are sitting in a straight line, facing the north.

A sits second from one of the extreme ends of the line.

Only two people sit between A and C. B sits to the

immediate right of C. Only one person sits between B and

D. F sits third to the left of D. E sits at one of the positions to the right of G.

How many people sit between A and G?

A. Two

B. None



C. One

D. Three

Q70 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

FNK HPM JRO LTQ ?

A. NVR

B. NUR

C. NUS

D. NVS

**Q71 General Intelligence & Reasoning**

Mr. Akai starts from Point A and drives 28 km towards west. He then takes a left turn, drives 21 km, turns right and drives 5 km. He then takes a right turn and drives 30 km. He takes a final right turn, drives 33 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only, unless specified.)

A. 9 km to the north

B. 7 km to the east

C. 7 km to the north

D. 9 km to the south

**Q72 General Intelligence & Reasoning**

In a row of people all facing north, Ruman is 20th from the right end. Daniel is 26th from the right end and Daniel is exactly between Ruman and Om. If Om is 14th from the left end of the row, how many people are there in the row?

A. 43

B. 45



C. 42

D. 44

Q73 General Intelligence & Reasoning

Jyoti starts from point L and drives 8 km towards the north. She then takes a right turn, drives 14 km, turns right and drives 15 km. She then takes a right turn and drives 14 km. She takes a final right turn, drives 3 km and stops at point P. How far (shortest distance) and towards which direction should she drive in order to reach point L again? (All turns are 90-degree turns only unless specified.)

A. 2 km towards the east

B. 4 km towards the north



C. 5 km towards the west

D. 1 km towards the south

Q74 General Intelligence & Reasoning

If '+' means '-', '-' means 'x', 'x' means '÷' and '÷' means '+', then what will come in place of the question mark (?) in the following equation?

$6 - 3 + 32 \times 4 \div 5 = ?$

A. 6

B. 21

C. 15



D. 11

Q75 General Intelligence & Reasoning

In a certain code language, 'LEMA' is coded as '6389' and 'PALM' is coded as '3596'. What is the code for 'P' in that language?

A. 5



B. 3

C. 6

D. 9

Q76 General Intelligence & Reasoning

Which of the given letter-number clusters will replace the question mark (?) in the following series to make it logically complete?

WTQ 69 URO 76 SPM 83 QNK 90 ?

A. OPR 96

B. OLI 97



C. OKH 96

D. OMH 97



Q77 General Intelligence & Reasoning

In a certain code language, 'meal visit cat' is coded as ' vs mo wm' and 'rain meal mango' is coded as 'wm or lo'. How is 'meal' coded in the given language?

- A. or
- B. mo
- C. vs
- D. wm

**Q78 General Intelligence & Reasoning**

Which numbers should come in place of the question mark (?) in the same sequence to make the series logically complete?

3, 6, 12, 24, 48, ?

- A. 96
- B. 98
- C. 92
- D. 88

**Q79 General Intelligence & Reasoning**

This question is based on the five, three-digit numbers given below.

(Left) 741 753 789 761 745 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

What will be the resultant if the second digit of the second highest number is added to the third digit of the lowest number?

- A. 7
- B. 6
- C. 11
- D. 8

**Q80 General Intelligence & Reasoning**

Rekha ranked 18th from the top and 9th from the bottom in her class. How many students are there in the class?

- A. 26
- B. 25
- C. 27
- D. 28

**General Awareness**

20 Questions • Answer Key

Q81 General Awareness

During the 11th National Conference on Women, held in May 2025, which of the following state's police showcased 'Mission Shakti' as a model initiative for women's safety?

- A. Uttar Pradesh
- B. Haryana
- C. Karnataka
- D. West Bengal

**Q83 General Awareness**

In August 2025, which of the following countries temporarily closed the Dardanelles Strait to maritime traffic following major forest fires in the Çanakkale province?

- A. Greece
- B. Italy
- C. Bulgaria
- D. Turkey

**Q82 General Awareness**

In June 2025, which ministry/institution released the Sustainable Development Goals – National Indicator Framework Progress Report, 2025?

- A. NITI Aayog
- B. Ministry of Finance
- C. Ministry of Statistics and Programme Implementation
- D. Ministry of Environment, Forest and Climate Change

**Q84 General Awareness**

Which eminent economist was honoured with the Punjabhushan Puraskar in June 2025 for contributions to economics?

- A. C Rangarajan
- B. Vijay Kelkar
- C. P Chidambaram
- D. Arvind Subramanian



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Q85 General Awareness

As per the April 2025 monthly Periodic Labour Force Survey (PLFS) data, what was India's unemployment rate in April 2025?

A. 4.9%

B. 5.6%

C. 5.1%



D. 6.4%

Q86 General Awareness

Which event was scheduled for 27 June 2025, regarding the DR Congo–Rwanda agreement?

A. Deployment of peacekeepers



B. Formal signing by ministers

C. Initial talks

D. UN Security Council resolution

Q87 General Awareness

As announced on 21 June 2025, Central Health Ministry is looking at integrating India's Rare Donor Registry with the national online platform for blood bank management and blood availability information, called ____.

A. e-Rakt Kawach

B. e-Rakt Kosh



C. e-Rakt Sanchay

D. e-Rakt Sagar

Q88 General Awareness

Who flagged off India's first exported locomotive to Guinea in June 2025?

A. Piyush Goyal

B. Narendra Modi



C. Jagdeep Dhankhar

D. Ashwini Vaishnav

Q89 General Awareness

The Union Government introduced a major overhaul of labour laws, consolidating twenty-nine existing regulations into four new codes effective from which of the following dates?

A. 21 November 2025



B. 1 December 2025

C. 15 February 2026

D. 1 January 2026

Q90 General Awareness

In May 2025, which Union Minister launched the Annual Calendar initiative under the Khelo India programme to boost the country's sports ecosystem?

A. Kiren Rijiju

B. Udhayanidhi Stalin

C. Anurag Thakur

D. Dr. Mansukh Mandaviya

**Q91 General Awareness**

In 2025, which athlete set a new meet record of 48.81 seconds in the women's 400 m at the Paris Diamond League?

A. Allyson Felix

B. Salwa Eid Naser

C. Marileidy Paulino



D. Sydney McLaughlin

Q92 General Awareness

In November 2025, which legislation was highlighted for merging nine Social Security Acts, covering gig and platform workers, and strengthening women-centric provisions?

A. Code on Social Security, 2020



B. Industrial Relations Code, 2020

C. Health and Working Conditions Code, 2020

D. Code on Wages, 2019

Q93 General Awareness

From 13 May 2025, the Reserve Bank of India (RBI) mandated that digital lending apps must be ____.

A. reported to a centralised portal



B. developed in India only

C. operated only by banks

D. free of cost to users

Q94 General Awareness

Who won the 2025 Laureus World Sportsman of the Year award?

A. Usain Bolt

B. Armand "Mondo" Duplantis



C. Max Verstappen

D. Cristiano Ronaldo



Q95 General Awareness

As of June 2025, who is the Chief Minister of Jammu and Kashmir?

- A. Mufti Mohammad Sayeed
- B. Mehbooba Mufti
- C. PU Lalduhoma
- D. Omar Abdullah ✓

Q96 General Awareness

In 2025, which state in India is concerned about the invasive species Ruellia Elegans?

- A. Kerala
- B. Chhattisgarh
- C. Bihar
- D. Assam ✓

Q97 General Awareness

In the weightlifting event at the 38th National Games, what was Mehak Sharma's total lift that earned her the gold medal and set a new national record?

- A. 311 kg
- B. 247 kg ✓
- C. 299 kg
- D. 289 kg

Q98 General Awareness

In how many languages was the new text-to-speech AI model which launched by Sarvam AI in May 2025?

- A. 7
- B. 11 ✓
- C. 9
- D. 12

Q99 General Awareness

In March 2025, the Reserve Bank of India (RBI) granted Regional Rural Banks (RRBs) an additional how many years from financial year 2025 to amortise the additional expenditure arising from the revision in pensions?

- A. Four
- B. Three
- C. Five ✓
- D. Six

Q100 General Awareness

As per the Sustainable Development Goals – National Indicator Framework Progress Report, 2025, published in June 2025, the number of start-ups rose from 453 in 2016 to 34,293 in 2024. This growth in entrepreneurship primarily supports which Sustainable Development Goal (SDG)?

- A. SDG 1
- B. SDG 10
- C. SDG 8 ✓
- D. SDG 4



General Science

25 Questions • Answer Key

Q1 General Science

The image formed by a concave mirror of focal length 20 cm is real, inverted, and enlarged in size as compared to the size of the object. Which of the following is true about the position of the object?

- A. The object is placed between 20 cm and 40 cm from the pole of the mirror. ✓
- B. The object is placed at 10 cm from the pole of the mirror.
- C. The object is placed at 20 cm from the pole of the mirror.
- D. The object is placed at 40 cm from the pole of the mirror.

Q2 General Science

A ship floats on water because:

- A. the surface tension holds it afloat
- B. the density of water is greater than that of the ship material
- C. the atmospheric pressure supports the ship
- D. the weight of water displaced equals the weight of the ship ✓

Q3 General Science

What is the main goal of crop variety improvement?

- A. To grow only ornamental plants
- B. To reduce the number of crops grown
- C. To develop crops with better yield and useful traits ✓
- D. To increase water content in soil

Q4 General Science

Which of the following best explains the liquefaction of gases under high pressure?

- A. Gases expand indefinitely, so pressure has no effect
- B. Higher pressure reduces the space between particles, leading to liquefaction ✓
- C. Increased molecular size leads to condensation
- D. Higher pressure increases temperature, leading to phase change

Q5 General Science

According to Joule's law of heating, if the current flowing through a resistor is doubled while resistance and time remain constant, then the heat produced (H) will increase by a factor of _____.

- A. two
- B. eight
- C. sixteen
- D. four ✓

Q6 General Science

What colour does copper turn when it undergoes corrosion over time?

- A. Red
- B. Grey
- C. Green ✓
- D. White

Q7 General Science

Which of the following is a compound?

- A. Salt (NaCl) ✓
- B. Lemon juice
- C. Soil
- D. Air

Q8 General Science

Which of the following statements is NOT correct about linear velocity?

- A. Linear velocity is constant for uniform motion.
- B. Linear velocity depends on displacement and time.
- C. It is the rate of change of displacement.
- D. The SI unit of linear velocity is m/s^2 . ✓

Q9 General Science

Which compound from the following is an unsaturated hydrocarbon?

- A. Methane
- B. Ethene ✓
- C. Butane
- D. Propane



Q10 General Science

Why do aquatic organisms breathe faster than terrestrial organisms?

- A. Because water exerts less resistance on breathing organs
- B. Because diffusion of oxygen in water is faster than in air
- C. Because they absorb oxygen directly from sunlight through gills
- D. Because the amount of dissolved oxygen in water is very low ✓

Q11 General Science

The _____ helps in the movement of mucus along the lining of the respiratory tract.

- A. simple squamous epithelium
- B. ciliated columnar epithelium ✓
- C. stratified squamous epithelium
- D. cuboidal epithelium

Q12 General Science

A patient is unable to move his left hand, but brain scans show no damage. Which part of the nervous system is most likely to be affected?

- A. Autonomic nervous system
- B. Peripheral nervous system ✓
- C. Central nervous system
- D. Parasympathetic nervous system

Q13 General Science

Which of the following is an example of uniform circular motion?

- A. A train moving on a straight track
- B. A car moving on a straight road
- C. A stone dropped from a height
- D. The Moon revolving around the Earth ✓

Q14 General Science

What is the role of sulphuric acid in the anodising process of aluminium?

- A. It dissolves aluminium completely.
- B. It acts as an electrolyte to help form a thicker oxide layer. ✓
- C. It prevents oxidation of aluminium.
- D. It reacts with aluminium to form aluminium chloride.

Q15 General Science

Which of the following techniques is used for vegetative propagation in plants?

- A. Cutting ✓
- B. Fertilisation
- C. Pollination
- D. Seed dispersal

Q16 General Science

Cyclohexane is best classified as which type of organic compound?

- A. A saturated alicyclic compound composed of six carbon atoms in a ring ✓
- B. A branched hydrocarbon with one or more unsaturated carbon bonds
- C. An aromatic compound containing a delocalised π -electron ring system
- D. An organic aldehyde consisting of a linear chain of six carbon atoms

Q17 General Science

A force of 7 N acts on an object and displaces it through 8 m in the direction of the force. What is the work done in this case?

- A. 56 J ✓
- B. 15 Nm
- C. 56 N
- D. 7 J

Q18 General Science

What is the formula unit mass of ZnO (zinc oxide)?

- A. 97 u
- B. 65 u
- C. 81 u ✓
- D. 16 u

Q19 General Science

If two resistors are connected in series, then which of the following statements is correct regarding the equivalent resistance of the circuit?

- A. It will increase at first and then will decrease.
- B. It will increase. ✓
- C. It will decrease.
- D. It will remain same.



Q20 General Science

In which of the following reactions do two compounds combine to form a new compound?

**Q21 General Science**

What is the correct path of the egg in the female reproductive system?

A. Uterus → Ovary → Fallopian tube

B. Fallopian tube → Ovary → Uterus

C. Ovary → Fallopian tube → Uterus ✓

D. Ovary → Vagina → Uterus

Q22 General Science

Sounds of single frequency and mixture of several frequencies are known as _____, respectively.

A. noise and tone

B. note and tone

C. tone and note ✓

D. tone and noise

Q25 General Science

If an object is placed at the centre of curvature (C) of a concave mirror, then what is the value of the magnification (m)?

A. $m = -1$ ✓

B. $m < -1$

C. $m = +1$

D. $m = 0$

Q23 General Science

Which of the following describes reproduction involving only one parent and no gametes?

A. Internal fertilisation in mammals

B. Fertilisation in frogs

C. Seed formation in flowering plants

D. Binary fission in Amoeba ✓

Q24 General Science

Which of the following structures are made up of nervous tissue?

A. Kidneys and liver

B. Lungs and heart

C. Bones and muscles

D. Brain, spinal cord and nerves ✓

Mathematics

25 Questions • Answer Key

Q26 Mathematics

An item is sold for ₹6,500 after two successive discounts of 35% and 20%. What is the marked price (in ₹) of the item?

A. 12,560

B. 12,500 ✓

C. 12,435

D. 12,674

Q27 Mathematics

The expenditure of Sudha is 200% more than her savings. If her expenditure decreases by 10% and savings increase by 34%, then by what percentage does her income increase?

A. 3%

B. 1% ✓

C. 4%

D. 6%



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Q28 Mathematics

Find the smallest number which when increased by 10 is completely divisible by 12, 15, 18 and 20.

- A. 200
- B. 180
- C. 190
- D. 170

**Q29 Mathematics**

Ramesh bought an article for ₹5,000 and sold it to Suresh at a profit of 20%. Suresh then sold it further at a loss of 10%. For how much did Suresh sell the article?

- A. ₹5,800
- B. ₹5,600
- C. ₹5,200
- D. ₹5,400

**Q30 Mathematics**

The mode of the observations 21, 29, 35, 24, 25, 33, 24, 23, 26, 28, 35, 27, 20, 35 and 20 is:

- A. 24
- B. 21
- C. 35
- D. 29

**Q31 Mathematics**

The amount on a sum of ₹4,800 at 15% per annum compound interest, compounded annually, in 2 years will be:

- A. ₹6,348
- B. ₹6,836
- C. ₹7,194
- D. ₹6,717

**Q32 Mathematics**

The price of a branded pen is ₹180 and that of a pencil is ₹3.50. If the total price of x branded pens and y pencils is ₹935 and $x + y = 15$, then what is the value of $(x^2 + y^2)$?

- A. 125
- B. 181
- C. 164
- D. 205

**Q33 Mathematics**

In quadrilateral PQRS, the bisectors of $\angle R$ and $\angle S$ meet at the point T (inside the quadrilateral) and $\angle STR = 36^\circ$. If the ratio of $\angle P$ to $\angle Q$ is 3 : 5, then what is the difference between the measures of $\angle Q$ and $\angle P$?

- A. 18°
- B. 21°
- C. 25°
- D. 22°

**Q34 Mathematics**

The monthly incomes of two friends Mukund and Sachin are in the ratio 5 : 9 respectively and each of them saves ₹45,000 every month. If the ratio of their monthly expenditure is 1 : 3, then find the monthly income of Mukund (in ₹).

- A. 74,000
- B. 75,000
- C. 1,05,000
- D. 76,000

**Q35 Mathematics**

Simplify: $[(9x + 4y)^2 - (9x - 4y)^2] \div 24x$

- A. $12xy$
- B. $6y$
- C. $16x$
- D. $8x$

**Q36 Mathematics**

Find the single discount (approximately) equal to three consecutive discounts of 6%, 5% and 11%.

- A. 20.52%
- B. 21.86%
- C. 21.73%
- D. 23.23%

**Q37 Mathematics**

₹5,575 is divided among X, Y and Z in such a way that if ₹85, ₹65 and ₹61 is deducted from their respective shares, they have money in the ratio 5:11:20. Find the difference between the original shares of Y and Z.

- A. ₹1,191
- B. ₹1,241
- C. ₹1,337
- D. ₹1,491



Q38 Mathematics

A train passes a station platform in 60 seconds and a man standing on the platform in 40 seconds. If the speed of the train is 63 km/hr, calculate the length of the platform.

A. 350 metres



B. 400 metres

C. 550 metres

D. 300 metres

Q39 Mathematics

The distance between points A and B is 933 km. Namit travels from A to B at a speed of 70 km/hr and returns at a speed of 111 km/hr. Calculate Namit's average speed for the entire journey (rounded off to two decimal places).

A. 85.86 km/hr



B. 94.58 km/hr

C. 88.58 km/hr

D. 81.26 km/hr

Q40 Mathematics

Find the ratio between the fourth proportional of 4, 8 and 19 to the mean proportional of 9 and 4.

A. 22 : 7

B. 19 : 3



C. 19 : 4

D. 16 : 9

Q41 Mathematics

A camp has provisions for 20 pupils for 12 days. In how many days will the same provisions be used up, if the strength of the camp is increased to 80 pupils?

A. 2

B. 4

C. 6

D. 3

**Q42 Mathematics**

The product of the present ages of Ram and Lalith is 216 years, and their age ratio is 6 : 1. Find the difference in their ages.

A. 24 years

B. 18 years

C. 36 years

D. 30 years

**Q43 Mathematics**

Pipes A and B can fill an empty cistern in 65 minutes and 26 minutes, respectively. Both Pipe A and Pipe B are opened together. After how much time should Pipe B be turned off so that the empty cistern is completely filled in a total of 30 minutes?

A. 15 minutes

B. 20 minutes

C. 14 minutes



D. 10 minutes

Q44 Mathematics

The average of 7 numbers is 23. If each number is decreased by 7, what will the new average be?

A. 9

B. 7

C. 23

D. 16

**Q45 Mathematics**

A, B and C can do a piece of work in 2, 4 and 4 days, respectively. How long (in days) will they take to do thrice the same work, working together?

A. 9

B. 4

C. 6

D. 3



Q46 Mathematics

Simplify: $\frac{\sin 60^\circ \cos 30^\circ}{\tan 45^\circ}$

A. $\frac{1}{2}$

B. $\frac{3}{4}$ ✓

C. $\frac{\sqrt{3}}{2}$

D. 1

Q47 Mathematics

In a right circular cylinder, diameter of the base is 21 cm. If eight times the sum of the areas of its two circular faces is five times the area of its curved surface, find the volume of the cylinder (in cm^3).

(Take $\pi = \frac{22}{7}$)

A. 5842.2

B. 5812.2

C. 5832.2

D. 5821.2 ✓

Q48 Mathematics

$\frac{1}{20}$ is what percentage of $\frac{11}{60}$? (Round off to two decimal places)

A. 42.27%

B. 54.54%

C. 37.27%

D. 27.27% ✓

Q49 Mathematics

The diagonal of a rectangle is $\sqrt{89}$ cm and its area is 40 cm^2 . Find the perimeter of the rectangle.

A. 80 cm

B. 169 cm

C. 13 cm

D. 26 cm ✓



The simplified value of $\sqrt{256} - \sqrt{169} + (\sqrt{144} - \sqrt{25})^2$ is:

- A. 41
- B. 37
- C. 52
- D. 47



General Intelligence & Reasoning

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

Mr. Akte ranked 54th from the top and 19th from the bottom in his class. How many students are there in his class?

- A. 70
- B. 72
- C. 73
- D. 68



Q52 General Intelligence & Reasoning

Refer to the following series and answer the question (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 8 4 1 7 2 6 5 1 6 7 8 8 5 9 4 6 1 6 8 8 8 3 5 2 6 7 8
(Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

- A. 5
- B. 4
- C. 3
- D. 6



Q53 General Intelligence & Reasoning

Refer to the given series and answer the question that follows. (All numbers are single digit numbers only.) Counting to be done from left to right.

(Left) 6 5 8 8 5 4 7 7 4 2 7 9 2 2 5 7 4 8 8 2 1 8 9 (Right)

How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an odd digit?

- A. Two
- B. Three
- C. One
- D. None



Q54 General Intelligence & Reasoning

RL 12 is related to VQ 16 in a certain way. In the same way, NH 15 is related to RM 19. To which of the given options is IC 24 related, following the same logic?

- A. MH 28
- B. LG 29
- C. KJ 28
- D. KH 29



Q55 General Intelligence & Reasoning

In a certain code language, 'bowl tin leaf' is coded as 'ef cz bi' and 'leaf mode theme' is coded as 'cz nx an'. How is 'leaf' coded in that language?

- A. cz
- B. nx
- C. ef
- D. bi



Q56 General Intelligence & Reasoning

What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$33 - 15 \div 6 + 120 \times 8 = ?$$

- A. 108
- B. 112
- C. 120
- D. 115



Q57 General Intelligence & Reasoning

Oren starts from Point A and drives 13 km towards the East. He then takes a left turn, drives 6 km, turns left and drives 17 km. He then takes a left turn and drives 13 km. He takes a final left turn, drives 4 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again?
(All turns are 90-degree turns only unless specified.)

A. 7 km to the North



B. 8 km to the South

C. 8 km to the North

D. 7 km to the South

Q58 General Intelligence & Reasoning

What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$71 \div 9 + 192 \times 16 - 41 = ?$$

A. 619

B. 668



C. 523

D. 591

Q59 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(14, 14.4, 13.7)
(32, 32.4, 31.7)

A. (63, 63.4, 61.7)

B. (46, 46.4, 44.7)

C. (25, 25.4, 24.7)



D. (78, 78.4, 75.7)

Q60 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

35 40 30 45 25 ?

A. 50



B. 55

C. 45

D. 60

Q61 General Intelligence & Reasoning

Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) ? % 4 5 % & ^ ? \ \ 4 \$ % & 5 4 / 4 % ^ 7 (Right)

How many such numbers are there, each of which is immediately preceded by a symbol and also immediately followed by a symbol?

A. Three

B. One

C. Two



D. None

Q62 General Intelligence & Reasoning

Which of the given letter-number clusters will replace the question mark (?) in the following series to make it logically complete?

YCG 18 HLP 23 QUY 28 ZDH 33 ?

A. IRB 37

B. INP 38

C. IMQ 38



D. ILP 37

Q63 General Intelligence & Reasoning

After walking 20 metres north from point A, Jane turns right and walks another 15 metres. Then she turns right again and walks 50 metres to stop at point B. In which direction is point A with respect to point B?

A. West

B. South-west

C. North-west



D. East



Q64 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. RQN

B. NMJ

C. XXT



D. CBY

Q65 General Intelligence & Reasoning

A, B, C, D and E are sitting around a circular table, facing the centre. B is sitting third to the right of C. A is sitting third to the left of C. D and A are immediate neighbours. Who is to the immediate left of C?

A. D

B. A

C. B

D. E

**Q66 General Intelligence & Reasoning**

Seven boxes, L, M, N, O, Q, R and S, are kept one over the other, but not necessarily in the same order. Only L is kept above Q. Only three boxes are kept between L and R. Only O is kept below N. S is kept immediately above M. Which box is kept second above M?

A. N

B. O

C. Q



D. L

Q67 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. LGJ

B. MHK

C. PKN

D. RMQ

**Q68 General Intelligence & Reasoning**

Refer to the given series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 7 1 3 4 7 5 1 3 6 6 7 9 5 9 6 7 8 1 3 7 3 (Right)

How many such odd digits are there, each of which is immediately preceded by a perfect square and also immediately followed by an odd digit?

(NOTE: 1 is also a perfect square)

A. 3



B. 1

C. 2

D. 4

Q69 General Intelligence & Reasoning

If '+' means 'subtraction', '-' means 'multiplication', 'x' means 'division', and '÷' means 'addition', then what will come in place of the question mark (?) in the following equation?

$$25 - 6 \div 4 + 16 \times 4 \div 16 + 22 = ?$$

A. 146

B. 144



C. 145

D. 142

Q70 General Intelligence & Reasoning

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

KIH-DBA

OML-HFE

A. TRQ-MKJ



B. TQO-MKJ

C. TRQ-LKI

D. TQO-LJI

Q71 General Intelligence & Reasoning

In a certain code language, 'BACK' is coded as '8561' and 'TACK' is coded as '6458'. What is the code for 'T' in that language?

A. 1

B. 5

C. 6

D. 4



Q72 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All pilots are captains.
All captains are drivers.
Some drivers are teachers.

Conclusions

(I) All pilots are drivers.
(II) Some teachers are pilots.

- A. Only conclusion (II) follows.
B. Neither conclusion (I) nor (II) follows.
C. Both conclusions (I) and (II) follow.
D. Only conclusion (I) follows. ✓

Q73 General Intelligence & Reasoning

In a certain code language,

A ± B means 'A is the wife of B',
A * B means 'A is the daughter of B',
A ₹ B means 'A is the father of B' and
A # B means 'A is the brother of B'.

How is D related to O if 'D ± R # A * C ₹ O'?

- A. Father's mother
B. Mother
C. Wife
D. Brother's wife ✓

Q74 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

100, 97, 91, 82, 70, ?

- A. 55 ✓
B. 53
C. 54
D. 52

Q75 General Intelligence & Reasoning

Seven friends, B, C, D, T, U, V and W, are sitting in a straight line facing north. Only two people sit between V and D. Only U sits to the right of T. Only one person sits between D and T. C sits at some place to the right of B but at some place to the left of W. How many people sit between W and B?

- A. Four
B. One
C. Two ✓
D. Three

Q76 General Intelligence & Reasoning

XBYA is related to CGDF in a certain way based on the English alphabetical order. In the same way, ZDAC is related to EIFH. To which of the given options is BFCE related, following the same logic?

- A. GKGJ
B. GKHJ ✓
C. GLGK
D. GJGJ

Q77 General Intelligence & Reasoning

Six people, A, B, C, D, E and F, are sitting in a row, facing north. D sits to the immediate left of F. C sits third to the left of B. F is an immediate neighbour of C. E sits second to the right of C. A sits to the immediate left of E. Who sits at the extreme right end of the line?

- A. E
B. A
C. B ✓
D. F

Q78 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

48 56 71 93 122 ?

- A. 158 ✓
B. 159
C. 156
D. 157



Q79 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

DER UVI LMZ CDQ ?

A. THU

B. HIT

C. TUH



D. THI

Q80 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All balls are hens.

All rabbits are hens.

Conclusions:

(I) Some balls are rabbits.

(II) Some hens are rabbits.

A. Both conclusions (I) and (II) follow

B. Neither conclusion (I) nor (II) follows

C. Only conclusion (II) follows



D. Only conclusion (I) follows

General Awareness

20 Questions • Answer Key

Q81 General Awareness

In May 2025, which advanced research facility was inaugurated by the Defence Research and Development Organisation (DRDO) with the aim to further strengthen indigenous quantum capabilities for strategic and defence applications?

A. Quantum Defence Lab, Hyderabad

B. Bharat Quantum Institute, Pune

C. Quantum Technology Research Centre, Delhi



D. National Quantum Hub, Bengaluru

Q82 General Awareness

Which of the following political parties announced a nationwide protest on November 18, 2025, against rising atrocities on marginalized groups in India?

A. Bharatiya Janata Party

B. Communist Party of India



C. Aam Aadmi Party

D. Indian National Congress

Q83 General Awareness

The National Red List Roadmap launched in 2025 aims primarily to _____.

A. Assess and monitor the conservation status of India's flora and fauna



B. Increase and expand the country's overall forest cover by 10% by 2030

C. Promote eco-tourism across national parks

D. Reduce carbon emissions from industries

Q84 General Awareness

What is the name of the initiative launched by the Punjab government to ensure women's safety and dignity in 2025?

A. Project Suraksha

B. Mission Shakti

C. Project Hifazat



D. Mission Vatsalya

Q85 General Awareness

Who among the following is the Chairman of the committee constituted to examine the provision of "One Nation One Election" in India?

A. Keshav Chand

B. Jagdeesh Dhankhad

C. Pratibha Patil

D. Ram Nath Kovind

**Q86 General Awareness**

Who was awarded the prestigious Dadasaheb Phalke Award, the highest honour in Indian cinema, at the 70th National Film Awards ceremony on 8 October 2024?

A. Rekha

B. Amitabh Bachchan

C. Mithun Chakraborty



D. Vinod Mehra



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Q87 General Awareness

Which Ukrainian city suffered a deadly Russian missile strike in mid-June 2025?

- A. Lviv
- B. Kharkiv
- C. Kyiv
- D. Dnipro

**Q88 General Awareness**

Which state hosted the Khelo India Youth Games, 2025?

- A. Maharashtra
- B. Bihar
- C. Tamil Nadu
- D. Uttar Pradesh

**Q89 General Awareness**

Where was the 2025 Hyundai Archery World Cup Grand Final held in October 2025?

- A. USA
- B. Italy
- C. China
- D. Japan

**Q90 General Awareness**

From March 9 to 12, 2025, the second part of India's fifth Khelo India Winter Games was conducted in which of the following places?

- A. Gulmarg
- B. Auli
- C. Shimla
- D. Leh

**Q91 General Awareness**

Which of the following bilateral agreements was signed between India and Singapore and marked the upgrade of their relationship by exchanging several MoUs in areas such as semiconductors, digital technologies and skills development?

- A. India-Singapore Strategic Economic Cooperation Agreement
- B. India-Singapore Indo-Pacific Security Treaty
- C. India-Singapore Comprehensive Strategic Partnership
- D. India-Singapore Comprehensive Economic Partnership Agreement

**Q92 General Awareness**

Who is the author of the Lithuanian novel, 'The Last Day', which was translated into Hindi by the Sahitya Akademi in October 2025 as part of celebrating literary exchange and cultural collaboration?

- A. Vincas Mykolaitis-Putinas
- B. Jurga Ivanauskaitė
- C. Jaroslavas Melnikas
- D. Balys Sruoga

**Q93 General Awareness**

What type of bridge is the new Pamban Rail Bridge, inaugurated in April 2025?

- A. Cable-stayed bridge
- B. Vertical lift bridge
- C. Arch bridge
- D. Suspension bridge

**Q94 General Awareness**

What happens if the accused minister (Prime Minister / Chief Minister) is granted bail within 30 days according to the Constitution (130th Amendment) Bill, 2025?

- A. They are removed from office permanently.
- B. No action is taken; they can continue in office.
- C. They are suspended from their post for 30 more days.
- D. They are automatically disqualified for 5 years.

**Q95 General Awareness**

Which country became the first team to qualify for the 2026 FIFA World Cup (excluding host nations)?

- A. Iran
- B. South Korea
- C. Australia
- D. Japan

**Q96 General Awareness**

The Railways ordered which safety feature to be installed at stations in Pune in June 2025?

- A. Body scanning machines
- B. Surveillance camera systems
- C. Reserved coaches for women
- D. Panic alert buttons



Q97 General Awareness

What is the name of DRDO's homegrown multi-layered defense system, showcased for the first time at the 2025 Republic Day parade and Aero India 2025?

A. Vayu-Prahar Kavach

B. Rakshak-Suraksha Kavach ☒

C. Surya-Vajra

D. Agni-Shakti

Q98 General Awareness

Which of the following was released by the Reserve Bank of India in January 2025 to streamline credit information frameworks?

A. External Borrowing Guidelines, 2025

B. Credit Information Reporting Directions, 2025 ☒

C. Priority Sector Lending Master Directions, 2025

D. Private Sector Credit Guidelines, 2025

Q99 General Awareness

What is India's rank in the WEF Energy Transition Index, 2025?

A. 63rd

B. 75th

C. 71st ☒

D. 68th

Q100 General Awareness

According to Union Budget 2025–26, approximately _____ was allocated for the Ministry of Environment, Forest and Climate Change in India.

A. ₹1,720 crore

B. ₹2,958 crore

C. ₹3,413 crore ☒

D. ₹2,672 crore



General Science

25 Questions • Answer Key

Q1 General Science

Which of the following is true for saturated hydrocarbons?

- A. They have only a single bond between carbon-carbon atoms. ✓
- B. They have at least one double bond between carbon-carbon atoms.
- C. They can have either double and triple bond between carbon-carbon atoms.
- D. They have at least one triple bond between carbon-carbon atoms.

Q2 General Science

Which of the following statements about phloem is correct?

- A. Phloem is made entirely of dead cells.
- B. Phloem transports water upward only.
- C. Phloem transports minerals from roots to leaves.
- D. Phloem transports food from leaves to other parts. ✓

Q3 General Science

Which of the following is NOT an outcome of fertilisation?

- A. Embryo formation
- B. Placenta formation
- C. Egg formation ✓
- D. Zygote formation

Q4 General Science

Which statement about parallel connection of resistors is true?

- A. The total current is the sum of the currents through individual resistors. ✓
- B. Each resistor carries the same current regardless of its resistance.
- C. The total current is the same as current through any branch.
- D. The total resistance increases when more resistors are added.

Q5 General Science

What happens to particles on heating a solid?

- A. They stop interacting completely.
- B. They freeze and become static.
- C. They break into other elements.
- D. They vibrate with more energy. ✓

Q6 General Science

Some organisms show binary fission by division in any plane but some shows division in a definite orientation. Which of the following shows definite orientation of binary fission?

- A. Leishmania ✓
- B. Paramecium
- C. Amoeba
- D. Plasmodium

Q7 General Science

According to Bohr, electrons revolve:

- A. in elliptical orbits randomly
- B. in fixed circular orbits called shells ✓
- C. only when energy is absorbed
- D. inside the nucleus of an atom

Q8 General Science

An object is placed anywhere along the principal axis of a concave lens. The image is always formed _____.

- A. at the focus (F)
- B. beyond twice the focal length (2F)
- C. between the focus (F) and the optical centre (O) ✓
- D. at twice the focal length (2F)

Q9 General Science

Which of the following is NOT an olfactory indicator?

- A. Onion
- B. Turmeric ✓
- C. Vanilla extract
- D. Clove oil



Q10 General Science

2-methylpropane has the same molecular formula as that of which of the following?

- A. Pentane
- B. Butane ✓
- C. Butene
- D. Pentene

Q11 General Science

A wooden block weighs 49 N (thrust). If this block is placed on a table with a contact area of 0.02 m^2 , what is the resulting pressure exerted on the table?

- A. 2450 Nm^{-2} ✓
- B. 980 Nm^{-2}
- C. 612.5 Nm^{-2}
- D. 49 Pa

Q12 General Science

Which of the following generally forms the longest part of a neuron?

- A. Axon ✓
- B. Nerve ending
- C. Synapse
- D. Cell body

Q13 General Science

The 'p' in pH stands for _____ and it is used for measuring _____ concentration.

- A. Potential; hydroxide ion
- B. Potenz; hydroxide ion
- C. Potenz; hydrogen ion ✓
- D. Potential; hydrogen ion

Q14 General Science

Which of the following pairs of frequency and time period is correctly related?

- A. 5 Hz and 5 s
- B. 1 Hz and 2 s
- C. 10 Hz and 0.1 s ✓
- D. 2 Hz and 0.2 s

Q15 General Science

What can be the consequences of improper storage of grains?

- A. Stronger grains
- B. More fragrance
- C. Pest attack and spoilage ✓
- D. Better nutrition

Q16 General Science

Which type of muscle is voluntary and shows light and dark bands?

- A. Striated muscle ✓
- B. Unstriated muscle
- C. Cardiac muscle
- D. Smooth muscle

Q17 General Science

A convex lens forms a real image of an object placed at a distance of 30 cm from it. If the image is formed at 60 cm on the other side of the lens, the focal length of the lens is:

- A. 30 cm
- B. 10 cm
- C. 15 cm
- D. 20 cm ✓

Q18 General Science

Which of the following is NOT a type of connective tissue?

- A. Bone
- B. Epithelium ✓
- C. Cartilage
- D. Blood

Q19 General Science

A potential difference of V volt is applied across a resistor of $R \Omega$, then a current of I ampere flows through it. Keeping the resistance the same, how should the value of potential difference be changed so that the current flowing through the resistance gets doubled? (Keep all the other parameters the same.)

- A. $V/4$ volts
- B. V volts
- C. 2V volts ✓
- D. $V/2$ volts



Q20 General Science

If the applied force is quadrupled, how must the acceleration of the object change, assuming its mass remains constant?

- A. The acceleration increases by a factor of 2.
- B. The acceleration remains the same, but the duration of the change decreases.
- C. The acceleration increases by a factor of 4.**
- D. The acceleration decreases by a factor of 4.

Q21 General Science

A body undergoes a displacement of 10 m under the action of a constant force of 2.5 N, in the opposite direction to the direction of force. What will be the work done under the action of this force?

- A. +2.5 J
- B. -2.5 J
- C. +25 J
- D. -25 J**

Q22 General Science

Match the following columns on Apparatus and Purpose.

Column A	Column B
A. Litmus paper	1. To detect acidic or basic nature
B. Watch-glass	2. To place drops of test solutions
C. Test tube	3. To hold and mix solutions safely
D. Indicator solution	4. Shows colour change to identify acid or base

- A. A-3; B-4; C-1; D-2
- B. A-2; B-3; C-4; D-1
- C. A-4; B-1; C-2; D-3
- D. A-1; B-2; C-3; D-4**

Q23 General Science

What is the immediate result of the fusion between the male and female germ cells in plants?

- A. Pollen tube
- B. Zygote**
- C. Ovule
- D. Seed coat

Q24 General Science

Select the correct statement about the properties of colloid.

- A. The components of a colloid solution are not dispersed phase.
- B. Dispersing medium is the component in which its phase is suspended.**
- C. A colloid is a homogeneous mixture.
- D. They can be separated from the mixture by the process of filtration.

Q25 General Science

If a car moves 100 m in 5 seconds, its linear velocity is:

- A. 15 m/s
- B. 25 m/s
- C. 10 m/s
- D. 20 m/s**

Mathematics

25 Questions • Answer Key

Q26 Mathematics

If the mean proportional of P and 150 is 120, then find the value of P.

- A. 99
- B. 97
- C. 96**
- D. 98

Q27 Mathematics

Find the largest number which divides 62, 134 and 242 to leave the same remainder in each case.

- A. 38
- B. 34
- C. 36**
- D. 32



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Q28 Mathematics

A total profit of ₹14,200 is to be distributed amongst A, B and C such that $A : B = 13 : 9$ and $B : C = 18 : 11$. The share (in ₹) of C in the profit is:

A. 2,740

B. 2,690

C. 2,940

D. 2,840

**Q29 Mathematics**

In a test, B got 50 marks while A got 75 marks, out of 100 maximum marks. What percentage of A's marks was B's marks? (Round off the answer to two decimal places.)

A. 82.35%

B. 150.19%

C. 75.55%

D. 66.67%

**Q30 Mathematics**

What is the difference between the average of prime numbers between 20 and 40 and the average of multiples of 2 between 10 and 30?

A. 20

B. 1

C. 10



D. 18

Q31 Mathematics

In a farm, there are chickens and rabbits, altogether, there are 20 animals. The total number of legs is 56. How many chickens are there in the farm?

A. 6

B. 12



C. 8

D. 14

Q32 Mathematics

If 4 lines of a print, in a column of a book, contain 63 words, how many words will a column of 52 lines contain?

A. 819



B. 815

C. 829

D. 823

Q33 Mathematics

P and Q together can fill a cistern with water in 12 hours. If P alone can fill the cistern with water in 48 hours, then in how many hours will Q alone fill one-fourth of the same cistern with water?

A. 9

B. 4



C. 5

D. 8

Q34 Mathematics

The monthly incomes of two friends Rupesh and Manjit, are in the ratio $5 : 9$, respectively, and each of them saves ₹36,000 every month. If the ratio of their monthly expenditure is $2 : 4$, find the monthly income of Rupesh (in ₹).

A. 1,79,000

B. 1,81,000

C. 2,52,000

D. 1,80,000

**Q35 Mathematics**

Raman's income is ₹43,000. He saves 26% of his income. If his income increases by 20% and expenditure increases by 40%, then his savings will:

A. decrease by ₹4,133

B. increase by ₹4,131

C. increase by ₹4,133

D. decrease by ₹4,128

**Q36 Mathematics**

The amount on a sum of ₹2,000 at 15% per annum compound interest, compounded annually, in 2 years will be:

A. ₹2,667

B. ₹2,645



C. ₹2,575

D. ₹2,650

Q37 Mathematics

A trader marks an item 40% above its cost price and gives a discount of 10%. Find his profit percentage.

A. 26%



B. 24%

C. 30%

D. 20%



Q38 Mathematics

If the radius of a cylinder is halved and its height is doubled, then its volume will be _____.

- A. Doubled
- B. Same
- C. Increased by four times
- D. Halved

Q39 Mathematics

The mode of the observations 7, 5, 6, 3, 3, 7, 1, 7, 8, 7, 1, 4, 8, 8 and 4 is:

- A. 3
- B. 7
- C. 5
- D. 6

Q40 Mathematics

The ratio of two friends' ages is 4 : 5. Together, their ages add up to 36 years. What is the age of the older friend?

- A. 22 years
- B. 16 years
- C. 18 years
- D. 20 years

Q41 Mathematics

After allowing a discount of 9% on the marked price of an article, it is sold for ₹53,053. Find its marked price (in ₹).

- A. 58,300
- B. 58,204
- C. 58,146
- D. 58,132

Q45 Mathematics

PQRS is a trapezium with PQ parallel to SR and $\angle QRS = 60^\circ$. With R as centre and RQ as radius, an arc QAB is drawn which intersects SR in B. A is an arbitrary point on the arc QAB. If PQ = QR = 14 cm and SB = 8 cm, then find the area (in cm^2 , rounded off to the nearest integer) of the region PQABSP.

(Take $\pi = \frac{22}{7}$, and $\sqrt{3} = 1.732$)

- A. 110
- B. 102
- C. 116
- D. 96

Q42 Mathematics

A car travels 128 km in the first hour and 146 km in the second hour. What is the average speed (in km/hr) of the car for the whole journey?

- A. 137
- B. 145
- C. 131
- D. 133

Q43 Mathematics

What price should Anjali mark on a shirt which cost her ₹7,000, so as to gain 17% after allowing successive discounts of 35% and 30%?

- A. ₹18,066
- B. ₹18,070
- C. ₹18,138
- D. ₹18,000

Q44 Mathematics

A can complete one-sixth of a work in 13 days, B can complete 34% of the same work in 17 days, C can complete one-third of the work in 19 days and D can complete three-fourth of the work in 15 days. Who will be able to complete the work first?

- A. A
- B. B
- C. C
- D. D



Q46 Mathematics

If $\sqrt{72} + \sqrt{12} = a\sqrt{2} + b\sqrt{3}$, then what is the value of $a - b$?

A. 6

B. 8

C. 4



D. 5

Q47 Mathematics

If $x + y = 12$ and $xy = 32$, find the value of $x^2 + y^2$.

A. 76

B. 84

C. 88

D. 80

**Q48** Mathematics

If $\sec \theta + \tan \theta = 4 + \sqrt{15}$, then find the value of $\sec \theta - \tan \theta$.

A. $4 - \sqrt{15}$



B. 10

C. 15

D. $4\sqrt{15}$

Q49 Mathematics

Walking at $\frac{3}{4}$ th of his normal speed from his home, Abhishek is 5 minutes late in reaching his office.

The usual time taken by him to cover the distance between his home and his office is:

A. 11 minutes

B. 15 minutes



C. 7 minutes

D. 12 minutes



Q50 Mathematics

A regular polygon has $2n$ sides. What is the angle made between two adjacent sides (in degrees)?

A. $\left(1 - \frac{1}{n}\right) \times 180^\circ$



B. $\left(1 - \frac{1}{n}\right) \times 90^\circ$

C. $\left(1 + \frac{1}{n}\right) \times 90^\circ$

D. $\left(1 + \frac{1}{n}\right) \times 180^\circ$

General Intelligence & Reasoning

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

In a certain code language,

A + B means 'A is the mother of B',

A - B means 'A is the brother of B',

A x B means 'A is the wife of B',

A % B means 'A is the father of B' and

A # B means 'A is the daughter of B'.

How is E related to T if 'T - L # Q # P x E'?

A. Mother's father



B. Wife's brother

C. Daughter's son

D. Daughter's husband

Q52 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

11 16 22 29 37 ?

A. 45

B. 44

C. 43

D. 46

**Q53 General Intelligence & Reasoning**

In a row of 55 people facing north, Nalini sits 20th from the right end. If Ranjit sits 18th from the left end of the line, how many people sit between Nalini and Ranjit?

A. 16

B. 15

C. 14

D. 17

**Q54 General Intelligence & Reasoning**

A, B, C, D, E and F are sitting around a circular table, facing the centre.

B sits second to the left of F. C is an immediate neighbour of A. B sits to the immediate right of A. D sits second to the left of E.

What is the position of E with respect to A?

A. Second to the left



B. Third to the left

C. Second to the right

D. Immediate right

Q55 General Intelligence & Reasoning

If 'A' stands for 'x', 'B' stands for '÷', 'C' stands for '-' and 'D' stands for '+', then what will come in place of question mark (?) in the following equation?

27 B 3 D 5 A 10 C 12 D 15 C 27 = ?

A. 32

B. 36

C. 35



D. 34

Q56 General Intelligence & Reasoning

In a row of 58 people facing the north, Jolly sits 19th from the left end. If Bela sits 17th to the right of Jolly, then what is Bela's position from the right end of the line?

A. 24th

B. 22nd

C. 23rd



D. 20th



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Q57 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. BHIM



B. UACG

C. AGIM

D. GMOS

Q58 General Intelligence & Reasoning

In a certain code language GYSU is coded as 74 and MAKZ is coded as 53. What is the code for IHOW in that language?

A. 51

B. 60

C. 57



D. 59

Q59 General Intelligence & Reasoning

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

JLO-QSV
TVY-ACF

A. NPS-TWY

B. NOQ-UWZ

C. NPS-UWZ



D. NOQ-TVY

Q60 General Intelligence & Reasoning

Refer to the given number series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 7 3 6 2 9 5 1 3 5 2 1 7 8 4 6 5 7 9 4 3 1 4 6 7 2 9
(Right)

How many such even digits are there, each of which is immediately preceded by an even digit and immediately followed by an even digit?

A. One



B. Four

C. Three

D. Two

Q61 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(14, 3, 42)
(12, 2, 24)

A. (13, 3, 39)



B. (5, 8, 36)

C. (15, 45, 3)

D. (18, 2, 9)

Q62 General Intelligence & Reasoning

Refer to the given series and answer the question that follows. (All numbers are single digit numbers only.) Counting to be done from left to right.

(Left) 5 7 4 5 2 5 7 9 8 7 4 2 3 4 3 6 9 3 6 2 3 7 1 8 4 1 5
(Right)

How many such even digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

A. 4

B. 2

C. 3



D. 5

Q63 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All helmets are nuts.
All helmets are bins.

Conclusions:

(I) Some nuts are bins.
(II) All bins are helmets.

A. Only conclusion (II) follows.

B. Neither conclusion (I) nor (II) follows.

C. Only conclusion (I) follows.



D. Both conclusions (I) and (II) follow.



Q64 General Intelligence & Reasoning

Mohak starts from Point A and drives 12 km towards the south. He then takes a left turn, drives 11 km, turns left and drives 15 km. He then takes a left turn and drives 14 km. He takes a final left turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

- A. 3 km to the west
- B. 4 km to the east
- C. 4 km to the west
- D. 3 km to the east

**Q65 General Intelligence & Reasoning**

MHSD is related to HDPB in a certain way based on the English alphabetical order. In the same way, LNPB is related to GJMZ. To which of the given options is SMUT related, following the same logic?

- A. NIRR
- B. MJQR
- C. NIRQ
- D. MJQQ

**Q66 General Intelligence & Reasoning**

In a certain code language, 'TUNE' is coded as '5279' and 'WAIT' is coded as '1428'. What is the code for 'T' in the given code language?

- A. 2
- B. 5
- C. 1
- D. 8

**Q67 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

ZDF1, YGH3, XJJ9, WML27, ?

- A. VPN81
- B. VQM81
- C. WQM79
- D. WPM79

**Q68 General Intelligence & Reasoning**

Eight people (A, B, C, D, P, Q, R and S) are sitting around a circular table facing towards the centre. B is an immediate neighbour of both S and P. C sits second to the right of P. R is an immediate neighbour of both D and Q. A sits second to the left of Q. What is the position of Q with respect to C?

- A. Immediate left
- B. Second to the right
- C. Immediate right
- D. Second to the left

**Q69 General Intelligence & Reasoning**

This question is based on the five, three-digit numbers given below.

(Left) 745 768 729 716 721 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

Note: All operations to be done from left to right.

What will be the resultant if the second digit of the second highest number is added to the third digit of the lowest number?

- A. 13
- B. 14
- C. 10
- D. 12

**Q70 General Intelligence & Reasoning**

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

BFL : EIO

KPI : NSL

- A. APH : BSJ
- B. DJH : GMJ
- C. DBH : THY
- D. LQW : OTZ



Q71 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

3 6 8 16 18 36 38 ?

A. 84

B. 40

C. 56

D. 76

**Q72 General Intelligence & Reasoning**

What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$24 \div 5 + 18 \times 6 - 17 = ?$

A. 132

B. 134



C. 136

D. 130

Q73 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements: Some seats are plates. All plates are chairs.

Conclusion (I): Some seats are chairs.

Conclusion (II): All chairs are plates.

A. Only conclusion (II) follows.

B. Neither conclusion (I) nor (II) follows.

C. Both conclusions (I) and (II) follow.

D. Only conclusion (I) follows.

**Q74 General Intelligence & Reasoning**

If 1 is added to each even digit and 2 is subtracted from each odd digit in the number 73256, how many digits will appear more than once in the new number thus formed?

A. Two

B. One



C. Three

D. None

Q75 General Intelligence & Reasoning

Six friends — Edwin, Preeti, Sunita, Jacob, Victoria, and Sagar — are sitting around a circular table facing the centre. Edwin is an immediate neighbour of both Preeti and Sunita. Jacob is sitting third to the left of Sunita. Victoria is sitting second to the right of Jacob. Who is sitting second to the left of Edwin?

A. Sagar

B. Preeti

C. Sunita

D. Victoria

**Q76 General Intelligence & Reasoning**

Warner starts from Point A and drives 78 km towards the west. He then takes a right turn, drives 79 km, turns right and drives 80 km. He then takes a right turn and drives 90 km. He takes a final right turn, drives 2 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 12 km to the south

B. 13 km to the south

C. 10 km to the north

D. 11 km to the north

**Q77 General Intelligence & Reasoning**

Refer to the given series and answer the question that follows. All numbers are single-digit numbers only. Counting to be done from left to right.

(Left) 5 2 8 1 6 3 7 9 4 2 8 7 1 9 6 4 3 5 9 8 2 1 1 7 6 3
(Right).

How many such even digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

A. Three

B. Two

C. Four



D. Five



Q78 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. KO–QU

B. NR–TX

C. GK–MQ

D. TX–YF

**Q79 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

85 100 120 145 175 ?

A. 205

B. 210



C. 195

D. 215

Q80 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

BZA 30 ZXY 41 XVW 52 VTU 63 ?

A. TYE 73

B. TQR 73

C. TRS 74



D. TSR 74

General Awareness

20 Questions • Answer Key

Q81 General Awareness

Which legendary surfer received the Lifetime Achievement Award at Laureus 2025?

A. Kelly Slater



B. Stephanie Gilmore

C. Tom Carroll

D. Mick Fanning

Q82 General Awareness

Where did DRDO successfully conduct the maiden flight-tests of the Integrated Air Defence Weapon System (IADWS) on 23 August 2025?

A. Mumbai Coast

B. Goa Coast

C. Chennai Coast

D. Odisha Coast

**Q83 General Awareness**

Which two countries initialed a peace agreement draft on 19 June 2025, aimed at ending conflict in eastern DR Congo?

A. DR Congo and South Sudan

B. DR Congo and Uganda

C. DR Congo and Rwanda



D. DR Congo and Burundi

Q84 General Awareness

In 2025, Netaji Subhas Chandra Bose Jayanti, also celebrated as Parakram Diwas, falls on which date?

A. 17 March

B. 21 February

C. 23 January



D. 19 April



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Q85 General Awareness

In July 2025, which state government directed all department heads to ensure strict compliance with the Prevention of Sexual Harassment (POSH) Act, 2013 at workplaces to strengthen women's safety?

- A. Kerala
- B. Maharashtra
- C. Odisha
- D. Haryana

Q86 General Awareness

In 2025, which country tested a revolutionary hydrogen bomb that functions without traditional fissile materials like uranium or plutonium, using advanced fusion techniques such as magnesium hydride-based fusion?

- A. The US
- B. China
- C. North Korea
- D. Russia

Q87 General Awareness

As per the Sustainable Development Goals — National Indicator Framework Progress Report 2025, published in June 2025, the rise in internet subscriptions in the year 2024–25 primarily supports which of the following SDGs in India?

- A. SDG 9
- B. SDG 13
- C. SDG 6
- D. SDG 1

Q88 General Awareness

Which athlete clocked 58.11 seconds to win gold in women's 400 m hurdles at the 2025 National Games?

- A. Vithya Ramraj
- B. Anjali Devi
- C. Aishwarya Mishra
- D. Revathi Veeramani

Q89 General Awareness

What is the name of India's first AI teacher introduced in 2024?

- A. Mira
- B. Eva
- C. Sophia
- D. Iris

Q90 General Awareness

Which of the following states won the highest number of medals overall (gold, silver, bronze combined) in National Games 2025?

- A. Maharashtra
- B. Tamil Nadu
- C. Uttarakhand
- D. Punjab

Q91 General Awareness

The Population Census, 2027, will include which major new component for the first time since 1931?

- A. Religion-wise urban census
- B. Occupation-based mapping
- C. Income-based classification
- D. Caste-based enumeration

Q92 General Awareness

According to the NITI Aayog press release (July 2025) on the second edition of the NER District SDG Index 2023–24, how are districts classified based on their SDG scores?

- A. Achiever 90–100; Front Runner 70–89; Performer 50–69; Aspirant <50
- B. Achiever 100; Front Runner 65–99; Performer 50–65; Aspirant <50
- C. Achiever 100; Front Runner 70–99; Performer 55–69; Aspirant <55
- D. Achiever 95–100; Front Runner 60–94; Performer 45–59; Aspirant <45

Q93 General Awareness

Who became the Chairperson of the 23rd Law Commission of India in April 2025?

- A. Justice Dinesh Maheshwari
- B. Justice Ritu Raj Awasthi
- C. Hitesh Jain
- D. Professor DP Verma

Q94 General Awareness

Who captained India in the ICC Women's Cricket World Cup, 2025, in November 2025?

- A. Harmanpreet Kaur
- B. Jhulan Goswami
- C. Smriti Mandhana
- D. Mithali Raj



Q95 General Awareness

Which Union Minister inaugurated the Startup Mahakumbh 2025 and referred to his visit as “an experience of a lifetime”?

A. Piyush Goyal



B. Rajeev Chandrasekhar

C. Ashwini Vaishnaw

D. Dharmendra Pradhan

Q96 General Awareness

When did IndusInd Bank launch its 'Indus StartUp Banking' programme aimed at supporting early-stage startups?

A. August 2025



B. June 2025

C. July 2025

D. April 2025

Q97 General Awareness

In 2025, senators from which of the following nations introduced the 'India Shrimp Tariff Act'?

A. United Kingdom

B. United States



C. Australia

D. Canada

Q98 General Awareness

Which stance did the Reserve Bank of India adopt after the April 2025 repo rate cut?

A. Withdrawn

B. Accommodative



C. Restrictive

D. Neutral

Q99 General Awareness

Under India's National Green Hydrogen Mission, what is the minimum annual green hydrogen production capacity targeted by 2030?

A. 5 million metric tonnes (MMT) per year



B. 8 million metric tonnes (MMT) per year

C. 10 million metric tonnes (MMT) per year

D. 2 million metric tonnes (MMT) per year

Q100 General Awareness

Which female athlete became the second woman in history to win the Laureus World Sportswoman of the Year four times by April 2025?

A. Serena Williams

B. Simone Biles



C. Rebeca Andrade

D. Naomi Osaka



General Science

25 Questions • Answer Key

Q1 General Science

In a Closed System, if 15 gm of substance A reacts with 10 gm of substance B, the total mass of the products should be

- A. 0 gm
- B. 25 gm
- C. 10 gm
- D. 15 gm

Q2 General Science

The measurable quantity 'Density' may be represented in the SI unit of:

- A. kilograms per square metre
- B. kilograms per cubic metre
- C. kilograms per metre
- D. grams per metre

Q3 General Science

How are the metals in the middle of the activity series usually extracted?

- A. By heating alone
- B. By dissolving in water
- C. By reduction using carbon
- D. By electrolysis

Q4 General Science

Which of the following statements is correct?

- A. High pitch means low frequency.
- B. Pitch has no relation with frequency.
- C. High pitch means high frequency.
- D. Low pitch means high frequency.

Q5 General Science

What is the formula unit mass of sodium chloride (NaCl)?

- A. 35.5u
- B. 58.5u
- C. 57u
- D. 23u

Q6 General Science

Which of the following is true about the magnetic field around a current carrying solenoid?

- A. The field in the core of the solenoid decreases from one end of the other end.
- B. The field line pattern of the solenoid resembles the magnetic field line pattern of a straight current carrying wire.
- C. The direction of magnetic field associated with the solenoid can be reversed by reversing the direction of current flowing through it.
- D. The field associated with the solenoid can be increased by decreasing the number of turns in the solenoid.

Q7 General Science

Which of the following shows the correct formula for acceleration?

- A. acceleration = distance / time
- B. acceleration = change in velocity × time
- C. acceleration = change in velocity / time taken
- D. acceleration = force × mass

Q8 General Science

A mass of 3 kg is lifted to a height of 12 m. What is the value of potential energy at the given height?

(Take $g = 10 \text{ m/s}^2$)

- A. 360.0 J
- B. 36.0 J
- C. 3.0 J
- D. 4.0 J

Q9 General Science

In HIV infection, the 'window period' refers to the phase during which _____.

- A. HIV antibodies are detectable in tests
- B. symptoms are severe
- C. HIV antibodies are not detectable in tests
- D. the patient dies



Q10 General Science

Which of the following statements about asexual reproduction is INCORRECT?

- A. It involves the fusion of male and female gametes.** ✓
- B. It involves only one parent.
- C. It produces offspring that are genetically identical clones of the parent.
- D. Fission is a method of asexual reproduction.

Q11 General Science

Consider the following statements and select the correct option.

Statement A: A neutralisation reaction occurs when an acid reacts with a base.

Statement B: Water and salt are formed during neutralisation.

- A. Both statements A and B are incorrect.
- B. Statement A is correct but B is incorrect.
- C. Both statements A and B are correct.** ✓
- D. Statement A is incorrect but B is correct.

Q12 General Science

What is the function of the nuclear membrane in a cell?

- A. It stores digestive enzymes for chromosomal activities.
- B. It prevents the entry of gases and water molecules into the nucleus.
- C. It regulates the transfer of material between nucleus and cytoplasm.** ✓
- D. It provides energy for nuclear division during mitosis.

Q13 General Science

Which component is used in a circuit to increase resistance and limit current?

- A. Resistor** ✓
- B. Battery
- C. Switch
- D. Lamp

Q14 General Science

The cleansing action of soap is due to which of its properties?

- A. Ability to form micelles** ✓
- B. High melting point
- C. Being a strong acid
- D. Being a strong base

Q15 General Science

Vinegar is a 5-8% solution of which of the following?

- A. Acetic acid in water** ✓
- B. Calcium carbonate in water
- C. Formic acid in water
- D. Sodium hydroxide in water

Q16 General Science

A car's odometer shows 3000 km at the beginning of a journey and 3200 km at the end. If the journey takes 4 hours, what is the car's average speed?

- A. 75 km/hr
- B. 25 km/hr
- C. 50 km/hr** ✓
- D. 100 km/hr

Q17 General Science

In animals, which of the following hormones are secreted during a scary situation?

- A. Growth hormone
- B. Adrenaline** ✓
- C. Insulin
- D. Thyroxin

Q18 General Science

Which of the following is a major condition for successful beekeeping?

- A. Presence of pollinating insects
- B. Availability of flowering plants throughout the year** ✓
- C. Growing wheat and rice
- D. Use of pesticides



Q19 General Science

What is the primary function of lysosomes in a cell?

- A. Regulation of water and mineral balance within the cytoplasm
- B. Production of energy in the form of ATP molecules
- C. Digestion of foreign materials and worn-out organelles ✓
- D. Synthesis of proteins and lipids for cell membranes

Q20 General Science

Parenchyma cells contain large intercellular spaces for:

- A. Gas exchange and storage ✓
- B. Protection and transpiration
- C. Photosynthesis and support
- D. Conduction and secretion

Q21 General Science

If an object is placed at a distance 'u' from a convex lens, 'u' _____.

- A. depends on the type of image
- B. is taken as negative ✓
- C. is taken as positive
- D. is taken as zero

Q25 General Science

The number of protons in $^{12}_6\text{C}$ and $^{14}_6\text{C}$, respectively, are:

- A. 8 and 6
- B. 6 and 8
- C. 6 and 6 ✓
- D. 7 and 7

Q22 General Science

Which of the following is NOT explained by the law of gravitation?

- A. Falling of raindrops to the Earth
- B. Artificial satellites revolving around the Earth
- C. The electrostatic attraction between two charged bodies ✓
- D. Tides in oceans

Q23 General Science

Which of the following statements about Presbyopia is correct?

- A. The near point becomes less than 25 cm.
- B. It usually occurs in young children.
- C. It is corrected only by concave lenses.
- D. It occurs due to weakening of ciliary muscles and loss of lens flexibility. ✓

Q24 General Science

Which of the following correctly distinguishes binary fission from multiple fission in unicellular organisms?

- A. Binary fission produces two daughter cells, whereas multiple fission produces many daughter cells at once. ✓
- B. Binary fission occurs only in multicellular organisms, while multiple fission occurs in unicellular ones.
- C. Binary fission results in many daughter cells, while multiple fission forms only two.
- D. Binary fission requires spores, but multiple fission does not.



Q26 Mathematics

One pipe can fill a tank in 5 minutes while another pipe can empty the completely filled tank in 10 minutes. If both the pipes are opened together when the tank is empty, then how many minutes will it take to fill one-half of the tank?

A. 5 minutes



B. 11 minutes

C. 6 minutes

D. 10 minutes

Q27 Mathematics

A father is three times as old as his son. After 12 years from now, he will be twice as old as his son. Find the present ages (in years) of the father and the son, respectively.

A. 35 and 11

B. 38 and 14

C. 37 and 13

D. 36 and 12

**Q28 Mathematics**

How many numbers between 351 and 650 are divisible by 7?

A. 43

B. 42



C. 92

D. 50

Q29 Mathematics

For 11 innings, a cricketer has an average of 71 runs. In the 12th inning, he scores 119 runs. His average score increased by _____.

A. 5

B. 13

C. 4



D. 8

Q30 Mathematics

In quadrilateral PQRS, the bisectors of $\angle R$ and $\angle S$ meet at the point T (inside the quadrilateral) and $\angle STR = 14^\circ$. If the ratio of $\angle P$ to $\angle Q$ is 2 : 5, then what is the difference between the measures of $\angle Q$ and $\angle P$?

A. 8°

B. 3°

C. 16°

D. 12°

**Q31 Mathematics**

A teacher is currently four times as old as one of her students. Five years ago, she was seven times as old as the same student was at that time. What is the teacher's current age (in years)?

A. 40



B. 45

C. 50

D. 35

Q32 Mathematics

The arithmetic mean of the observations 88, 99, 47, 79, 12, 79, 76, 17 and 61 is:

A. 61

B. 62



C. 52

D. 66

Q33 Mathematics

The areas of three adjacent faces of a solid cuboid are 92 cm^2 , 69 cm^2 and 75 cm^2 . What is the volume (in cm^3) of the cuboid?

A. 843

B. 617

C. 690



D. 730



Q34 Mathematics

Find a single discount (approximately) equal to three consecutive discounts of 20%, 4% and 14%.

- A. 36.60%
- B. 33.95% ✓
- C. 33.42%
- D. 33.18%

Q35 Mathematics

An agent sells a pressure cooker with a marked price of ₹8,460 at a discount of 20%. What is the selling price (in ₹) of the pressure cooker?

- A. 6,766
- B. 6,770
- C. 6,767
- D. 6,768 ✓

Q36 Mathematics

Find the simple interest (in ₹) on ₹2,000 at 7% per annum rate of interest for the period from 10 February 2023 to 24 April 2023.

- A. 27
- B. 26
- C. 28 ✓
- D. 29

Q37 Mathematics

Two engines of trains 75 km apart start towards each other at speeds of 13 km/hr and 17 km/hr, respectively. After how much time will they meet each other? (Assume the length of engine is negligible.)

- A. 150 minutes ✓
- B. 155 minutes
- C. 146 minutes
- D. 143 minutes

Q38 Mathematics

A woodcutter earns ₹500 per day and spends 30% of his earning daily. What is his daily saving (in ₹)?

- A. 355
- B. 150
- C. 350 ✓
- D. 450

Q39 Mathematics

A man buys 9 identical articles for a total of ₹16. If he sells each of them for ₹2.4, then his profit percentage will be ____%.

- A. 35 ✓
- B. 36
- C. 26.92
- D. 25.92

Q40 Mathematics

Simplify: $(3x + 2)^2$

- A. $6x^2 + 12x + 4$
- B. $9x^2 + 12x + 4$ ✓
- C. $4x^2 + 12x + 9$
- D. $9x^2 + 4x + 4$

Q41 Mathematics

A motorist travels 30 km in 50 minutes. He drives at a speed of x km/hr for the first 12 minutes, then at $2x$ km/hr for the next 22 minutes and finally at x km/hr for the remainder of the journey. Determine the value of x .

- A. 28
- B. 22
- C. 25 ✓
- D. 30

Q42 Mathematics

A and B can do a piece of work in 18 days, while A and C can do the same work in 12 days. If B and C together can complete the work in 48 days, how long will it take for A, B, and C working together to complete the work (rounded off to two decimal places)?

- A. 13.52 days
- B. 12.52 days ✓
- C. 12.07 days
- D. 12.92 days

Q43 Mathematics

If $9 : A :: A : 4$, then find the positive value of A .

- A. 7
- B. 8
- C. 6 ✓
- D. 5



Q44 Mathematics

Two cylindrical vessels have the same capacity and identical dimensions. If the radius of the first vessel is increased by 14 cm and the height of the second vessel is increased by 30 cm, the increase in capacity for both vessels is equal to $Q \text{ cm}^3$. If the actual height of each vessel is 24 cm, find the value of Q .

A. 23,025 π B. 23,520 π ✓C. 23,250 π D. 23,502 π **Q45 Mathematics**

In an election, Candidate A secures 60% of the votes, Candidate B secures 30% of the votes, and Candidate C secures the remaining 10%. If the total number of votes cast in the election is 1,20,000, how many more votes did Candidate A receive than Candidate B?

A. 28,000

B. 21,000

C. 32,000

D. 36,000 ✓

Q46 Mathematics

If $\operatorname{cosec}\theta - \cot\theta = \frac{1}{11}$, and θ lies in the first quadrant, then find the value of $122 \cos\theta$.

A. 231

B. 164

C. 120 ✓

D. 214

Q47 Mathematics**1816636**

A. 18

B. 6

C. 16

D. 36 ✓

Q48 Mathematics

If 649 bananas were distributed among three monkeys in the ratio $\frac{1}{2} : \frac{1}{6} : \frac{1}{4}$, how many bananas did the first monkey get?

A. 324

B. 374

C. 354 ✓

D. 344

Q49 Mathematics

If $\frac{x^4 + x^2 + 1}{x^2 + x + 1} = 3(2x + 5)$, then find the positive value of x .

A. 4 ✓

B. 2.8

C. 6

D. 3.5



Q50 Mathematics

If 10% of 30% of $\frac{2}{3}$ of a number is 537, find the number.

A. 27090

B. 29050

C. 28620

D. 26850

**General Intelligence & Reasoning**

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

TRV RTR PVN NXJ ?

A. KAF

B. LZF



C. KZF

D. LAF

Q52 General Intelligence & Reasoning

In a row of 103 students facing north, Z is 15th from the right end. If G is 36th to the left of Z, what is G's position from the left end of the line?

A. 53rd



B. 52nd

C. 55th

D. 54th

Q53 General Intelligence & Reasoning

Six people, A, B, C, D, E and F, are sitting in a row, facing north. Only two people sit to the left of E. Only one person sits between A and C. F sits to the immediate left of E. A sits to the immediate right of D. C sits third to the right of B. Who sits at the extreme left end of the row?

A. E

B. C

C. D

D. B

**Q54 General Intelligence & Reasoning**

Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

BH – FM – JR

JP – NU – RZ

A. HN – LS – PX



B. RM – TQ – PR

C. BF – EI – HL

D. PL – RN – TP

Q55 General Intelligence & Reasoning

If 'A' stands for '÷', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark (?) in the following equation?

37 B 12 D 824 A 8 C 128 = ?

A. 499

B. 462

C. 469



D. 471

Q56 General Intelligence & Reasoning

All 58 people are standing in a row facing north. Rizwan is 23rd from the right end, while Aman is 19th from the left end. How many people are there between Rizwan and Aman?

A. 16



B. 14

C. 13

D. 15



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Q57 General Intelligence & Reasoning

Refer to the given series and answer the question that follows. (All numbers are single digit numbers only.) Counting to be done from left to right.

(Left) 5 7 5 9 8 2 3 4 6 5 8 7 7 1 2 5 5 8 9 8 8 4 5 4 6 4 3 6 7
(Right)

How many such odd digits are there, each of which is immediately preceded by an even digit and also immediately followed by an even digit?

A. two

B. three

C. five

D. four

Q58 General Intelligence & Reasoning

Eight people, A, B, C, D, E, F, G and H, are sitting around a circular table facing the centre. Only one person sits between A and B when counted from the left of A. E sits to the immediate right of B. Only two people sit between E and F when counted from the left of E. C sits third to the left of F. D sits to the immediate right of H. Who sits second to the right of G?

A. F

B. E

C. A

D. H

Q59 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(9, 13, 26)

(7, 9, 22)

A. (12, 19, 6)

B. (11, 17, 30)

C. (8, 11, 26)

D. (10, 25, 38)

Q60 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

DEI51, XYC58, RSW65, LMQ72, ?

A. EGK79

B. FGK79

C. FGL79

D. FOK79

Q61 General Intelligence & Reasoning

In a certain code language,

'A + B' means 'A is the mother of B',

'A – B' means 'A is the brother of B',

'A × B' means 'A is the wife of B',

'A % B' means 'A is the father of B' and

'A # B' means 'A is the daughter of B'.

How is E related to P if 'E % C # Q # L + P'?

A. Wife's mother

B. Sister's husband

C. Wife's sister

D. Mother's mother

Q62 General Intelligence & Reasoning

OPNO is related to STRS in a certain way based on the English alphabetical order. In the same way, DECD is related to HIGH. To which of the given options is JKIJ related, following the same logic?

A. NPLS

B. NOLN

C. NOMN

D.>NNLN

Q63 General Intelligence & Reasoning

Sharad, Hemant, Anuj, Pradeep, and Vasant are discussing their assignment while sitting at a circular table facing the centre. Pradeep is sitting to the immediate right of Anuj and Vasant is sitting to the immediate right of Hemant. Sharad is second to the right of Anuj and immediately left of Hemant. Which of the following statement is correct?

A. Vasant is the immediate neighbour of Sharad and Anuj.

B. Anuj is the immediate neighbour of Hemant and Pradeep.

C. Pradeep is the immediate neighbour of Hemant and Vasant.

D. Hemant is the immediate neighbour of Sharad and Vasant.



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Q64 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. NS-OL

B. RW-SO



C. LQ-MJ

D. PU-QN

Q65 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

8 14 26 44 68 ?

A. 102

B. 98



C. 88

D. 92

Q66 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

9 11 15 21 29 39 ?

A. 55

B. 56

C. 51



D. 58

Q67 General Intelligence & Reasoning

In a certain code language, 'CORN' is coded as '6479' and 'OILY' is coded as '2368'. What is the code for 'O' in the given code language?

A. 6



B. 8

C. 4

D. 2

Q68 General Intelligence & Reasoning

Shivank starts from Point A and drives 15 km towards north. He then takes a left turn, drives 11 km, turns left and drives 16 km. He then takes a left turn and drives 14 km. He takes a final left turn, drives 1 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again?

(Note: All turns are 90° turns only unless specified.)

A. 1 km to the west

B. 3 km to the west



C. 2 km to the west

D. 4 km to the west

Q69 General Intelligence & Reasoning

What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$40 + 5 \div 7 - 108 \times 9 = ?$

A. 18

B. 19

C. 17



D. 13

Q70 General Intelligence & Reasoning

Refer to the following series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 1 2 1 2 4 2 1 6 2 1 6 1 1 6 1 3 5 6 1 2 8 6 6 4 9 2 6
(Right)

How many such odd numbers are there (from left to right) each of which is immediately preceded by an odd number and also immediately followed by an even number?

A. 2



B. 4

C. 3

D. 1

Q71 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

1, 4, 9, 16, 25, ?

A. 42

B. 33

C. 38

D. 36



Q72 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows. Counting to be done from left to right. (All numbers are single-digit numbers only.)

(Left) 1 7 6 2 9 4 3 8 5 2 6 3 7 8 9 2 5 1 4 7 6 3 2 9 5 4 1 8
(Right)

How many such even digits are there each of which is immediately preceded by a perfect square and immediately followed by an odd digit?

(Note: 1 is also a perfect square)

A. Three



B. More than three

C. One

D. Two

Q73 General Intelligence & Reasoning

Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

UM-SK-PR
RJ-PH-MO

A. MF-LD-IJ

B. NF-LD-IJ

C. MF-LE-IJ

D. NF-LD-IK

**Q74 General Intelligence & Reasoning**

Refer to the given series and answer the question that follows. (All numbers are single digit numbers only.) Counting to be done from left to right only.

(Left) 2 2 1 3 7 2 6 7 2 9 9 2 2 3 5 7 4 9 3 8 7 (Right)

How many such even digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an odd digit?

A. 2

B. 3



C. 4

D. 1

Q75 General Intelligence & Reasoning

In a certain code language, 'lid ear urn' is coded as 'lw cc pg' and 'corn urn bird' is coded as 'qf wc cc'. How is 'urn' coded in that language?

A. pg

B. lw

C. cc



D. qf

Q76 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. MB – OG

B. QL – SQ

C. UV - WA

D. BP – EU

**Q77 General Intelligence & Reasoning**

A man goes north for 3 km and reaches point B. Then he turns right, goes 10 km to reach point C. Next, he takes a right turn, goes 5 km to reach point D. Then he goes west for 3 km to reach point E. Finally, he turns right and goes 2 km to reach point F. In which direction is the man now with respect to the starting point?

(Note: All turns are 90° turns only unless specified.)

A. East



B. Southwest

C. West

D. Southeast



Q78 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All caves are houses.
All houses are dens.
All dens are mansions.

Conclusions:

(I) All caves are mansions.
(II) Some mansions are houses.

- A. Only conclusion (I) follows
- B. Neither conclusion (I) nor (II) follows
- C. Both conclusions (I) and (II) follow ✓
- D. Only conclusion (II) follows

Q79 General Intelligence & Reasoning

If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', then what will come in place of the question mark (?) in the following equation?

76 A 2 C (30 A 6) B 4 D 39 A 3 C 15 = ?

- A. 65
- B. 60 ✓
- C. 45
- D. 70

Q80 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All jams are cobras.
All cobras are mats.

Conclusions:

(I): Some mats are cobras.
(II): All jams are mats.

- A. Neither conclusion (I) nor (II) follows
- B. Both conclusions (I) and (II) follow ✓
- C. Only conclusion (II) follows
- D. Only conclusion (I) follows

General Awareness

20 Questions • Answer Key

Q81 General Awareness

The Eravikulam National Park, which emerged as one of the two top-performing protected areas in India in the Management Effectiveness Evaluation (MEE) conducted by the Wildlife Institute of India in June 2025, is home to which of the following species?

- A. Nilgiri Tahr ✓
- B. Snow Leopard
- C. Indian one-horned Rhinoceros
- D. Lion-tailed Macaque

Q82 General Awareness

Which football club was awarded the 2025 Laureus World Team of the Year?

- A. Manchester City
- B. FC Barcelona
- C. Real Madrid ✓
- D. Paris Saint-Germain

Q83 General Awareness

Which of the following organisations or ministries released the report titled 'India's Services Sector: Insights from GVA Trends and State-Level Dynamics' in October 2025?

- A. Ministry of Finance
- B. Ministry of Statistics and Programme
- C. Reserve Bank of India
- D. NITI Aayog ✓



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Q84 General Awareness

Who among the following was leading the Insurance Regulatory and Development Authority of India (IRDAI) until March 2025, after which key reforms stalled?

- A. Rakesh Kumar
- B. Sunil Mehta
- C. Debasish Panda
- D. Subhash Chandra

**Q85 General Awareness**

In April 2025, the Indian government signed a Headquarters Agreement with which intergovernmental wildlife organisation to establish its headquarters in India?

- A. International Tiger Conservation Network
- B. International Big Cat Alliance
- C. World Wildlife Fund Asia
- D. Global Cat Conservation Coalition

**Q86 General Awareness**

Indian researchers have developed a novel lanthanum-doped silver niobate material to enhance the performance of which of the following energy storage devices?

- A. Supercapacitors
- B. Fuel cells
- C. Lithium-ion batteries
- D. Solar panels

**Q87 General Awareness**

Which fungal pathogen has been found to use chromosome alterations to resist common antifungal drugs like fluconazole and voriconazole?

- A. Cryptococcus neoformans
- B. Candida tropicalis
- C. Aspergillus fumigatus
- D. Candida albicans

**Q88 General Awareness**

According to the Ministry of External Affairs (MEA) and the Ministry of Electronics and Information Technology (MeitY), which of the following city-states signed a "Comprehensive Strategic Partnership" with India, including MoUs in semiconductors, digital technology and skills development in September 2024?

- A. Thailand
- B. Malaysia
- C. Singapore
- D. Indonesia

**Q89 General Awareness**

In February 2025, which athlete broke her own women's 400 m National Games record, clocking 51.12 seconds to win gold?

- A. Dutee Chand
- B. Hima Das
- C. Aishwarya Mishra
- D. Jyothi Yarraji

**Q90 General Awareness**

In 2025, the seventh edition of the Khelo India Youth Games (KIYG) took place. Which Indian state served as the host for these games?

- A. Madhya Pradesh
- B. Uttar Pradesh
- C. Maharashtra
- D. Bihar

**Q91 General Awareness**

By what percentage did the All-India House Price Index increased annually in Q4 FY25, with Kolkata recording the highest price growth and Kochi witnessing a decline?

- A. 5.1%
- B. 4.1%
- C. 3.1%
- D. 6.1%

**Q92 General Awareness**

India launched its National Red List Roadmap at which of the following international events in 2025?

- A. IUCN World Conservation Congress
- B. G20 Environment Ministers' Summit
- C. UN Climate Change Conference (COP30)
- D. World Biodiversity Forum



Q93 General Awareness

Which Glaswegian author released Hermit in 2025, dealing with themes of toxic masculinity and online misogyny?

- A. Nell Stevens
- B. Margaret McDonald
- C. Chris McQueer
- D. Ocean Vuong

Q94 General Awareness

Who became the record-holder for the most international football wins, with 132, by a male player in March 2025?

- A. Sergio Ramos
- B. Robert Lewandowski
- C. Cristiano Ronaldo
- D. Lionel Messi

Q95 General Awareness

In 2025, which state decided to review the Shakti Bill, which was to protect children and women from crime?

- A. Bihar
- B. Uttar Pradesh
- C. Tamil Nadu
- D. Maharashtra

Q96 General Awareness

As per the Sustainable Development Goals — National Indicator Framework Progress Report, 2025, published in June 2025, what was the percentage of the total waste processed during the year 2024–2025, indicating progress in waste management efficiency?

- A. 75.6%
- B. 97.80%
- C. 80.7%
- D. 90.25%

Q97 General Awareness

Who launched the Mukhya Mantrir Jiban Anuprerana Scheme in June 2025?

- A. Prime Minister of India
- B. Assam Chief Minister Himanta Biswa Sarma
- C. Assam Governor Lakshman Acharya
- D. Education Minister of Assam

Q98 General Awareness

In India, which High Court launched a dedicated portal for workplace sexual harassment complaints in July 2025 to empower women at work?

- A. Delhi High Court
- B. Karnataka High Court
- C. Bombay High Court
- D. Calcutta High Court

Q99 General Awareness

Which public space improvement was recommended in Chennai's Gender and Policy Lab manual during May–June 2025?

- A. Deployment of aerial surveillance drones
- B. Introduction of women-only bus services
- C. Increased street lighting and safe toilets
- D. Creation of parks for women exclusively

Q100 General Awareness

Which state/Union Territory observed its 25th Foundation Day on 9 November 2025?

- A. Uttarakhand
- B. Jharkhand
- C. Chhattisgarh
- D. Ladakh



General Science

25 Questions • Answer Key

Q1 General Science

Which of the following is true for mixtures but NOT for compounds?

- A. Components lose their individual properties.
- B. Components are present in fixed ratio.
- C. Components can be separated by physical methods. ✓
- D. New substances are formed.

Q2 General Science

What happens to the gravitational force between two objects if both of their masses are doubled?

- A. The force becomes half
- B. The force becomes quadruple
- C. The force becomes double
- D. The force becomes four times greater ✓

Q3 General Science

What are the main products formed when ethanol burns completely in air?

- A. Carbon dioxide and water ✓
- B. Oxygen and methane
- C. Ethane and water
- D. Carbon monoxide and hydrogen

Q4 General Science

Which pair of energy forms constitutes the total mechanical energy of an object?

- A. Electrical energy and Light energy
- B. Heat energy and Chemical energy
- C. Nuclear energy and Sound energy
- D. Potential energy and Kinetic energy ✓

Q5 General Science

Which of the following events directly triggers the process of menstruation?

- A. Maturation of the egg
- B. Non fertilisation of egg and hormonal changes ✓
- C. Release of sperm into the vagina
- D. Fertilisation of the egg

Q6 General Science

During evaporation, when the average kinetic energy of molecules decreases, what is the effect on temperature?

- A. No effect on temperature.
- B. It decreases. ✓
- C. It will remain the same.
- D. It increases.

Q7 General Science

According to Newton's Second Law of Motion, force is given by the relation $F = ma$. If a body's velocity changes from u (initial velocity) to v (final velocity) in time t , which of the following expressions correctly gives the force acting on the body?

- A. $F = m(u-v)/t$
- B. $F = t(v-u)/m$
- C. $F = m(v-u)/t$ ✓
- D. $F = mt/(v-u)$

Q8 General Science

Which of the following represents a straight chain hydrocarbon?

- A. Benzene
- B. Butane ✓
- C. Cyclopentane
- D. Isobutane

Q9 General Science

A person ignores regular vehicle maintenance. Which of the following is most likely to happen?

- A. Decreased pollution
- B. Better tyre grip and less pollution
- C. Increased fuel efficiency
- D. Poor engine performance ✓



Q10 General Science

Which type of connective tissue connects muscles to bones?

A. Tendon



B. Ligament

C. Joints

D. Blood

Q11 General Science

An ultrasonic wave has a frequency of 33 kHz. What will be the wavelength of this wave, if its speed is 330 m/s?

A. 100 m

B. 0.01 m



C. 0.1 m

D. 10 m

Q12 General Science

When an object is placed at the principal focus of a convex lens, the image is formed:

A. Between F and O, virtual and erect.

B. At infinity, real, inverted, and highly enlarged.



C. At 2F, inverted, and magnified.

D. At the focus, inverted, and of same size.

Q13 General Science

Which of the following statements is true about movement in the plant 'Touch me not'?

A. Plant movement takes place because roots absorb minerals.

B. Plant movement happens due to growth of new xylem cells.

C. Plant movement occurs because phloem transports food.

D. Plant movement happens due to changes in water content in cells.

**Q14 General Science**

What is the main function of bile in human digestion?

A. To digest proteins completely in the stomach

B. To mix food with saliva for easy swallowing

C. To make food alkaline and break down large fat globules



D. To convert glucose into glycogen in the liver

Q15 General Science

In a parallel combination of resistors, which of the following quantities remains the same across all the resistors?

A. The power consumed (P)

B. The equivalent resistance (R_{eq})

C. The electric current (I)

D. The potential difference (V)

**Q16 General Science**

Consider the following statements and select the correct option.

Statement A: Sugarcane juice can be fermented to give alcohol (ethanol).

Statement B: Alcohol is added to petrol because it is a cleaner fuel.

A. Both statements A and B are correct.



B. Statement A is correct, but B is incorrect.

C. Statement A is incorrect, but B is correct.

D. Both statements A and B are incorrect.

Q17 General Science

Which of the following is a correct property of solids?

A. Solids have no fixed shape.

B. Solids are highly compressible.

C. Solids diffuse easily.

D. Solids have strong intermolecular forces.

**Q18 General Science**

A woman using a copper-T complains of abdominal pain and discomfort. What is the likely reason?

A. Infection in the stomach

B. Uterine irritation caused by the IUD



C. Blockage in fallopian tube

D. Hormonal imbalance due to tablets

Q19 General Science

A passenger in a moving bus falls forward when the bus suddenly stops. This is due to which of the following?

A. Friction between seat and passenger

B. Gravity

C. Inertia of motion of the passenger



D. Force applied by the bus



Q20 General Science

What is the benefit of seed dispersal in plants?

- A. It promotes the availability of mineral nutrients to plants.
- B. It enables plants to expand their distribution. ✓
- C. It increases competition between plants for sunlight.
- D. It makes more water available to plants.

Q21 General Science

Four resistors of $5\ \Omega$, $15\ \Omega$, $20\ \Omega$ and $40\ \Omega$ are connected in series. The equivalent resistance is _____.

- A. $20\ \Omega$
- B. $3\ \Omega$
- C. $0.5\ \Omega$
- D. $80\ \Omega$ ✓

Q22 General Science

Which method is commonly used for extracting moderately reactive metals such as iron from their ores?

- A. Chemical reduction of the ore using carbon-based reducing agents ✓
- B. Direct heating of the metallic ore strongly in the presence of air
- C. Dissolving and melting of the ore material in concentrated acids
- D. Electrolysis performed on the molten form of metal oxide ores

Q25 General Science

In the reaction between aqueous sodium sulphate and aqueous barium chloride, which compound forms the white precipitate?

- A. Na_2SO_4
- B. BaCl_2
- C. NaCl
- D. BaSO_4 ✓

Q23 General Science

The sign convention for focal length of a concave lens _____.

- A. depends on object position
- B. is negative ✓
- C. is zero
- D. is positive

Q24 General Science

Which of the following correctly describes parenchyma, a simple permanent tissue?

- A. Parenchyma cells are highly specialised and tightly packed with no space between them.
- B. Parenchyma is made of living, loosely arranged cells with thin walls that store food. ✓
- C. Parenchyma consists of dead, thick-walled cells without intercellular spaces.
- D. Parenchyma is a complex tissue found only in vascular bundles.

Mathematics

25 Questions • Answer Key

Q26 Mathematics

A shopkeeper buys a bag for ₹850 and sells it for ₹1,020. Find his profit percentage.

- A. 30%
- B. 40%
- C. 20% ✓
- D. 25%

Q27 Mathematics

In a quadrilateral IJKL, $\angle I = 36^\circ$ and $\angle J = 44^\circ$. The bisectors of $\angle K$ and $\angle L$ meet at Z. What is the measure of $\angle LKZ$?

- A. 40° ✓
- B. 54°
- C. 55°
- D. 34°



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Q28 Mathematics

The number of prime numbers between 472 and 486 is:

- A. 1 ✓
- B. 3
- C. 2
- D. 4

Q29 Mathematics

The arithmetic mean of the observations 94, 59, 46, 34, 15, 55, 89, 98 and 68 is:

- A. 63
- B. 67
- C. 60
- D. 62 ✓

Q30 Mathematics

The amount on a sum of ₹8,800 at 10% per annum compound interest, compounded annually, in 2 years will be:

- A. ₹11,225
- B. ₹9,757
- C. ₹10,012
- D. ₹10,648 ✓

Q31 Mathematics

A money box contains only ₹2 coins and ₹5 coins. There are 20 coins in total, and their combined value is ₹70. How many ₹2 coins are there?

- A. 10 ✓
- B. 15
- C. 5
- D. 12

Q32 Mathematics

Mohan is twice as old as Suresh. Four years ago, the sum of their ages was 40. What is the present age of Suresh?

- A. 32 years
- B. 24 years
- C. 16 years ✓
- D. 18 years

Q33 Mathematics

An agent sells a pressure cooker with a marked price of ₹8,460 at a discount of 30%. What is the selling price (in ₹) of the pressure cooker?

- A. 6,768
- B. 5,922 ✓
- C. 6,367
- D. 6,166

Q34 Mathematics

A retailer offers the following discount schemes for buyers on an article. Which scheme will be the LEAST beneficial to the customer?

- i. A discount of 48%.
- ii. A discount of 31% followed by a discount of 44%.
- iii. Successive discounts of 32% and 21%.

- A. Scheme iii and Scheme ii
- B. Scheme i
- C. Scheme ii
- D. Scheme iii ✓

Q35 Mathematics

Kiran spends 65% of his income. If he saves ₹42,000, then his income (in ₹) is:

- A. 27,300
- B. 1,19,000
- C. 1,20,000 ✓
- D. 1,21,000

Q36 Mathematics

A can complete a piece of work in 24 days, B in 18 days and C in 36 days. All of them started working together. After working for 4 days, A left the work. B and C continued, but B left 3 days before the completion of the work. How long (in days) did the work last?

- A. 11
- B. 12 ✓
- C. 14
- D. 13



Q37 Mathematics

₹6,129 is divided among P, Q and R in such a way that if ₹71, ₹38 and ₹20 is deducted from their respective shares, they have money in the ratio 14:3:8. Find the difference between the original shares of Q and R.

A. ₹1,150

B. ₹1,050

C. ₹1,100

D. ₹1,182

**Q38 Mathematics**

P and Q together can fill a cistern with water in 9 hours. If P alone can fill the cistern with water in 12 hours, then in how many hours will Q alone fill one-fourth of the same cistern with water?

A. 19

B. 18

C. 9



D. 10

Q39 Mathematics

Ajay, Maya and Mohan started a business in partnership investing in the ratio of 11 : 16 : 6, respectively. At the end of the year, they earned a profit of ₹69,300, which is 70% of their total investment. How much did Maya invest (in ₹)?

A. 47,872

B. 47,850

C. 48,000



D. 48,184

Q40 Mathematics

The monthly incomes of two friends Rupesh and Manjit, are in the ratio 5 : 8, respectively, and each of them saves ₹84,000 every month. If the ratio of their monthly expenditure is 1 : 3, find the monthly income of Rupesh (in ₹).

A. 1,68,000

B. 1,20,000



C. 1,21,000

D. 1,19,000

Q41 Mathematics

Due to a water crisis, 40% of the initial population left the village and 35% of the remaining left the town to pursue a job. If presently 2340 people inhabit the village, what is the ratio of initial population to present population?

A. 100:39



B. 103:43

C. 105:40

D. 100:49

Q42 Mathematics

Two trains are running in opposite directions at speeds of 72 km/hr and 108 km/hr, respectively. The length of the first train is 150 m, and the length of the second train is 200 m. How much time will they take to cross each other?

A. 9 seconds

B. 7 seconds



C. 5 seconds

D. 14 seconds

Q43 Mathematics

Two trains are travelling towards each other on parallel tracks, 9660 kilometres apart. Train A initially travels at 80 km/hr, and Train B initially travels at 60 km/hr. If Train A's speed is reduced by 10% and Train B's speed is increased by 10%, what is the ratio of the time taken for the trains to meet initially to the time taken after their speed adjustments?

A. 68:69

B. 70:69

C. 69:70



D. 69:68



Q44 Mathematics

Simplify: $\sqrt{2} + \frac{1}{\sqrt{2}} + \frac{1}{2+\sqrt{2}} - \frac{1}{2-\sqrt{2}}$

A. $3\sqrt{2}$

B. $2\sqrt{2}$

C. $\frac{1}{\sqrt{2}}$ ✓

D. $\sqrt{2}$

Q45 Mathematics

$$\frac{72}{96}$$

A. $\frac{2}{3}$

B. $\frac{5}{8}$

C. $\frac{3}{4}$ ✓

D. $\frac{4}{5}$

Q46 Mathematics

A running track consists of two straight parallel segments, each 120 m long, connected at both ends by semicircular arcs. The inner perimeter of the track is 504 m. If the track has a uniform width of 18 m throughout, find the outer perimeter (in m, rounded off to the nearest tens) of the track.

$$\left(\text{Take } \pi = \frac{22}{7} \right)$$

A. 590

B. 620 ✓

C. 610

D. 600

Q47 Mathematics

If the ratio of the mode and median of a certain data is 11:9, then find the ratio of its mean and median.

A. 8:9 ✓

B. 7:9

C. 7:8

D. 11:8



Q48 Mathematics

If $x = \sqrt{10} + 3$, then the value of $x^3 - \frac{1}{x^3}$ is:

A. 314

B. 304

C. 234



D. 284

Q49 Mathematics

If $\tan\theta = \frac{1}{2}$, then $\frac{\cos\theta - \sin\theta}{\sin\theta + \cos\theta}$ is equal to:

A. $\frac{2}{3}$ B. $\frac{2}{5}$ C. $\frac{1}{3}$ D. $\frac{1}{5}$ **Q50** Mathematics

A spherical water tank has a radius of 21 metres. Calculate the volume (in m^3) of water it can hold. (Use $\pi = \frac{22}{7}$)

A. 30,800

B. 30,808

C. 38,800

D. 38,808



Q51 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some Mercuries are Venuses.

All Venuses are Earths.

No Earth is Mars.

Conclusions:

(I) Some Mercuries are Earths.

(II) No Venus is Mars.

A. Both conclusions (I) and (II) follow.



B. Neither conclusion (I) nor (II) follows.

C. Only conclusion (II) follows.

D. Only conclusion (I) follows.

Q52 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(5, 3, 16)

(7, 2, 15)

A. (3, 4, 13)



B. (6, 8, 43)

C. (8, 5, 30)

D. (4, 3, 9)

Q53 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

1, 3, 7, 15, 31, ?

A. 65

B. 63



C. 55

D. 58

Q54 General Intelligence & Reasoning

What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$59 \div 11 + 833 \times 7 - 24 = ?$$

A. 512

B. 554



C. 547

D. 536

Q55 General Intelligence & Reasoning

Mudit starts from Point Y and drives 92 km towards South. He then takes a left turn, drives 59 km, turns left and drives 38 km. He then takes a right turn and drives 28 km. He then turns left, drives 54 km to stop at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again?

(All turns are 90° turns only unless specified.)

A. 84 km towards west

B. 87 km towards west



C. 79 km towards east

D. 91 km towards east

Q56 General Intelligence & Reasoning

Seven boxes, L, M, N, O, Q, R and S, are kept one over the other, but not necessarily in the same order. L is kept immediately above O. Only M is kept below R. N is kept immediately above Q. Only two boxes are kept above L. How many boxes are kept between S and N?

A. One

B. Two

C. Four

D. Three

**Q57 General Intelligence & Reasoning**

LMQR is related to VWAB in a certain way based on the English alphabetical order. In the same way, IJNO is related to STXY. To which of the given options is HIMN related, following the same logic?

A. RSVX

B. RTVE

C. RSWX



D. RRVX



Q58 General Intelligence & Reasoning

In a car park, vehicle A is to the west of vehicle B. Vehicle C is to the east of vehicle B. Vehicle D is to the north of vehicle B. Vehicle E is to the south of vehicle C. Vehicle F is to the north of vehicle C. What is the position of vehicle E with respect to vehicle A?

- A. South
- B. North-east
- C. South-east
- D. East

**Q59 General Intelligence & Reasoning**

Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) 6 3 3 £ * 9 € £ € \$ 9 @ 7 4 5 # 9 2 1 £ 7 5 (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a symbol?

- A. 4
- B. 2
- C. 3
- D. 1

**Q60 General Intelligence & Reasoning**

In a certain code language, 'trust brings peace' is coded as 'tg dx pm' and 'find trust within' is coded as 'pm av wj'. How is 'trust' coded in that language?

- A. tg
- B. av
- C. pm
- D. dx

**Q61 General Intelligence & Reasoning**

Six people, A, B, C, D, E and F, are sitting in a row, facing north. Only two people sit to the left of F. Only one person sits between D and E. F sits to the immediate left of D. A sits to the immediate right of C. B sits third to the right of A. Who sits at the extreme left end of the line?

- A. D
- B. E
- C. C
- D. A

**Q62 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

ASE KCO UMY EWI ?

- A. OSG
- B. OGY
- C. OGS
- D. OGT

**Q63 General Intelligence & Reasoning**

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some pens are combs.
All shirts are tails.
All combs are shirts.

Conclusions:

(I) Some tails are combs.
(II) Some shirts are pens.

- A. Only conclusion (II) follows.
- B. Both conclusions (I) and (II) follow.
- C. Only conclusion (I) follows.
- D. Neither conclusion (I) nor (II) follows.

**Q64 General Intelligence & Reasoning**

Refer to the following series and answer the question (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 8 2 2 4 3 9 4 3 8 9 5 5 6 5 3 7 5 3 9 6 6 5 3 1 8 1 8 (Right)

How many such odd numbers are there, each of which is immediately preceded by an even number and also immediately followed by an even number?

- A. 2
- B. 1
- C. 3
- D. 4



Q65 General Intelligence & Reasoning

What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$4 \div 2 + 15 \times 5 - 8 = ? + 5$$

A. 12

B. 4

C. 18

D. 8

Q66 General Intelligence & Reasoning

Seven boxes A, B, C, D, M, N and O are kept one over the other but not necessarily in the same order. B is kept second from the bottom. Only three boxes are kept between B and A. O is kept at one of the positions below B. Only C is kept between A and D. M is kept at one of the positions above A.

How many boxes are kept between N and A?

A. Three

B. One

C. Two

D. Four

Q67 General Intelligence & Reasoning

In a certain code language,
'A x B' means 'A is the wife of B',
'A - B' means 'A is the daughter of B',
'A ÷ B' means 'A is the father of B' and
'A + B' means 'A is the son of B'.

How is L related to Q if 'L + M - N x P ÷ Q'?

A. Sister's son

B. Daughter's husband

C. Daughter's son

D. Brother's son

Q68 General Intelligence & Reasoning

In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

DUAL - ULDA - ADUL
RATE - AERT - TRAE

A. ROAD - ODRA - AROD

B. VIEW - WVIE - EWIV

C. GROW - ROWG - ORGW

D. RENT - RTEN - ENRT

Q69 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

119 110 102 95 ? 84 80

A. 89

B. 87

C. 86

D. 90

Q70 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

LR21 MS30 NT39 OU48 ?

A. PU58

B. PV57

C. PV58

D. PU57

Q71 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

0 5 15 30 ? 75

A. 45

B. 55

C. 50

D. 40

Q72 General Intelligence & Reasoning

This question is based on the five, three-digit numbers given below.

(Left) 324 526 249 267 185 (Right)

(Example: 697 - First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

What will be the resultant if the third digit of the highest number is added to the second digit of the lowest number?

A. 12

B. 11

C. 14

D. 13



Q73 General Intelligence & Reasoning

A, B, C, D, E and F are sitting around a circular table, facing the centre. B sits third to the right of A. E sits to the immediate left of D. D is not an immediate neighbour of A. F sits to the immediate right of C. The position of how many persons will remain unchanged if all persons are arranged in alphabetical order in clockwise direction starting from A (including A)?

A. Four

B. Three

C. Two



D. One

Q74 General Intelligence & Reasoning

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

GAN : KVR

OQV : SLZ

A. HTV : LQZ

B. LZA : QVF

C. NEQ : RCU

D. WGD : ABH

**Q75 General Intelligence & Reasoning**

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. EKN

B. OUX

C. FLQ



D. TZC

Q76 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers only.)

(Left) 4 8 7 6 3 9 3 2 8 2 9 4 5 6 5 4 1 3 5 9 7 9 9 4 2 5 3 6 1 7 2 (Right)

How many such odd numbers are there, each of which is immediately preceded by a perfect square and also immediately followed by an even number? (NOTE: 1 is also a perfect square.)

A. More than three



B. Two

C. One

D. Three

Q77 General Intelligence & Reasoning

If 'P' stands for '×', 'Q' stands for '÷', 'R' stands for '-' and 'S' stands for '+', what will come in place of the question mark (?) in the following equation?

3 P 9 R (14 Q 2) P 6 S 80 Q 5 S 4 P 10 = ?

A. 59

B. 33

C. 52

D. 41

**Q78 General Intelligence & Reasoning**

In a certain code language, 'video oak bell' is coded as ' of br mw' and 'hair bell dew' is coded as 'br ui ee'. How is 'bell' coded in the given language?

A. mw

B. br



C. of

D. ui

Q79 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. FD – MJ

B. XV – AC



C. DB – KH

D. OM – VS



Q80 General Intelligence & Reasoning

Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north. Only five people sit between D and B. C sits to the immediate left of B. Only one person sits between C and A. F sits at some place to the left of G but at some place to the right of E. How many people sit to the right of A?

A. 4

B. 1

C. 3



D. 2

General Awareness

20 Questions • Answer Key

Q81 General Awareness

Which former RBI Governor became PM's Principal Secretary, signaling strong economic emphasis in February 2025?

A. YV Reddy

B. Shaktikanta Das



C. Manmohan Singh

D. Urjit Patel

Q82 General Awareness

In March 2025, the Parliament passed the Banking Laws (Amendment) Bill. It amended the Reserve Bank of India Act, 1934, and _____.

A. Negotiable Instruments Act, 1881

B. Companies Act, 2013

C. Payment and Settlement Systems Act, 2007

D. Banking Regulation Act, 1949

**Q83 General Awareness**

According to the Sustainable Development Report, 2025, what is India's rank on the SDG Index and what is its approximate score?

A. 109th with score ≈ 62.00

B. 79th with score ≈ 72.30

C. 89th with score ≈ 70.10

D. 99th with score ≈ 66.95

**Q84 General Awareness**

Which of the following teams was the runner-up of the 18th Edition of the Indian Premier League in 2025?

A. Sunrisers Hyderabad

B. Punjab Kings



C. Chennai Super Kings

D. Gujarat Titans

Q85 General Awareness

Where did the RBI relocate its Andhra Pradesh Regional Office in June 2025?

A. Guntur

B. Vijayawada



C. Visakhapatnam

D. Amaravati

Q86 General Awareness

In 2025, the maiden flight-tests of the Integrated Air Defence Weapon System (IADWS) by Defence Research and Development Organisation (DRDO) were conducted off the coast of which of the following states of India?

A. Odisha



B. Tamil Nadu

C. West Bengal

D. Gujarat



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Q87 General Awareness

Which Indian cricketer became only the second wicketkeeper in Test history to score centuries in both innings during the first Test against England at Headingley in June 2025?

A. Rishabh Pant



B. KL Rahul

C. Wriddhiman Saha

D. Ishan Kishan

Q88 General Awareness

In which of the following Sustainable Development Goals (SDGs) is India on track or maintaining SDG achievement, as per the Sustainable Development Report 2025?

A. SDG 13

B. SDG 1



C. SDG 14

D. SDG 9

Q89 General Awareness

Who was conferred the Padma Shri in 2025 for revitalising Kani shawl weaving in the field of Art and Literature?

A. Farooq Ahmad Mir



B. Bheru Singh Chouhan

C. Bhimavva Doddabalappa Shillekyathara

D. Stephen Knapp

Q90 General Awareness

Which former Olympic swimmer was elected as the first female and African President of the IOC in March 2025?

A. Cathy Freeman

B. Inge de Bruijn

C. Kirsty Coventry



D. Penny Heyns

Q91 General Awareness

For which novel did David Szalay receive the Booker Prize in 2025?

A. Last Empire

B. Flesh



C. The Sea of Trees

D. Heart Lamp

Q92 General Awareness

Which organisation expressed serious concerns about the potential escape of Ebola samples in Goma, Democratic Republic of Congo?

A. United Nations Children's Fund (UNICEF)

B. Doctors Without Borders

C. World Health Organization (WHO)

D. International Committee of the Red Cross (ICRC)

**Q93 General Awareness**

The Indian Space Research Organisation (ISRO) is seeking to collaborate with the European Space Agency (ESA) on which of the following missions to track and study the Apophis asteroid, which is slated to make a close encounter with Earth in 2029?

A. Kopunegar mission

B. Cristono mission

C. Zuris mission

D. Ramses mission

**Q94 General Awareness**

In 2025, which organisation reintroduced the SPREE initiative and launched the Amnesty Scheme – 2025 to expand social security coverage for workers?

A. Employees' State Insurance Corporation



B. Employees Provident Fund Organisation

C. Ministry of Labour and Employment

D. NITI Aayog

Q95 General Awareness

In the 2025 Asian Athletics Championships held in Gumi, South Korea, Tejaswin Shankar made history by becoming the first Indian to win two medals in which specific athletics event?

A. Pentathlon

B. Heptathlon

C. Triathlon

D. Decathlon



Q96 General Awareness

Which of the following sectors is given special focus under the Employment Linked Incentive (ELI) Scheme launched in 2025?

A. Manufacturing



B. Agriculture

C. Banking

D. Tourism

Q97 General Awareness

At which event was the ENDOVEDA platform for efficient endoscopy reporting unveiled in July 2025?

A. India Health Conclave, New Delhi

B. Global Gastro Summit, Hyderabad

C. MedTech Expo 2025, Bengaluru

D. Endocon 2025, Jaipur

**Q98 General Awareness**

According to the India Meteorological Department (IMD), in October 2025, severe cyclonic storm "Montha" crossed the Andhra Pradesh coast between which two locations?

A. Visakhapatnam and Gopalpur

B. Paradip and Digha

C. Chennai and Puducherry

D. Machilipatnam and Kalingapatnam

**Q99 General Awareness**

What new title did the Amendment give to the Waqf Act, 1995?

A. United Waqf Management, Empowerment, Efficiency and Development Act, 1995



B. United Waqf Administration Act, 1995

C. Unified Waqf Empowerment Act and management of Waqf properties and boards, 1995

D. Waqf Efficiency and Reform Act, 1995

Q100 General Awareness

In November 2025, the Supreme Court of India held that every arrested individual must be provided with the written grounds of arrest in which language?

A. A language understood by the arrested person



B. The language of the arresting officer's choice

C. English only

D. Any official language of the state



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General Science

25 Questions • Answer Key

Q1 General Science

In a metallic wire obeying Ohm's Law, if the resistance remains constant, reducing the potential difference across its terminals to one-half of its former value will result in what change in the current flowing through it?

- A. The current reduces to one-fourth of its former value.
- B. The current reduces to one-half of its former value. ✓
- C. The current remains constant.
- D. The current doubles.

Q2 General Science

Newton's third law of motion deals with the nature of _____.

- A. forces always occurring in pairs ✓
- B. the relationship between mass and acceleration
- C. the force of gravity acting on a falling object
- D. a single object resisting a change in motion

Q3 General Science

In which of the following plants, seed is dispersed by the bursting of fruits?

- A. Castor ✓
- B. Sunflower
- C. Xanthium
- D. Urena

Q4 General Science

Which statement correctly defines the process of evaporation?

- A. It requires the liquid to freeze before changing to the gas form
- B. It takes place only at the boiling temperature of a liquid
- C. It changes a liquid to gas from the surface below boiling point ✓
- D. It changes solids directly into vapors upon heating strongly

Q5 General Science

Who first described the nucleus as a cell organelle in 1831?

- A. Robert Brown ✓
- B. Rudolf Virchow
- C. Anton van Leeuwenhoek
- D. Robert Hooke

Q6 General Science

The blue colour of the sky appears due to:

- A. absorption of blue light by air molecules
- B. scattering of shorter wavelength of sunlight by air molecules ✓
- C. reflection of light by air molecules
- D. refraction of light by air molecules

Q7 General Science

The sign of acceleration depends on its direction relative to velocity. Which of the following is correct?

- A. Acceleration is always positive, irrespective of direction.
- B. Acceleration is negative if it is in the direction of velocity.
- C. Acceleration is positive if it is in the direction of velocity, and negative if it is opposite. ✓
- D. Acceleration is positive if it is opposite to the direction of velocity.

Q8 General Science

The reaction between sodium sulphate and barium chloride is an example of double displacement reaction. This is also an example of:

- A. displacement reaction
- B. decomposition reaction
- C. precipitation reaction ✓
- D. combination reaction



Q9 General Science

Which of the following statements is INCORRECT about regeneration?

- A. Regeneration involves specialised cells and requires cell division.
- B. Fragmentation occurs in simple multicellular organisms like Spirogyra.
- C. In complex animals, regeneration is limited to repair of tissues, not formation of a whole organism.
- D. Dogs can regrow lost body parts and form whole new individuals. ✓

Q10 General Science

What determines the sex of a child in humans?

- A. Number of autosomes
- B. Mitochondrial DNA
- C. Father's sperm ✓
- D. Mother's ovum

Q11 General Science

Which of the following metals, according to the reactivity series, is the most reactive?

- A. Copper
- B. Zinc
- C. Iron
- D. Potassium ✓

Q12 General Science

Which of the following best describes the function of nervous tissue?

- A. It protects internal organs from mechanical injury.
- B. It stores energy in the form of fat globules.
- C. It transmits information rapidly from one body part to another. ✓
- D. It provides rigidity and strength to the body framework.

Q13 General Science

What is the function of plasma in human blood?

- A. It transports food, carbon dioxide and waste materials. ✓
- B. It maintains the oxygen-rich blood supply to tissues.
- C. It helps in clotting blood during injuries.
- D. It carries oxygen from lungs to all parts of the body.

Q14 General Science

Which of the following conditions is essential for rusting of iron?

- A. Only water
- B. Dry air only
- C. Both air and water ✓
- D. Only air

Q15 General Science

Which of the following is a physical property of metals?

- A. Poor conductor of heat and brittle
- B. Form gases at room temperature
- C. Soft and break with light force
- D. Highly ductile and malleable ✓

Q16 General Science

Formula unit mass is:

- A. the sum of the atomic masses of all atoms in a formula unit of a compound ✓
- B. the sum of the number of protons of all atoms in a formula unit of a compound
- C. the sum of the number of electrons of all atoms in a formula unit of a compound
- D. the sum of the atomic number of all atoms in a formula unit of a compound

Q17 General Science

How is the work done by a force calculated?

- A. $\text{Work} = \text{force} \times \text{displacement}$ ✓
- B. $\text{Work} = \text{force} \div \text{displacement}$
- C. $\text{Work} = \text{displacement} \div \text{force}$
- D. $\text{Work} = \text{force} + \text{displacement}$

Q18 General Science

Which of the following is classified as an element?

- A. Water
- B. Copper ✓
- C. Air
- D. Salt



Q19 General Science

An object is placed 10 cm from a concave lens of focal length 15 cm. Which statement about the image is correct?

- A. Image is real, inverted and smaller than the object.
- B. Image is real, inverted and larger than the object.
- C. Image is virtual, erect and smaller than the object. ✓
- D. Image is virtual, erect and larger than the object.

Q20 General Science

Which of the following breeds of cows is resistant to diseases?

- A. Aseel
- B. Jersey
- C. Red Sindhi ✓
- D. Brown Swiss

Q21 General Science

Why are ceilings of concert halls often made curved?

- A. To reflect sound uniformly in all directions ✓
- B. To reduce the speed of sound in air
- C. To completely stop reverberation
- D. To absorb sound and reduce loudness

Q22 General Science

The Chipko Andolan refers to which of the following?

- A. Use of advanced technologies for reducing environmental pollution
- B. Government-sponsored water harvest schemes
- C. Active participation of local communities in protecting forests ✓
- D. Government-sponsored environmental protection schemes

Q23 General Science

Which of the following is NOT correct?

- A. In the electrical circuit, if the switch is open, no current flows.
- B. In the electrical circuit, the direction of current is taken from the positive to the negative terminal.
- C. In the electrical circuit, the voltmeter is connected in series with the component. ✓
- D. A bulb glows only in a closed circuit.

Q24 General Science

Select the option that balances the following reaction.



- A. $x=1, y=1, z=2$
- B. $x=2, y=2, z=1$
- C. $x=1, y=1, z=1$
- D. $x=2, y=1, z=1$ ✓

Q25 General Science

Two objects of mass 100 kg each are separated by a distance of 1 m. What will be the magnitude of the gravitational force between the two objects? (Take the value of G as $6.67 \times 10^{-11} \text{ Nm}^2/\text{kg}^2$)

- A. $6.67 \times 10^{-9} \text{ N}$
- B. $6.67 \times 10^{-7} \text{ N}$ ✓
- C. $6.67 \times 10^9 \text{ N}$
- D. $6.67 \times 10^7 \text{ N}$

Mathematics

25 Questions • Answer Key

Q26 Mathematics

The prices of articles P, Q and R are ₹280, ₹180 and ₹100, respectively. Subrata buys these articles in the ratio 3 : 4 : 5, spending a total of ₹26,780. How many articles of type Q did he buy?

- A. 40
- B. 84
- C. 52 ✓
- D. 76

Q27 Mathematics

Given $a + b + c = 15$ and $a^2 + b^2 + c^2 = 83$, find $ab + bc + ca$.

- A. 71 ✓
- B. 11
- C. 25
- D. 20



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Q28 Mathematics

The average of 8 numbers is 121. If the first 7 numbers are 35, 35, 49, 83, 102, 80 and 20, then the eighth number is:

A. 567

B. 564



C. 566

D. 557

Q29 Mathematics

Two trains 259 m and 431 m long are running in opposite directions at a speed of 52 km/h and 56 km/h, respectively. They cross each other in:

A. 22 seconds

B. 23 seconds



C. 18 seconds

D. 34 seconds

Q30 Mathematics

The arithmetic mean of the observations 35, 53, 38, 89, 71, 69, 86, 40 and 41 is:

A. 66

B. 60

C. 65

D. 58

**Q31 Mathematics**

Which of the following numbers is divisible by both 6 and 9, but not divisible by 12?

126, 252, 72, 108

A. 126



B. 252

C. 72

D. 108

Q32 Mathematics

The total cost of 10 mangoes and 13 apples is ₹134 and the cost of 4 apples is ₹13 less than that of 15 mangoes. Then find the price (in rupees) of a mango and an apple, respectively.

A. 3, 8



B. 4, 5.60

C. 3.50, 5

D. 2, 7

Q33 Mathematics

What is the least number which should be added to 539, so that the number obtained is exactly divisible by 10, 15 and 3?

A. 3

B. 1



C. 2

D. 5

Q34 Mathematics

A person sells an article for ₹3,450 and earns a profit of 15%. Find the cost price of the article.

A. ₹2,980

B. ₹3,000



C. ₹2,860

D. ₹2,900

Q35 Mathematics

In a quadrilateral MNST, $\angle M = 63^\circ$ and $\angle N = 99^\circ$. The bisectors of $\angle S$ and $\angle T$ meet at O. What is the measure of $\angle TOS$?

A. 81°



B. 94°

C. 73°

D. 87°

Q36 Mathematics

A, B and C can do a piece of work in 3, 15 and 10 days, respectively. How long (in days) will they take to do twice the same work, working together?

A. 5

B. 8

C. 12

D. 4

**Q37 Mathematics**

The salaries of X, Y and Z are in the ratio 4:18:21. If the increments of 90%, 90% and 40% are allowed, respectively, in their salaries, then what will be the new ratio of their salaries?

A. 41:173:154

B. 36:172:149

C. 38:171:147



D. 35:172:153



Q38 Mathematics

In an election between two candidates, one candidate secured 42% of the votes and was defeated by the other candidate with a margin of 416 votes. If all the votes cast were valid, what was the total number of votes polled?

- A. 2590
- B. 2615
- C. 2595
- D. 2600

**Q39 Mathematics**

The price of fuel decreases by 40%, 25% and 45% in three successive months, but increases by 55% in the fourth month. What is the percentage increase/decrease in the price of fuel in the fourth month as compared to its original price? (Round off your answer to two decimal places)

- A. Increases by 67.66%
- B. Decreases by 61.64%
- C. Decreases by 63.14%
- D. Increases by 64.75%

**Q40 Mathematics**

An agent sells a pan with a marked price of ₹6,420 at a discount of 30%. What is the selling price (in ₹) of the pan?

- A. 4,935
- B. 5,136
- C. 4,494
- D. 4,449

**Q41 Mathematics**

A shopkeeper offers the following four schemes:

- A) Two successive discounts of 39% and 8%
- B) Buy 8, get 4 free
- C) A single discount of 16%
- D) Two successive discounts of 38% and 34%

Which scheme is best for the shopkeeper?

- A. B
- B. A
- C. C
- D. D

**Q42 Mathematics**

Saloni's age is 7 years more than twice her sister Emma's age. If the sum of their ages is 25 years, how old is Emma?

- A. 8 years
- B. 5 years
- C. 6 years
- D. 7 years

**Q43 Mathematics**

The amount on a sum of ₹2,000 at 5% per annum compound interest, compounded annually, in 2 years will be:

- A. ₹3,039
- B. ₹2,205
- C. ₹2,880
- D. ₹2,886

**Q44 Mathematics**

A park, in the shape of a quadrilateral ABCD, has $\angle C = 90^\circ$, $AB = 36$ m, $BC = 42$ m, $CD = 40$ m and $AD = 36$ m. What is the area (in m^2 , rounded off to 1 decimal place) of the park?

- A. 1458.6
- B. 1548.6
- C. 1584.6
- D. 1485.6

**Q45 Mathematics**

Two pipes can fill a cistern, individually, in 96 min and 64 min, respectively. There is a pipe located at the bottom of the cistern to empty it. If all the three pipes are opened simultaneously, then the empty cistern gets filled in 48 min. How long will the pipe at the bottom of the tank take to empty the completely filled cistern if no other pipe is then open?

- A. 201 min
- B. 207 min
- C. 175 min
- D. 192 min



Q46 Mathematics

In a test, B got 50 marks while A got 75 marks, out of 120 maximum marks. What percentage of A's marks was B's marks? (Round off your answer to two decimal places)

A. 150.33%

B. 120.73%

C. 66.67%



D. 62.50%

Q47 Mathematics

Simplify $((3^2)^6)^5$ and express it as a power of 9. What is the exponent of 9?

A. 90

B. 60

C. 30



D. 10

Q48 Mathematics

A man has to cover a distance of 168 km in 18 hours. If he covers two-thirds of this distance in $\frac{4}{6}$ th of the time, then what should be his speed (in km/hr, rounded off to one decimal place) to cover the remaining distance in the time left?

A. 4.7



B. 8.8

C. 4.6

D. 8.2

Q49 Mathematics

Find the value of $\frac{\sin 30^\circ + \cos 60^\circ}{\cot 45^\circ}$.

A. $\frac{1}{2}$

B. 0

C. 2

D. 1

**Q50 Mathematics**

If a solid sphere of radius 14 cm is moulded into 8 spherical solid balls of equal radius, then find the surface area of each ball.

$\left(\text{Use } \pi = \frac{22}{7} \right)$

A. 650 cm²

B. 616 cm²



C. 600 cm²

D. 598 cm²



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Q51 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. HNRV

B. SYDG

C. UAEI

D. XDHL

**Q52** General Intelligence & Reasoning

In a certain code language, 'work fosters growth' is coded as 'hw mq pc' and 'growth with effort' is coded as 'yv ju mq'. How is 'growth' coded in that language?

A. hw

B. yv

C. pc

D. mq

**Q53** General Intelligence & Reasoning

A, B, C, D, E and F are sitting around a circular table facing the centre. B sits second to the left of C. D is an immediate neighbour of E. F sits to the immediate left of E. F sits second to the right of A. What is the position of C with respect to E?

A. Immediate left

B. Second to the right

C. Immediate right

D. Second to the left

**Q54** General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

GKI JNL MQO PTR ?

A. SEW

B. SWU

C. SUW

D. SWE

**Q55** General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

RUS 36 PSQ 40 NQO 44 LOM 48 ?

A. JLJ 51

B. JNJ 52

C. JLO 51

D. JMK 52

**Q56** General Intelligence & Reasoning

If 'A' stands for '÷', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', then what will come in place of the question mark (?) in the following equation?

120 B 15 A 5 D 18 C 22 = ?

A. 362

B. 360

C. 366

D. 364

**Q57** General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

No Fictions are Nonfictions.

All Nonfictions are Poetries.

Some Poetries are Dramas.

Conclusions:

(I): Some Fictions are Poetries.

(II): Some Nonfictions are Dramas.

A. Both conclusions (I) and (II) are true

B. Neither conclusion (I) nor (II) is true

C. Only conclusion (II) is true

D. Only conclusion (I) is true



Q58 General Intelligence & Reasoning

If 'A' stands for '+', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', then what will come in place of the question mark (?) in the following equation?

(56 A 7) B 9 D (14 A 7) B 5 C 36 A 4 D 11 = ?

A. 51

B. 42

C. 60

D. 79

Q59 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. VYP

B. ZCV

C. LOH

D. CFY

Q60 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(158, 568, 726)

(123, 402, 525)

A. (172, 263, 436)

B. (142, 265, 409)

C. (170, 382, 554)

D. (180, 203, 383)

Q61 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

123 124 127 132 139 ?

A. 148

B. 145

C. 147

D. 151

Q62 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

115 95 77 61 47 ?

A. 31

B. 38

C. 35

D. 32

Q63 General Intelligence & Reasoning

In a certain code language,
A ± B means 'A is the wife of B',
A * B means 'A is the son of B',
A ₹ B means 'A is the father of B',
and A # B means 'A is the sister of B'.

How is D related to O if 'D * R ± A ₹ C # O'?

A. Husband

B. Father

C. Son

D. Brother

Q64 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 8 6 1 3 4 1 8 9 6 8 8 6 5 7 1 9 6 9 8 1 7 8 3 8 3 3 8

(Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

A. 1

B. 4

C. 2

D. 3



Q65 General Intelligence & Reasoning

Refer to the given series and answer the question that follows. (All numbers are single digit numbers only.) Counting to be done from left to right only.

(Left) 1 3 9 3 2 6 8 3 9 6 2 2 7 7 7 3 3 7 3 8 3 5 6 5 9 6
(Right)

How many such even numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

A. 3

B. 4

C. 2



D. 1

Q66 General Intelligence & Reasoning

Z ranked 21st from the top and 39th from the bottom in his class. How many students are there in his class?

A. 60

B. 56

C. 57

D. 59

**Q67 General Intelligence & Reasoning**

What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$77 \div 12 + 252 \times 14 - 177 = ?$$

A. 1023

B. 1097

C. 1083



D. 1055

Q68 General Intelligence & Reasoning

Refer to the given series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 3 1 3 2 8 2 1 2 4 6 1 3 1 8 8 6 1 1 9 5 8 4 1 8 9 6 9
(Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

A. 5

B. 6

C. 3

D. 4

**Q69 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

13, 38, 74, 123, ?, 268

A. 183

B. 181

C. 187



D. 185

Q70 General Intelligence & Reasoning

ABHL is related to FFMP in a certain way based on the English alphabetical order. In the same way, URBB is related to ZVGF. To which of the given options is JDQN related, following the same logic?

A. OHNJ

B. OHVR



C. OBHY

D. OVBH

Q71 General Intelligence & Reasoning

Eight people – A, B, C, D, E, F, G and H, are sitting around a circular table facing the centre. Only two people sit between A and B when counted from the left of A. G sits to the immediate left of A. Only three people sit between E and G when counted from the left of E. C sits to the immediate right of D. F is not an immediate neighbour of G. Who sits second to the right of H?

A. E

B. A



C. F

D. C



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Q72 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some lamps are bulbs.
No bulb is a torch.
No bulb is a candle.

Conclusions:

(I) No lamp is a torch.
(II) Some candles are torches.

A. Both conclusions (I) and (II) follow.

B. Only conclusion (I) follows.

C. Neither conclusion (I) nor (II) follows.

D. Only conclusion (II) follows.

Q73 General Intelligence & Reasoning

In a certain code language, 'live with truth' is coded as 'xf je ak' and 'truth guides life' is coded as 'ub mr je'. How is 'truth' coded in that language?

A. je

B. mr

C. ub

D. ak

Q74 General Intelligence & Reasoning

JFBC is related to GCYZ in a certain way based on the English alphabetical order. In the same way, WSOP is related to TPLM. To which of the given options is IEAB related, following the same logic?

A. FCWF

B. FBWY

C. FAWY

D. FBXY

Q75 General Intelligence & Reasoning

In a row of 38 students facing north, Z is 12th from the left end. If G is 3rd to the right of Z, what is G's position from the right end of the line?

A. 25th

B. 22th

C. 24th

D. 27th

Q76 General Intelligence & Reasoning

Six friends, G, H, I, Q, R and S, are sitting around a circular table facing the centre of the table. Only two people sit between G and S when counted from the right of G. Only one person sits between S and I when counted from the right of I. Only three people sit between G and R. H sits to the immediate left of Q. Who sits third to the left of R?

A. I

B. H

C. G

D. Q

Q77 General Intelligence & Reasoning

Jason went on a business trip in his car. He drove west from his house for a distance of 30 km. He turned right and drove 20 km. Then, he turned left and drove 10 km, took another left and drove 40 km. He took a last left and drove 40 km before stopping. How far and in which direction should he drive to reach his house? (All turns are 90-degree turns only, unless specified.)

A. 10 km towards the north

B. 10 km towards the south

C. 20 km towards the north

D. 20 km towards the south

Q78 General Intelligence & Reasoning

Manish starts from Point Y and drives 37 km towards North. He then takes a left turn, drives 75 km, turns left and drives 69 km. He then takes a left turn and drives 52 km. He takes a left turn, drives 32 km to stop at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again? (All turns are 90-degree turns only, unless specified.)

A. 23 km towards east

B. 24 km towards west

C. 25 km towards east

D. 21 km towards west

Q79 General Intelligence & Reasoning

Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

HQ-JS-MO
FO-HQ-KM

A. CM-FO-IL

B. DM-FO-IK

C. CM-FP-IL

D. DM-FO-IL



Q80 General Intelligence & Reasoning

Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) # € % # 6 & 4 * 9 6 @ 5 % @ # © 8 # % * £ 2 (Right)

How many such numbers are there, each of which is immediately preceded by a symbol and also immediately followed by a symbol?

A. 4



B. 6

C. 8

D. 5

General Awareness

20 Questions • Answer Key

Q81 General Awareness

Which new legislation replaced outdated regulatory bodies for healthcare professions (MCI) in India, as reported in June 2025?

A. National Health Commission

B. Indian Medical Commission

C. National Medical Commission



D. National Drug Council

Q82 General Awareness

Which Ministry of the Government of India carried out the Management Effectiveness Evaluation (MEE) for 2020-2025?

A. Ministry of Rural Development

B. Ministry of Jal Shakti

C. Ministry of Agriculture

D. Ministry of Environment, Forest and Climate Change



Q83 General Awareness

Which of the following organisations won the Forward Faster Sustainability Award 2025 for Water Resilience?

A. National Thermal Power Corporation



B. Defence Research and Development Organisation

C. Council of Scientific and Industrial Research

D. Oil and Natural Gas Corporation

Q84 General Awareness

Where was the 2025 Senior National Table Tennis Championships held?

A. Thyagaraj Stadium, Delhi

B. Jawaharlal Nehru Indoor Stadium, Chennai

C. Kalinga Stadium, Bhubaneswar

D. Pandit Dindayal Upadhyay Indoor Stadium, Surat



Q85 General Awareness

In 2025, which of the following Bills was passed by Karnataka to strengthen child protection by outlawing not only child marriage but also betrothal of minors?

A. Prohibition of Child Marriage (Karnataka Amendment) Bill, 2025



B. Karnataka Minor Marriage Protection Bill, 2025

C. Karnataka Child Welfare Bill, 2025

D. Child Rights Enhancement Bill, 2025

Q86 General Awareness

Nag Mk 2 Missile has been developed by which organisation?

A. Defence Research and Development Organisation



B. Hindustan Aeronautics Limited

C. Centre for Development of Telematics

D. Indian Space Research Organisation



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Q87 General Awareness

As announced in the April 2025 Monetary Policy Committee meeting, the Reserve Bank of India aims to keep liquidity surplus close to what percentage of deposits?

A. 0.5%

B. 1% ✓

C. 1.5%

D. 2%

Q88 General Awareness

During 2025-26, India's overall goods and services exports are expected to reach _____.

A. \$2 trillion

B. \$0.5 trillion

C. \$1 trillion ✓

D. \$1.5 trillion

Q89 General Awareness

According to the UN Sustainable Development Report (SDR) 2025, what is India's SDG Index Rank and Score?

A. Rank 100 with score 66.95

B. Rank 95 with score 70.50

C. Rank 99 with score 66.95 ✓

D. Rank 109 with score 64.10

Q90 General Awareness

Which of the following DRDO-executed schemes under the 'Make in India' initiative provides grants-in-aid to Indian industries (MSMEs/start-ups) for developing defence and dual-use technologies?

A. Technology Development Fund (TDF) ✓

B. Defence Testing Infrastructure Scheme (DTIS)

C. Innovations for Defence Excellence (iDEX)

D. Aatmanirbhar Defence Innovation & Technology Initiative (ADITI)

Q91 General Awareness

The FIFA Women's World Cup 2027 will be held in:

A. Portugal

B. Brazil ✓

C. Japan

D. Uruguay

Q92 General Awareness

Which Indian city hosted the first ever three-day Fit India Carnival, a holistic health and fitness gathering festival, in March 2025?

A. New Delhi ✓

B. Dehradun

C. Bhopal

D. Mumbai

Q93 General Awareness

What is the rank of India in the Global Firepower Index 2025?

A. First

B. Fourth ✓

C. Third

D. Second

Q94 General Awareness

In which of the following Indian cities was the India-Sri Lanka Joint Military Exercise 'MITRA SHAKTI-2025' conducted?

A. Jaipur (Rajasthan)

B. Belagavi (Karnataka) ✓

C. Pune (Maharashtra)

D. Chennai (Tamil Nadu)

Q95 General Awareness

As of 1 March 2025, who became the Chairman of the Securities and Exchange Board of India?

A. Tuhin Kanta Pandey ✓

B. Ananth Narayan G

C. Madhabi Puri Buch

D. Ashwani Bhatia

Q96 General Awareness

Which tennis veteran became the first Asian male with 450 career wins by April 2025?

A. Somdev Devvarman

B. Kei Nishikori ✓

C. Prajnesh Gunneswaran

D. Yuki Bhambri



Q97 General Awareness

Which of the following summits in 2025 will be co-hosted by World Health Organization (WHO) and the Ministry of Ayush, Government of India in New Delhi, aiming to strengthen traditional medicine globally?

- A. World Traditional Medicine Congress 2025
- B. International Summit on Integrative Health 2025
- C. Global Health and Traditional Medicine Summit 2025
- D. Second WHO Global Summit on Traditional Medicine 2025 ✓

Q98 General Awareness

What is India's rank in the Global Innovation Index, 2025, published by the World Intellectual Property Organization (WIPO)?

- A. 44th
- B. 49th
- C. 30th
- D. 38th ✓

Q99 General Awareness

What was the theme of World Tuberculosis Day, 2025, observed in India on 24 March?

- A. End TB Now: Diagnose, Treat, Prevent
- B. TB Free by 2030: Global Pact
- C. Yes! We Can End TB: Commit, Invest, Deliver ✓
- D. Unite to End TB: Fund, Innovate, Act

Q100 General Awareness

Which theme was celebrated for World Malaria Day on 25 April 2025?

- A. Invest in Malaria-Free Future: Reinvest, Reimagine, Reignite
- B. Zero Malaria Starts with Me: Reinvest, Reimagine, Reignite
- C. Malaria Ends with Us: Reinvest, Reimagine, Reignite ✓
- D. Time to Beat Malaria: Reinvest, Reimagine, Reignite



General Science

25 Questions • Answer Key

Q1 General Science

Which of the following best describes the relation between a cell's shape and its role?

- A. Cell shape is random.
- B. Cell shape supports its specific function. ✓
- C. All cells are round regardless of function.
- D. All cells have the same function.

Q2 General Science

The closeness of magnetic field lines indicates:

- A. Direction of magnetic field
- B. Strength of magnetic field ✓
- C. Position of the poles
- D. Length of the magnet

Q3 General Science

We express the concentration of solution in various ways. Which of the following method is INCORRECT?

- A. Mass by volume percentage of a solution
- B. Volume by mass percentage of a solution ✓
- C. Volume by volume percentage of a solution
- D. Mass by mass percentage of a solution

Q4 General Science

Which type of bond is present between carbon atoms in saturated hydrocarbons?

- A. Single bond ✓
- B. Triple bond
- C. Both double and triple bonds
- D. Double bond

Q5 General Science

Read the given assertion (A) and reason (R) and select the most appropriate option.

(A): Oral contraceptive pills are a permanent method of contraception.

(R): They change hormone levels and prevent ovulation.

- A. Both A and R are false
- B. Both A and R are true, but R is not the correct explanation of A
- C. A is false, but R is true ✓
- D. Both A and R are true, and R is the correct explanation of A

Q6 General Science

What are the noticeable changes observed when an iron nail is placed in copper sulphate solution?

- A. The iron nail remains as it is and the blue colour of the copper sulphate solution fades.
- B. The iron nail becomes brownish in colour and the blue colour of the copper sulphate solution remains blue.
- C. The iron nail becomes brownish in colour and the blue colour of the copper sulphate solution changes to yellow.
- D. The iron nail becomes brownish in colour and the blue colour of the copper sulphate solution fades. ✓

Q7 General Science

What is the name of the fluid present inside a plant cell vacuole?

- A. Cytoplasm
- B. Protoplasm
- C. Nucleoplasm
- D. Cell sap ✓

Q8 General Science

Which statement is INCORRECT regarding mass and weight?

- A. Mass is the measure of inertia, weight is the force due to gravity.
- B. Mass has SI unit kg, weight has SI unit newton.
- C. Mass is scalar, weight is vector.
- D. Mass varies from place to place, weight remains constant. ✓



Q9 General Science

Which of the following correctly pairs a nerve type with its origin?

A. Cranial nerves – Brain



B. Spinal nerves – Heart

C. Cranial nerves – Spinal cord

D. Spinal nerves – Brain

Q10 General Science

Which statement best supports the Law of Constant Proportions?

A. Mud from two ponds containing different minerals

B. Soil from two areas with mixed organic content

C. Sand from two places with varying grain size

D. Water from two sources with identical composition

**Q11 General Science**

During energy transformation, the total energy of a system:

A. disappears completely

B. always decreases

C. remains unchanged



D. always increases

Q12 General Science

Which of the following occurs due to continuous movement of gas particles?

A. Condensation

B. Melting

C. Evaporation

D. Diffusion

**Q13 General Science**

In humans, after fertilisation, the embryo is implanted in which part of the body?

A. Fallopian tube

B. Uterus



C. Stomach

D. Ovary

Q14 General Science

Why is it advised to clean your mouth after vomiting?

A. To remove bad odour

B. To stop the spread of infection

C. To neutralise the acid and protect tooth enamel



D. To avoid dehydration

Q15 General Science

Ethanol reacts with sodium leading to the formation of sodium ethoxide with the evolution of:

A. nitrogen gas

B. chlorine gas

C. hydrogen gas



D. bromine gas

Q16 General Science

In a house, electricity is supplied at 220 V. If the maximum power consumption of the house is 11 kW, what should the rating of the main fuse be?

A. 50 A



B. 100 A

C. 20 A

D. 30 A

Q17 General Science

Megaphones, loudhailers, and shehnais are designed to:

A. focus sound waves in a particular direction



B. reduce the intensity of sound waves

C. spread sound waves equally in all directions

D. convert sound waves into electrical signals

Q18 General Science

In human females, which of the following structures carries egg from the ovary to the womb?

A. Cervix

B. Uterus

C. Fallopian tube



D. Vaginal tube



Q19 General Science

Which of the following quantities is a measure of the inertia of a body?

A. Mass



B. Weight

C. Acceleration

D. Force

Q20 General Science

Which of the following best describes a person with hypermetropia?

A. They are unable to see anything without glasses

B. Their vision is equally blurred for both near and distant objects

C. They can see nearby objects clearly but distant ones appear blurry

D. They can see faraway objects clearly but struggle to see things up close

**Q21 General Science**

Which of the following metals is least reactive?

A. Sodium

B. Gold



C. Magnesium

D. Zinc

Q22 General Science

Which of the following help in maintaining the supply of nutrients to the growing plants in the forest?

A. Secondary consumers

B. Tertiary consumers

C. Decomposers



D. Primary consumers

Q23 General Science

According to Newton's third law, action and reaction forces:

A. act on the same object at the same time

B. act on two different objects at the same time



C. act on the same object at different times

D. cancel each other out because they are equal

Q24 General Science

Which of the following mirrors is used as a shaving mirror to get a magnified image of the face?

A. Plane mirror

B. Parabolic mirror

C. Convex mirror

D. Concave mirror

**Q25 General Science**

Which of the following features are displayed by all cells under a microscope?

A. Only plasma membrane and nucleus

B. Plasma membrane, nucleus and cytoplasm

C. Only plasma membrane and cytoplasm



D. Only nucleus and cytoplasm

Mathematics

25 Questions • Answer Key

Q26 Mathematics

In a bag containing red, green and pink tokens, the ratio of red to green tokens was 15 : 19 while the ratio of pink to red tokens was 17 : 2. What was the ratio of green to pink tokens?

A. 41:260

B. 39:259

C. 37:257

D. 38:255

**Q27 Mathematics**

The largest four-digit number which, when divided by 14, 9 and 6, leaves remainder 2 in each case is:

A. 9956



B. 9998

C. 9984

D. 9948



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Q28 Mathematics

When the price of a book is reduced by 16%, its sale increases by 80%. What is the net per cent increment in the revenue?

- A. 50.6%
- B. 49.2%
- C. 48.8%
- D. 51.2%

**Q29 Mathematics**

Roshan and Anshu together invested ₹13,500 in a business. At the end of the year, out of a total profit of ₹9,000, Roshan's share was ₹1,300. What was Roshan's investment?

- A. ₹2,295
- B. ₹1,950
- C. ₹1,565
- D. ₹1,765

**Q30 Mathematics**

The ratio of the speeds of two trucks is 5 : 4. The time taken by the faster truck to cover a distance of 200 km is 2 hours less than the other. Find the speed of the slower truck.

- A. 24 km/hr
- B. 26 km/hr
- C. 20 km/hr
- D. 17 km/hr

**Q31 Mathematics**

In a zoo, there are 32 ducks, 41 sheep, 7 horses and some crows. If the total number of feet is 211 more than the number of heads, find the number of crows.

- A. 21
- B. 35
- C. 30
- D. 43

**Q32 Mathematics**

Two banks, A and B, offered loans at 3.5% and 7.5% per annum, respectively. Mohan borrowed an amount of ₹2,60,000 from each bank. Find the positive difference (in ₹) between the amounts of simple interest paid to the two banks by Mohan after 2 years.

- A. 21,800
- B. 22,300
- C. 20,300
- D. 20,800

**Q33 Mathematics**

The average of the first 9 multiples of 3 is:

- A. 15
- B. 13.5
- C. 9
- D. 3

**Q34 Mathematics**

A trader marked his goods 35% above its cost price. He then gave a discount of 15%. Find his profit percentage.

- A. 14.75%
- B. 20%
- C. 16.5%
- D. 15.25%

**Q35 Mathematics**

Which of the following options is NOT true about triangles?

- A. For a given area, the equilateral triangle has the least perimeter.
- B. If the largest side of a triangle is 4 units, then its area is less than 8 square units.
- C. There are right-angled triangles with three consecutive natural numbers as lengths of its sides.
- D. An isosceles right-angled triangle with area 50 square units has one side with length 8 units.

**Q36 Mathematics**

An article was bought for ₹4,000. Its price was marked up by 40%. Thereafter, it was sold at a discount of 20% on the marked price. What was the per cent profit on the transaction?

- A. 12%
- B. 14%
- C. 10%
- D. 11%



Q37 Mathematics

A and B working together can do a piece of work in 3 days. B alone can do the same work in 6 days. How long (in days) will A alone take to do double the work?

A. 6

B. 12



C. 15

D. 13

Q38 Mathematics

Raman's income is ₹10,200. He saves 30% of his income. If his income increases by 14% and expenditure increases by 40%, then his savings will:

A. decrease by ₹1,427

B. decrease by ₹1,428



C. increase by ₹1,430

D. increase by ₹1,429

Q39 Mathematics

The present ages of P and Q are in the ratio 9 : 8 and after 2 years from now, they will be in the ratio 10 : 9. The present age of P is:

A. 18 years



B. 8 years

C. 9 years

D. 16 years

Q40 Mathematics

The inradius of a triangle is 8 cm and the sum of the lengths of its sides is 60 cm. Find the area (in cm^2) of the triangle.

A. 280

B. 480

C. 260

D. 240

**Q41 Mathematics**

In an election between two candidates, 20% of the total votes were declared invalid. The winning candidate received 40% of the valid votes and secured 1,60,000 more valid votes than the runner-up, who received 32% of the valid votes. Find the total number of valid votes.

A. 20,00,000



B. 10,00,000

C. 12,00,000

D. 25,00,000

Q42 Mathematics

Simplify the given expression.

$$12 + \{6 \times 27 \div 3 + 2\} - (16 \div 8) \times 5$$

A. 55

B. 58



C. 57

D. 56

Q43 Mathematics

If the volume of a cylinder is 1848 cm^3 , and its height is 12 cm, find the curved surface area (in cm^2).

A. 528



B. 432

C. 476

D. 560

Q44 Mathematics

A dealer allowed a 50% discount on an article and still managed a 71% profit. Find the ratio of the cost price to the listed price.

A. 53 : 173

B. 47 : 174

C. 50 : 171



D. 49 : 173

Q45 Mathematics

A jeep travels 80 km at the speed of 40 km/hr and the next 36 km at the speed of 18 km/hr. What is its average speed (in km/hr)?

A. 33

B. 29



C. 23

D. 35



Q46 Mathematics

A typist takes 40 minutes to type 2 pages. How many pages will he type in 80 minutes?

A. 3

B. 2

C. 4



D. 1

Q47 Mathematics

The average age of 24 students of a class is 46 years. If the age of the teacher is also included, the average age of the whole group becomes 47 years. The age (in years) of the teacher is:

A. 73

B. 71



C. 74

D. 70

Q48 Mathematics

4 men can complete a piece of work in 8 days while 2 women can do it in 10 days. In how many days can 5 women and 8 men complete it?

A. 2



B. 7

C. 6

D. 4

Q49 Mathematics

The value of the expression $\frac{8}{4.5^3 - 0.5^3} \times (4.5 \times 4.5 + 0.25 + 4.5 \times 0.5)$ is _____.

A. 1

B. 2



C. 8

D. 4

Q50 Mathematics

What is the value of $\frac{1 + \tan^2 \theta}{1 + \cot^2 \theta}$?

A. $\tan^2 \theta$



B. $\cot^2 \theta$

C. $\operatorname{cosec}^2 \theta$

D. $\tan \theta$



Q51 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. QUW

B. HMN ☒

C. LPR

D. DHJ

Q52 General Intelligence & Reasoning

Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

YAB-XZA

TVW-SUV

A. IKL-GJJ

B. IJJ-HJK

C. IKL-HJK ☒

D. IJJ-GIJ

Q53 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some dogs are birds.

All birds are pets.

Conclusions:

(I): Some pets are not dogs.

(II): Some dogs are pets.

A. Only conclusion (I) follows

B. Neither conclusion (I) nor (II) follows

C. Both conclusions (I) and (II) follow

D. Only conclusion (II) follows ☒**Q54** General Intelligence & Reasoning

Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

BCG-FGK

WXB-ABF

A. FGK-IKN

B. FFI-JKO

C. FGK-JKO ☒

D. FFI-IJN

Q55 General Intelligence & Reasoning

Refer to the following number, symbol series and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers.)

(Left) 2 6 & 2 9 5 5 € 1 \$ 1 6 @ & € # 3 @ £ % 4 9 (Right)

How many such symbols are there each of which is immediately preceded by a number and also immediately followed by a symbol?

A. Two ☒

B. One

C. Three

D. Four

Q56 General Intelligence & Reasoning

A, B, C, R, S, T and U are sitting around a circular table facing the centre of the table. Only two people sit between S and C when counted from the right of S. Only two people sit between C and U when counted from the left of U. Only three people sit between S and B when counted from the left of B. R sits to the immediate left of T. Who sits third to the left of A?

A. B

B. C

C. R

D. T ☒**Q57** General Intelligence & Reasoning

Which numbers should come in place of the question mark (?) in the following series so that it can complete logically?

5, 15, 27, 41, 57, ?

A. 75 ☒

B. 76

C. 80

D. 82



Q58 General Intelligence & Reasoning

If + means $\times$, $\times$ means $\div$ and $\div$ means +, then what will come in place of the question mark (?) in the following equation?

$$18 - 8 \div 4 + 64 \times 16 = ?$$

A. 144



B. 142

C. 146

D. 148

Q59 General Intelligence & Reasoning

In a certain code language, 'ROME' is coded as '2347' and 'BERM' is coded as '7254'. What is the code for 'B' in the given code language?

A. 5



B. 7

C. 4

D. 2

Q60 General Intelligence & Reasoning

Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. Only four boxes are kept between A and E. Only C is kept above A. Only two boxes are kept between G and F. B is kept immediately above D. F is not kept immediately above B.

How many boxes are kept below B?

A. 4

B. 3



C. 2

D. 1

Q61 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. NK - DB



B. AY-QO

C. QO-GE

D. MK - CA

Q62 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 - Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(46, 23, 32)

(72, 36, 45)

A. (194, 97, 105)

B. (98, 49, 58)



C. (156, 78, 88)

D. (162, 81, 92)

Q63 General Intelligence & Reasoning

Refer to the given number, symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) * 3 © £ % 2 7 3 © £ & @ 5 @ 3 3 @ * @ \$ 4 (Right)

How many such numbers are there, each of which is immediately preceded by a number and also immediately followed by a symbol?

A. One

B. Two



C. Three

D. Four

Q64 General Intelligence & Reasoning

In a certain code language,
A + B means 'A is the son of B',
A - B means 'A is the brother of B',
A x B means 'A is the wife of B',
A ÷ B means 'A is the father of B'.

Based on the above, how is D related to J if 'D ÷ F - G x H + J'?

A. Son's wife's father



B. Son's wife's brother

C. Wife's father

D. Wife's brother



Q65 General Intelligence & Reasoning

CFRT is related to GK VY in a certain way based on the English alphabetical order. In the same way, SZHN is related to WELS. To which of the given options is EOTC related, following the same logic?

A. ITBH

B. ITXD

C. IXDE

D. ITXH

**Q66 General Intelligence & Reasoning**

Bhaskar starts from Point A and drives 11 km towards north. He then takes a right turn, drives 4 km, turns right and drives 5 km. He then takes a left turn and drives 9 km. He takes a final right turn, drives 6 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified)

A. 13 km towards south

B. 11 km towards west

C. 17 km towards north

D. 13 km towards west

**Q67 General Intelligence & Reasoning**

Sonu starts from point A and drives 61 km towards west. He then takes a left turn, drives 67 km, turns left and drives 67 km. He then takes a left turn and drives 80 km. He takes a final left turn, drives 6 km and stops at point P. How far (shortest distance) and towards which direction should he drive in order to reach point A again?

(Note: All turns are 90° turns only unless specified.)

A. 12 km to the south

B. 10 km to the north

C. 11 km to the north

D. 13 km to the south

**Q68 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

100 85 70 55 40 ?

A. 24

B. 25



C. 22

D. 23

Q69 General Intelligence & Reasoning

Five people, A, B, C, D and E are sitting in a row, facing north. A sits at the extreme right end of the line. D sits to the immediate left of A. B sits between C and E. How many people sit between A and B?

A. 0

B. 3

C. 2



D. 1

Q70 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 6 4 3 2 7 6 4 9 9 6 5 4 9 7 6 8 3 5 1 5 1 2 4 8 9 (Right)

How many such odd numbers are there, each of which is immediately preceded by an even number and also immediately followed by an even number?

A. Two

B. One

C. Four

D. Three

**Q71 General Intelligence & Reasoning**

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:

All diamonds are stones.

No diamond is a necklace.

Conclusion (I): Some stones are diamonds.

Conclusion (II): No stone is a necklace.

A. Only conclusion (I) follows.



B. Only conclusion (II) follows.

C. Both conclusions (I) and (II) follow.

D. Neither conclusion (I) nor (II) follows.



Q72 General Intelligence & Reasoning

What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$116 \div 9 + 427 \times 7 - 13 = ?$$

A. 923

B. 934

C. 996



D. 985

Q73 General Intelligence & Reasoning

Seven people, B, C, D, I, J, K and L, are sitting in a straight line facing north. Only three people sit between B and K. C sits to the immediate left of K. No one sits to the right of L. Only one person sits between L and K. J sits to the immediate right of D. How many people sit between I and J?

A. One

B. Two



C. Three

D. Four

Q74 General Intelligence & Reasoning

If 'A' stands for '÷', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will come in place of question mark '?' in the following equation?

$$9 B 14 C 196 A 7 D 24 = ?$$

A. 142

B. 137

C. 131

D. 130

**Q75 General Intelligence & Reasoning**

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

CMN101, KUV82, SCD63, AKL44, ?

A. IWT25

B. ISE25

C. MST25

D. IST25

**Q76 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

1011 1010 1020 1019 1029 1028 ?

A. 1036

B. 1040

C. 1034

D. 1038

**Q77 General Intelligence & Reasoning**

Refer to the following number series and answer the question that follows (all numbers are single digit numbers only). (Counting to be done from left to right only.)

(Left) 3 3 3 4 9 8 9 1 2 2 5 5 1 3 1 4 4 1 5 8 2 2 6 3 7 6
(Right)

How many such odd numbers are there each of which is immediately preceded by an odd number and also immediately followed by an even number?

A. 4

B. 5



C. 7

D. 6

Q78 General Intelligence & Reasoning

In a certain code language, 'zebra rain union' is coded as 'ds cm oh' and 'video union oven' is coded as 'ng oa cm'. How is 'union' coded in that language?

A. cm



B. ds

C. ng

D. oh

Q79 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?
GPM ENK CLI AJG ?

A. ZHE

B. CHI

C. YLI

D. YHE



Q80 General Intelligence & Reasoning

Seven boxes, B, C, D, I, J, K and L, are kept one over the other but not necessarily in the same order. Only I is kept above L. Only three boxes are kept between I and B. Only K is kept below C. D is kept immediately above B. How many boxes are kept between J and K?

- A. One
- B. Four
- C. Two
- D. Three

**General Awareness**

20 Questions • Answer Key

Q81 General Awareness

Who among the following became the youngest Formula 1 driver to win three races in a row in 2025?

- A. George Russell
- B. Lando Norris
- C. Kimi Antonelli
- D. Max Verstappen

**Q82 General Awareness**

Who was awarded the Padma Bhushan in 2025 for his contributions to Indian hockey?

- A. Harvinder Singh
- B. Satyapal Singh
- C. IM Vijayan
- D. PR Sreejesh

**Q83 General Awareness**

What was India's rank among the most polluted countries in the World Air Quality Report 2024, released in March 2025?

- A. 7th
- B. 1st
- C. 3rd
- D. 5th

**Q84 General Awareness**

In June 2025, which of the following states increased the quota for minorities under its housing schemes from 10% to 15%?

- A. Gujarat
- B. Assam
- C. Kerala
- D. Karnataka

**Q85 General Awareness**

The Constitution (Scheduled Tribes) Order (Fourth Amendment) Bill, 2022, seeks to amend the Constitution (Scheduled Tribes) Order, 1950, with respect to its application to which state?

- A. Karnataka
- B. Telangana
- C. Kerala
- D. Odisha

**Q86 General Awareness**

Which of the following features is a major design focus for the Zorawar tank?

- A. Submarine detection system
- B. Stealth technology for naval use
- C. Nuclear warhead capability
- D. Amphibious capability and lightweight design

**Q87 General Awareness**

In March 2025, Operation Brahma was launched by the NDRF to rescue earthquake victims of which country?

- A. Myanmar
- B. Sri Lanka
- C. Nepal
- D. Bhutan



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Q88 General Awareness

In which city were the 2025 World Aquatics Championships held?

- A. Canada
- B. United Arab Emirates
- C. Japan
- D. Singapore

**Q89 General Awareness**

As announced in 2025, the headquarters of the International Big Cat Alliance (IBCA) will be established in:

- A. New Zealand
- B. South Africa
- C. India
- D. Brazil

**Q90 General Awareness**

Which of the following age groups was highlighted at the Summer Book Writing Festival 2025?

- A. Retired teachers
- B. School students aged 8 and above
- C. School students aged 6 and above
- D. Authors aged between 18 and 26

**Q91 General Awareness**

In which state was the 'Viksit Krishi Sankalp Abhiyan (VKSA)' launched by the Union Agriculture Minister Shivraj Singh Chouhan, in May 2025?

- A. Odisha
- B. Uttar Pradesh
- C. Telangana
- D. Rajasthan

**Q92 General Awareness**

Who among the following Indians set a javelin throw record of 84.39 m at National Games 2025?

- A. Annu Rani
- B. Neeraj Chopra
- C. Shivpal Singh
- D. Sachin Yadav

**Q93 General Awareness**

Which of the following countries had awarded Prime Minister Narendra Modi its highest civilian honour in June 2025?

- A. France
- B. Italy
- C. Greece
- D. Cyprus

**Q94 General Awareness**

In July 2025, which international city was in the spotlight for hosting the 17th BRICS Summit?

- A. Rio de Janeiro
- B. Johannesburg
- C. New Delhi
- D. Beijing

**Q95 General Awareness**

In news in 2025, MISHTI scheme for ecological and community sustainability stands for:

- A. Mangrove Initiative for Shoreline Habitats and Tangible Incomes
- B. Mission for Inland Sustainable Tree Harvesting and Innovation
- C. Marine Initiative for Sustainable Habitat and Income
- D. Mangrove Improvement Scheme for Health and Technology Integration

**Q96 General Awareness**

Which of the following is a major application of 3D bioprinting demonstrated at MSU Vadodara in 2025?

- A. Weather forecasting models
- B. Satellite communication systems
- C. Regenerative medicine and tissue engineering
- D. Blockchain-based financial transactions

**Q97 General Awareness**

At the 78th World Health Assembly in May 2025, how many countries voted in favour of the historic WHO Pandemic Agreement?

- A. 108 countries
- B. 119 countries
- C. 132 countries
- D. 124 countries



Q98 General Awareness

What is the theme of the 11th International Day of Yoga 2025?

A. Do Yoga for Good Health

B. Yoga and Our Health

C. Yoga for One Earth, One Health



D. Do Yoga for Long Life

Q99 General Awareness

The Reserve Bank of India revised Priority Sector Lending (PSL) guidelines for Small Finance Banks from FY 2025–26, reducing the PSL target to what percentage of ANBC (adjusted net bank credit) or Credit Equivalent of Off-Balance Sheet Exposures (CEOBE)?

A. 60%



B. 50%

C. 40%

D. 30%

Q100 General Awareness

Dassault Aviation and Reliance Aerostructure Limited (RAL), in June 2025, announced at Paris Air Show execution of an agreement to manufacture which of the following in India for the Global Market by 2028?

A. Falcon 4000 LXS Business Executive Jets

B. Falcon 1000 LXS Business Executive Jets

C. Falcon 3000 LXS Business Executive Jets

D. Falcon 2000 LXS Business Executive Jets



General Science

25 Questions • Answer Key

Q1 General Science

What will be the change in kinetic energy of the particles of solid if temperature is increased?

- A. Kinetic energy increases. ✓
- B. Kinetic energy decreases.
- C. Kinetic energy becomes zero.
- D. Kinetic energy remains same.

Q2 General Science

Which of the following is a chemical change?

- A. Melting of ice
- B. Rusting of iron ✓
- C. Cutting of paper
- D. Dissolving salt in water

Q3 General Science

Which of the following is NOT a combination reaction?

- A. $C + O_2 \rightarrow CO_2$
- B. $2Mg + O_2 \rightarrow 2MgO$
- C. $HCl + NaOH \rightarrow NaCl + H_2O$ ✓
- D. $N_2 + 3H_2 \rightarrow 2NH_3$

Q4 General Science

Which of the following is a correct match of tissue type and its example?

- A. Connective tissue – Blood ✓
- B. Muscular tissue – Neurons
- C. Nervous tissue – Muscles
- D. Epithelial tissue – Blood

Q5 General Science

Which of the following is a general property of ionic compounds?

- A. They exist as molecules and have weak interatomic forces
- B. They are brittle and conduct electricity in molten or aqueous state ✓
- C. They are insoluble in water and conduct electricity in solid state
- D. They are soft and have low melting points

Q6 General Science

What is the role of a fuse in an electric circuit?

- A. To break the circuit if the current exceeds a safe level, preventing damage ✓
- B. To increase the current when needed
- C. To not break the circuit if the current exceeds a safe level
- D. To cool down the wires during overheating

Q7 General Science

The gravitational constant (G) was first measured by _____.

- A. Newton
- B. Galileo
- C. Cavendish ✓
- D. Kepler

Q8 General Science

Which of the following DOES NOT use the concept of multiple reflection of sound waves?

- A. Vibrating tuning fork ✓
- B. Trumpet
- C. Stethoscope
- D. Megaphones

Q9 General Science

The image formed on the retina of the human eye is _____.

- A. real and inverted ✓
- B. real and erect
- C. virtual and erect
- D. virtual and inverted

Q10 General Science

Which of the following is a typical physical property of a metal?

- A. Non-lustrous
- B. Poor conductor of electricity
- C. Brittle
- D. Malleable ✓



Q11 General Science

A gardener wants to grow stronger plants with better fruit. Which pollination method should they encourage?

- A. Geitonogamy
- B. Self-pollination
- C. Cross-pollination ✓
- D. Test Pollination

Q12 General Science

What is the term used for the refractive index of a medium when medium 1 is specified as vacuum or air?

- A. Absolute refractive index ✓
- B. Relative refractive index
- C. Comparative refractive index
- D. Optical density

Q13 General Science

Which statement correctly distinguishes between plant and animal tissues?

- A. Animal tissues are mostly dead, while plant tissues are mostly living
- B. Both plant and animal tissues have equal growth throughout the body
- C. Plant tissues have dead supportive cells, while animal tissues are mostly living ✓
- D. Plant tissues have no supportive structure, while animals lack living tissues

Q14 General Science

When a gun is fired, the bullet moves forward, and the gun recoils backward. This is an example of _____.

- A. Newton's First Law of Motion
- B. Newton's Third Law of Motion ✓
- C. Newton's Second Law of Motion
- D. Law of Conservation of Energy

Q15 General Science

In which of the following metals will the rate of formation of bubbles be fastest when it reacts with dil. HCl?

- A. Fe
- B. Al
- C. Mg ✓
- D. Zn

Q16 General Science

A special tissue through which the foetus receives nutrition is called which of the following?

- A. Placenta ✓
- B. Uterus
- C. Cervix
- D. Fallopian tube

Q17 General Science

In what way do insect pests negatively impact crop yield?

- A. By enriching the soil with nutrients
- B. By supporting flower formation
- C. By damaging roots, stems, and fruits of plants ✓
- D. By spreading seeds to new areas

Q18 General Science

Why are micro-nutrients important for plants?

- A. They support essential functions even in small amounts. ✓
- B. They increase the size of the plant roots.
- C. They are only needed for decorative plants.
- D. They help in the absorption of sunlight.

Q19 General Science

Which rule is used to find the direction of force on a current-carrying conductor?

- A. Fleming's left-hand rule ✓
- B. Fleming's right-hand rule
- C. Ohm's law
- D. Lenz's law

Q20 General Science

Kamali spends a lot of time studying for examinations, including reading books and organising thoughts. Why would a scientist argue that this 'hard work' involves very little 'work' in the scientific sense?

- A. Because energy is conserved, so work done must be zero.
- B. Because displacement is necessary, and studying involves zero or minimal physical displacement of the body. ✓
- C. Because mental effort does not involve force.
- D. Because the activity is considered useful physical labour.



Q21 General Science

Galvanisation is a method of protecting steel and iron from rusting by coating them with a thin layer of:

- A. copper
- B. zinc ✓
- C. magnesium
- D. aluminium

Q22 General Science

According to the Law of Constant Proportions, water (H_2O) will always contain hydrogen and oxygen in the mass ratio of:

- A. 1:2
- B. 1:8 ✓
- C. 8:1
- D. 2:1

Q23 General Science

Which of the following is a characteristic feature of meristematic cells?

- A. Thick walls and large vacuoles
- B. Thin walls with lignin deposits
- C. Dead cells with empty spaces
- D. Dense cytoplasm and lack of vacuoles ✓

Q24 General Science

In the male reproductive system, where does sperm formation take place?

- A. Seminal vesicles
- B. Scrotum
- C. Vas deferens
- D. Testes ✓

Q25 General Science

A particle moves along a straight line. The particle covers displacement of 40 m in 8 seconds. What is its average velocity?

- A. 4 m/s
- B. 40 m/s
- C. 5 m/s ✓
- D. 8 m/s

Mathematics

25 Questions • Answer Key

Q26 Mathematics

If the perimeter of a rectangle is 500 cm and its length is 1.5 times its breadth, then find the area of the rectangle (in cm^2).

- A. 12,500
- B. 16,400
- C. 15,000 ✓
- D. 22,500

Q27 Mathematics

An article is marked at ₹2,000. A shopkeeper offers a discount of 25% on the article. What is the selling price of the article after the discount?

- A. ₹1,400
- B. ₹1,600
- C. ₹1,500 ✓
- D. ₹1,200

Q28 Mathematics

Poonam, Qasim and Rina invest ₹1,92,000, ₹1,20,000, and ₹88,000, respectively to start a business. If the profit at the end of the year is ₹4,93,600, then what is the share of Rina in the profit?

- A. ₹1,08,594
- B. ₹1,08,595
- C. ₹1,08,592 ✓
- D. ₹1,08,591



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Q29 Mathematics

In quadrilateral PQRS, the bisectors of $\angle R$ and $\angle S$ meet at the point T (inside the quadrilateral) and $\angle STR = 24^\circ$. If the ratio of $\angle P$ to $\angle Q$ is $5 : 7$, then what is the difference between the measures of $\angle Q$ and $\angle P$?

- A. 13°
- B. 16°
- C. 8°
- D. 12°

**Q30 Mathematics**

Kanchan spends 60% of her income. If she saves ₹90,000, then her income (in ₹) is:

- A. 2,25,000
- B. 54,000
- C. 2,26,000
- D. 2,24,000

**Q31 Mathematics**

P and Q together can fill a cistern with water in 6 hours. If P alone can fill the cistern with water in 24 hours, then in how many hours will Q alone fill one-fourth of the same cistern with water?

- A. 2
- B. 4
- C. 5
- D. 3

**Q32 Mathematics**

A man buys a car for ₹3,00,000, spends ₹30,000 on modifications and sells it at 5% loss. What is the selling price?

- A. ₹3,13,500
- B. ₹3,15,500
- C. ₹3,17,500
- D. ₹3,11,500

**Q33 Mathematics**

The monthly incomes of two friends Chetan and Vipul are in the ratio $5 : 9$ respectively and each of them saves ₹45,000 every month. If the ratio of their monthly expenditure is $2 : 4$, then find the monthly income of Chetan (in ₹).

- A. 2,26,000
- B. 3,15,000
- C. 2,24,000
- D. 2,25,000

**Q34 Mathematics**

The value of $3\tan^2x - 3\sec^2x + 4$ is equal to:

- A. 3
- B. 1
- C. 2
- D. 0

**Q35 Mathematics**

What is the smallest value of a in the number a3724, so that the number formed is divisible by 3?

- A. 1
- B. 4
- C. 2
- D. 3

**Q36 Mathematics**

Pipe A can fill a tank in 6 minutes, while pipe B can empty the completely filled tank in 12 minutes. Initially, pipe A is opened and after 2 minutes pipe B is also opened. In how much time (in minutes) will the remaining tank be filled completely?

- A. 19
- B. 8
- C. 2
- D. 9

**Q37 Mathematics**

A father is currently four times as old as his son. Eighteen years from now, the father will be twice as old as his son. What is the father's present age?

- A. 45 years
- B. 40 years
- C. 49 years
- D. 36 years



Q38 Mathematics

A packaging company requires cardboard for two sizes of rectangular boxes. The larger box measures 30 cm × 25 cm × 10 cm, and the smaller one measures 18 cm × 12 cm × 10 cm. An additional 6% of the total surface area is needed for overlaps. If cardboard costs ₹45 per 10,000 cm², calculate the total cost (in ₹, rounded off to the nearest hundreds) of cardboard needed to produce 400 big boxes and 500 small boxes.

A. 7,400



B. 7,500

C. 7,600

D. 7,200

Q39 Mathematics

A car travels 209 km in the first hour and 83 km in the second hour. What is the average speed (in km/hr) of the car for the whole journey?

A. 142

B. 150

C. 141

D. 146

**Q40 Mathematics**

The mode and median of a data are 27.6 and 28, respectively. What is the mean of the data? (Use empirical formula.)

A. 31.9

B. 32.7

C. 28.2



D. 20.6

Q41 Mathematics

The amount on a sum of ₹3,600 at 10% per annum compound interest, compounded annually, in 2 years will be:

A. ₹4,356



B. ₹3,863

C. ₹4,389

D. ₹5,217

Q42 Mathematics

If the radius of the base of a right circular cylinder is decreased by 28% and its height is increased by 114%, then what is the percentage increase (rounded off to the nearest integer) in its volume?

A. 11%



B. 13%

C. 21%

D. 1%

Q43 Mathematics

₹1,386 is divided among Vinod, Kajal, and Arpit in such a way that if ₹7, ₹41, and ₹12 be deducted from their respective shares, they have money in the ratio 4 : 10 : 12. Find the actual share of Kajal.

A. ₹610

B. ₹551



C. ₹460

D. ₹410

Q44 Mathematics

The cost of a washing machine is 26% less than the cost of a TV. If the cost of the washing machine increases by 86% and that of the TV decreases by 38%, then what is the percentage change in the total cost of 8 washing machines and 4 TVs?

A. Increase by 36%



B. Increase by 38%

C. Decrease by 29%

D. Decrease by 30%

Q45 Mathematics

The marked price of a painting was ₹3,800, but the shopkeeper offered a double discount in a successive manner of 22% and 25%. Ultimately for how much did he sell the item?

A. ₹2,236

B. ₹2,059

C. ₹2,223



D. ₹2,302



Q46 Mathematics

The mode of the observations 1, 1, 8, 3, 1, 3, 4, 3, 9, 9, 4, 3, 2, 2 and 6 is:

A. 8

B. 5

C. 3



D. 1

Q47 Mathematics

Solve: $\frac{(112 + 99)^2 + (112 - 99)^2}{112 \times 112 + 99 \times 99}$

A. 4

B. 2



C. 3

D. 1

Q48 Mathematics

Simplify the following expression for $k = 2$ and $m = 1$.

$$\frac{8^k \times 18^m \times 10^{k+m}}{4^{k+m} \times 27^m \times 5^{2k}}$$

A. $1\frac{7}{15}$

B. $1\frac{4}{15}$

C. $1\frac{8}{15}$

D. $1\frac{1}{15}$

**Q49 Mathematics**

What is the value of $4.05 \times \left(\frac{24\frac{3}{5} + 3.2}{8.34} \right)$?

A. 15.3

B. 13.5



C. 15.4

D. 14,5



Q50 Mathematics

Walking at $\frac{5}{6}$ of his normal speed from his home, Tarun is 16 minutes late in reaching his office.

The usual time taken by him to cover the distance between his home and his office is:

A. 80 minutes



B. 86 minutes

C. 70 minutes

D. 72 minutes

General Intelligence & Reasoning

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(8, 3, 25)

(5, 4, 21)

A. (4, 6, 23)

B. (7, 3, 22)



C. (6, 4, 17)

D. (3, 7, 25)

Q52 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. PXZD

B. ZHIM



C. SACG

D. TBDH

Q53 General Intelligence & Reasoning

Six people, A, B, C, D, E and F, are sitting in a row, facing north. A sits to the immediate left of B. C sits third to the left of B. D is an immediate neighbour of B. F sits to the immediate right of C. D sits to the immediate left of E. Who sits at the extreme right end of the row?

A. F

B. E



C. B

D. D

Q54 General Intelligence & Reasoning

In a certain code language, 'LEMA' is coded as '4679' and 'ACME' is coded as '5946'. What is the code for 'C' in that language?

A. 9

B. 5



C. 4

D. 6

Q55 General Intelligence & Reasoning

Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north. Only A sits to the left of D. Only four people sit between A and B. Only C sits between E and F and E is not an immediate neighbour of B. How many people sit to the right of F?

A. 2



B. 3

C. 4

D. 1



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Q56 General Intelligence & Reasoning

Seven boxes, L, M, N, O, Q, R and S, are kept one over the other, but not necessarily in the same order. Only three boxes are kept below L. Only two boxes are kept between L and M. Only Q is kept above S. R is kept at some place below O and at some place above N. Which box is kept at the second position from the bottom?

A. R

B. O

C. M

D. N

**Q57 General Intelligence & Reasoning**

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some Fictions are Nonfictions.

Some Nonfictions are Poetries.

All Poetries are Dramas.

Conclusion (I): Some Nonfictions are Dramas.

Conclusion (II): Some Fictions are Dramas.

A. Only conclusion (II) follows.

B. Both conclusions (I) and (II) follow.

C. Neither conclusion (I) nor (II) follows.

D. Only conclusion (I) follows.

**Q58 General Intelligence & Reasoning**

A, B, C, D, E and F are sitting around a circular table, facing the centre. D sits third to the right of F. B sits second to the left of D. E sits second to the right of A. C sits to the immediate right of E. How many people sit between D and C, when counted from the left of C?

A. None

B. Two

C. One



D. Four

Q59 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

41 51 62 74 87 ?

A. 102

B. 100

C. 103

D. 101

**Q60 General Intelligence & Reasoning**

In a certain code language,

A ± B means 'A is the wife of B',

A * B means 'A is the sister of B',

A ₹ B means 'A is the father of B' and

A # B means 'A is the brother of B'.

How is D related to O if 'D ± R ₹ A # C * O'?

A. Mother



B. Daughter

C. Sister

D. Wife

Q61 General Intelligence & Reasoning

Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

ND – RH – VL

LB – PF – TJ

A. TW – YZ – SY

B. RM – UT – PR

C. QG – UK – YO



D. HK – LN – FL

Q62 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

6 19 33 48 64 ?

A. 84

B. 79

C. 85

D. 81



Q63 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

SWO IME YCU OSK ?

A. EIA



B. EAI

C. EAW

D. EAS

Q64 General Intelligence & Reasoning

Each of the digits in the number 59643127 is arranged in ascending order from left to right. What will be the sum of the digits that are second from the left and third from the right in the new number thus formed?

A. 13

B. 12

C. 8



D. 11

Q65 General Intelligence & Reasoning

What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$64 + (20 \times 4) \div 7 - 35 \times 5 + 8 \div 2 = ?$$

A. 12

B. 36

C. 44

D. 20

**Q66 General Intelligence & Reasoning**

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements: All guns are bullets. All bullets are pistols.

Conclusion (I): All guns are pistols.

Conclusion (II): Some pistols are bullets.

A. Only conclusion (I) follows.

B. Neither conclusion (I) nor (II) follows.

C. Only conclusion (II) follows.

D. Both conclusions (I) and (II) follow.

**Q67 General Intelligence & Reasoning**

Fawad starts from Point A and drives 13 km towards north. He then takes a right turn, drives 11 km, turns right and drives 14 km. He then takes a right turn and drives 12 km. He takes a final right turn, drives 1 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again?

(Note: All turns are 90° turns only unless specified.)

A. 2 km to the east

B. 1 km to the east



C. 3 km to the east

D. 4 km to the east

Q68 General Intelligence & Reasoning

In a certain code language, 'send this reel' is coded as 'bh ut df' and 'send me money' is coded as 'hj mp bh'. How is 'send' coded in the given language?

(All codes are two-letter codes)

A. ut

B. bh



C. df

D. mp

Q69 General Intelligence & Reasoning

Refer to the given series and answer the question that follows (All numbers are single digit numbers only.) Counting to be done from left to right only.

(Left) 8 1 8 4 3 2 9 5 8 7 7 6 5 5 3 6 2 1 5 8 7 6 1 6 1 3 3
(Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

A. 6

B. 5

C. 4



D. 3



Q70 General Intelligence & Reasoning

This question is based on the five, three-digit numbers given below.

(Left) 458 569 248 671 349 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

Note: All operations to be done from left to right.

If 2 is added to the first digit of every number, in how many numbers will the first digit be exactly divisible by the second digit?

A. One



B. Two

C. Four

D. Three

Q71 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 6 9 2 7 3 5 7 5 9 4 3 1 6 7 5 5 7 4 8 1 1 8 6 9 1 1 6 (Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

A. 9

B. 7



C. 6

D. 8

Q72 General Intelligence & Reasoning

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

ANP : VRK

QVF : LZA

A. NDX : KHU

B. CUE : AYC

C. GDV : BHQ



D. WGD : SLZ

Q73 General Intelligence & Reasoning

Refer to the given series and answer the question the follows. (All numbers are single digit numbers only.) Counting to be done from left to right only.

(Left) 8 8 8 3 6 8 4 8 7 9 9 2 7 7 4 6 7 8 5 8 4 2 9 5 4 8 7 (Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

A. 5

B. 4

C. 3



D. 2

Q74 General Intelligence & Reasoning

Seven boxes A, B, C, D, P, Q and R are kept one over the other but not necessarily in the same order. Only four boxes are kept between R and B. Only Q is kept above R. Only two boxes are kept between A and P. D is kept immediately above C. P is not kept immediately above D. Which box is kept fourth from the top?

A. Q

B. D



C. A

D. C

Q75 General Intelligence & Reasoning

Select the pair that follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.

HJI-GIH

EGF-DFE

A. GIH-EHF

B. GHF-EGF

C. GHF-FHG

D. GIH-FHG



Q76 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. OPU

B. LMR

C. RSW



D. ABG

Q77 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

USO 48 NLH 39 GEA 30 ZXT 21 ?

A. SQM 12



B. SPL 11

C. SRL 12

D. SWB 11

Q78 General Intelligence & Reasoning

If + means -, - means ×, × means ÷, and ÷ means +, then what will come in place of the question mark (?) in the following equation?

$$48 \times 4 + 7 - 3 \div 14 = ?$$

A. 8

B. 5



C. 13

D. 1

Q79 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

8 ? 14 22 38 70

A. 11

B. 10



C. 13

D. 12

Q80 General Intelligence & Reasoning

A man is standing near a pond and is facing north. First, he turns 90 degrees clockwise, then 45 degrees anticlockwise. Finally, he turns 135 degrees clockwise. In which direction is the man facing now?

A. East

B. South



C. North

D. West

General Awareness

20 Questions • Answer Key

Q81 General Awareness

Who set a new world record in the men's 100 m freestyle swimming at Olympic Games Paris, 2024?

A. Kyle Chalmers

B. Tom Dean

C. Pan Zhanle



D. David Popovici

Q82 General Awareness

Who among the following is the head of the 7-member committee set up by the Insurance Regulatory and Development Authority of India (IRDAI) in February 2025 to examine and suggest amendments to the Insurance Act, 1938?

A. TS Vijayan

B. Dinesh Khara



C. Swaminathan Janakiraman

D. Ajay Tyagi



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Q83 General Awareness

As reported on 31 March 2025, which among the following wildlife sanctuaries added 63 new species, as revealed by its faunal survey conducted by the Forest Department?

A. Karimpuzha Wildlife Sanctuary



B. Chinnar Wildlife Sanctuary

C. Kheoni Wildlife Sanctuary

D. Amchang Wildlife Sanctuary

Q84 General Awareness

What was the unemployment rate among youth aged 15-29 in rural areas in May 2025, as per the PLFS?

A. 15.2%

B. 13.7%



C. 10.5%

D. 17.9%

Q85 General Awareness

The Ministry of Minority Affairs launched the Skilling and Women Entrepreneurship Development project at the Indian Institute of Information Technology (IIIT) Kottayam in July 2025 to train minority youth and women in which of the following fields?

A. Agriculture and organic farming

B. Banking and financial literacy

C. Internet of Things (IoT) and leadership skills



D. Artificial intelligence and robotics

Q86 General Awareness

In August 2025, who assumed charge as the Director General of the Railway Protection Force (RPF), becoming the first woman to head the 143-year-old central security force?

A. Sonali Mishra



B. Rashmi Shukla

C. Nina Singh

D. Archana Ramasundram

Q87 General Awareness

During the nationwide "Seva Parv" campaign held from September 17 to October 2, 2025, which state pledged to plant 15 lakh saplings to promote environmental sustainability?

A. Gujarat

B. Chhattisgarh

C. Uttar Pradesh



D. Assam

Q88 General Awareness

What was India's global rank in the aviation market according to the International Aviation Data 2024 report released in 2025?

A. 3rd

B. 4th

C. 5th



D. 6th

Q89 General Awareness

The National Cooperation Policy, 2025, aims to make cooperatives key drivers for Viksit Bharat 2047 through

A. Sabka Saath, Sabka Vikas

B. Shakti-se-Shraddha

C. Sahkar-se-Samridhi



D. Sashakt Bharat, Saksham Nagrik

Q90 General Awareness

In January 2025, which two organisations signed a Memorandum of Understanding (MoU) for effective implementation of requirements of the Prevention of Money Laundering Act and Rules framed thereunder?

A. Financial Intelligence Unit – India (FIU-IND) and Insurance Regulatory and Development Authority of India (IRDAI)



B. Securities and Exchange Board of India (SEBI) and Life Insurance Corporation of India (LIC)

C. State Bank of India (SBI) and Insurance Regulatory and Development Authority of India (IRDAI)

D. Reserve Bank of India (RBI) and Insurance Regulatory and Development Authority of India (IRDAI)



Q91 General Awareness

What was the main objective of the Esports Conclave 2025 held in India?

- A. To introduce gambling regulations
- B. To ban online games
- C. To promote board games in schools
- D. To promote esports as a serious career and sporting option ✓

Q92 General Awareness

On 6 November 2025, where was the Indian Navy's survey ship INS Ikshak commissioned?

- A. Kochi ✓
- B. Mumbai
- C. Visakhapatnam
- D. Port Blair

Q93 General Awareness

Which of the following is the best description of RHUMI-1, which was seen in the news in August 2024?

- A. India's first Zika virus vaccine
- B. A newly discovered exoplanet
- C. A deep-sea research submersible
- D. India's first reusable hybrid rocket ✓

Q94 General Awareness

IndiaAI in collaboration with which company conducted the IndiaAI CyberGuard AI Hackathon in January 2025?

- A. I4C ✓
- B. Persistent Systems
- C. Zensar Technologies
- D. Kellton

Q95 General Awareness

What is India's score in the SDG Index according to the 10th Sustainable Development Report, 2025?

- A. 67 ✓
- B. 99
- C. 80
- D. 100

Q96 General Awareness

Which three economies topped the IMD World Competitiveness Ranking in June 2025?

- A. Finland, Denmark, Sweden
- B. Switzerland, Singapore, Hong Kong ✓
- C. Japan, Canada, UK
- D. USA, China, Germany

Q97 General Awareness

Who took the most wickets (205) in IPL history before IPL 2025?

- A. Jasprit Bumrah
- B. Yuzvendra Chahal ✓
- C. Prasidh Krishna
- D. Arshdeep Singh

Q98 General Awareness

Lamine Yamal, who won the Breakthrough of the Year award in 2025, plays which sport?

- A. Athletics
- B. Football ✓
- C. Basketball
- D. Gymnastics

Q99 General Awareness

In 2025, India celebrated the 10th anniversary of which major urban development scheme?

- A. Atal Mission for Rejuvenation and Urban Transformation
- B. Swachh Bharat Abhiyan
- C. Smart City Mission ✓
- D. Prime Minister Awas Yojana

Q100 General Awareness

In June 2025, which authority made changes for reshaping motor insurance in India?

- A. Home Ministry
- B. Insurance Regulatory and Development Authority of India ✓
- C. Unique Identification Authority of India
- D. Information and Broadcast Unit



General Science

25 Questions • Answer Key

Q1 General Science

Which of the following happens when the distances between roots and leaves become large in plants?

- A. Roots absorb no water.
- B. More chlorophyll is produced.
- C. Diffusion becomes insufficient. ✓
- D. Diffusion becomes faster.

Q2 General Science

Spring balance A is attached at one end to spring balance B, whose other end is fixed to a rigid support. A force is applied to the free end of spring balance A. Both balances show the same reading. What does this observation indicate?

- A. The force exerted by A on B is equal and opposite to the force exerted by B on A. ✓
- B. Only spring balance A exerts force on B.
- C. Both balances exert forces in the same direction.
- D. The force exerted by A on B is greater than that by B on A.

Q3 General Science

Which combination reaction also demonstrates the neutralisation of atmospheric pollution components?

- A. $\text{CO} + \text{O}_2 \rightarrow \text{CO}_2$
- B. $\text{SO}_2 + \text{H}_2\text{O} \rightarrow \text{H}_2\text{SO}_3$
- C. $\text{CaO} + \text{CO}_2 \rightarrow \text{CaCO}_3$ ✓
- D. $\text{Fe} + \text{S} \rightarrow \text{FeS}$

Q4 General Science

After fertilisation, when other parts of the flower fall off, the ovary grows into what form?

- A. Fruit ✓
- B. Style
- C. Anther
- D. Pollen tube

Q5 General Science

Formula unit mass is defined as:

- A. the mass of one molecule
- B. the molecular mass of a compound
- C. the atomic mass of the lightest element
- D. the sum of atomic masses of all atoms in a formula unit of an ionic compound ✓

Q6 General Science

Alloys, air, lemonade, and soda water are examples of which of the following categories of solutions?

- A. Heterogeneous mixture
- B. Colloids
- C. Homogeneous mixture ✓
- D. Suspension

Q7 General Science

Which device relies on the heating effect of current to protect circuits and appliances by intentionally melting to break the circuit when the current exceeds a specified limit?

- A. Electric fuse ✓
- B. Electric bulb filament
- C. Rheostat
- D. Electric iron coil

Q8 General Science

Which process must accompany DNA copying to ensure the formation of functional daughter cells?

- A. Chromosomal mutation
- B. Creation of additional cellular apparatus ✓
- C. Protein synthesis only
- D. RNA transcription only

Q9 General Science

A chemical reaction in which two or more substances combine to form a single product is called:

- A. double displacement reaction
- B. combination reaction ✓
- C. decomposition reaction
- D. displacement reaction



Q10 General Science

Which two properties of carbon are mainly responsible for the formation of a large number of carbon compounds?

- A. Metallic character and conductivity
- B. Tetravalency and catenation ✓
- C. Tendency to form ionic bonds and lose electrons
- D. High atomic mass and large atomic size

Q11 General Science

Which of the following organisms will accumulate maximum concentration of DDT?

- A. Grass
- B. Human ✓
- C. Spider
- D. Goat

Q12 General Science

Which of the following statements is correct about gravitational force?

- A. It depends on the medium between the objects.
- B. It is always attractive in nature. ✓
- C. It depends on the charge of the objects.
- D. It can be both attractive and repulsive.

Q13 General Science

Which of the following statements best describes the properties of a liquid?

- A. Fixed shape, fixed volume
- B. No fixed shape, no fixed volume
- C. Fixed shape, no fixed volume
- D. No fixed shape, fixed volume ✓

Q14 General Science

When an object is placed at infinity in front of a convex lens, the image formed is:

- A. At the optical centre, virtual and enlarged
- B. At the focus (F), real and highly diminished ✓
- C. Between F and 2F, real and inverted
- D. At 2F, real and of same size

Q15 General Science

When a raised hammer falls on a nail and drives it into wood, the work done by the force of the hammer on the nail is positive. In this same scenario, which statement would describe negative work?

- A. The work done by the force exerted by the nail on the hammer. ✓
- B. The work done by the force of gravity acting on the hammer as it falls.
- C. The work done by the potential energy stored in the hammer.
- D. The work done by the force of gravity acting on the nail as it moves into the wood.

Q16 General Science

Which of the following statements about epithelial tissue is correct?

- A. Epithelial tissue forms a protective covering and regulates material exchange. ✓
- B. Epithelial tissue mainly connects bones and muscles.
- C. Epithelial tissue does not play any role in material exchange in the body.
- D. Epithelial tissue cells have large intercellular spaces and form a loose sheet.

Q17 General Science

Which of the following rules determines the direction of the magnetic field produced by a current carrying circular loop?

- A. Left-Hand Thumb rule
- B. Fleming's Left-Hand rule
- C. Right-Hand Thumb rule ✓
- D. Fleming's Right-Hand rule

Q18 General Science

Which of the following is a use of washing soda?

- A. Removes the hardness of water ✓
- B. Used in cooking
- C. Used in treatment of hot water
- D. Used to kill bacteria in water



Q19 General Science

Why does the uterine lining become thick and spongy every month?

- A. To prevent menstruation
- B. To support egg development
- C. To absorb nutrients
- D. To nourish the embryo if fertilisation occurs ✓

Q20 General Science

What is the nature of the distance-time graph for an object in non-uniform motion?

- A. A vertical line
- B. A horizontal line
- C. A curved line ✓
- D. A straight line

Q21 General Science

What is the relationship between the radius of curvature and the focal length for spherical mirrors with small apertures?

- A. Radius of curvature is equal to twice the focal length ✓
- B. Radius of curvature is equal to half the focal length
- C. Radius of curvature is equal to the focal length
- D. Radius of curvature is equal to thrice the focal length

Q22 General Science

What is the primary goal of reducing non-biodegradable waste production?

- A. To make more space available in landfills
- B. To recycle the waste
- C. To conserve natural resources and minimise pollution ✓
- D. To promote industrial growth

Q23 General Science

Which of the following statements correctly describes plastids in plant cells?

- A. They are found in prokaryotic cells like bacteria for photosynthesis
- B. They are present in both plant and animal cells in equal amount
- C. They are present only in plant cells and absent in animal cells ✓
- D. They are present only in animal cells and absent in plant cells

Q24 General Science

The combining capacity of an element to each other primarily depends on which of the following?

- A. Number of neutrons
- B. Number of valence electrons ✓
- C. Number of energy level
- D. Number of protons

Q25 General Science

Which of the following correctly describes the relation between frequency (ν) and time period (T)?

- A. $\frac{\nu}{T} = 1$
- B. $\nu + T = 1$
- C. $\nu T = 0$
- D. $\nu T = 1$ ✓

Mathematics

25 Questions • Answer Key

Q26 Mathematics

A man receives ₹7,700 per month as salary. He saves 25% of his salary every month. His expenditure per month is:

- A. ₹5,775 ✓
- B. ₹5,832
- C. ₹5,856
- D. ₹5,761

Q27 Mathematics

A pen is purchased for ₹40 and sold for ₹50. Find the profit percentage.

- A. 35%
- B. 22%
- C. 20%
- D. 25% ✓



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Q28 Mathematics

If $a^2 - b^2 = 21$ and $a - b = 3$, what is $a + b$?

A. 7



B. 6

C. 8

D. 5

Q29 Mathematics

In an examination there are 150 questions and 4 marks are given for every correct answer and 1 mark is deducted for every wrong answer. A candidate attempted all 150 questions and scored 250 marks. Find the number of questions he answered correctly.

A. 80



B. 60

C. 70

D. 50

Q30 Mathematics

A building is at a distance of 108 feet from point A on the ground. The angle of elevation of the top of the building from point A is θ . If $\tan \theta = 4/3$, then find the height (in feet) of the building.

A. 140

B. 138

C. 135

D. 144

**Q31 Mathematics**

The average of the marks of 12 students in a class is 36. If the marks of each student are doubled, find the new average?

A. 36

B. 24

C. 12

D. 72

**Q32 Mathematics**

Dolly goes to a shop to purchase a toy bus priced at ₹5,300. She is offered 4 discount options by the shopkeeper. Which of the following options should she opt for to gain maximum advantage of the discount offered?

A. Two successive discounts of 21% each

B. Two successive discounts of 7% and 7%

C. Two successive discounts of 43% and 38%



D. Single discount of 47%

Q33 Mathematics

The monthly incomes of two friends Manjit and Keshav are in the ratio 5 : 9 respectively and each of them saves ₹48,000 every month. If the ratio of their monthly expenditure is 1 : 3, then find the monthly income of Manjit (in ₹).

A. 80,000



B. 1,12,000

C. 79,000

D. 81,000

Q34 Mathematics

The cost price of a whiteboard is ₹2,800. The shopkeeper gave 87% of discount on the cost price. What is the selling price (in ₹)?

A. 526

B. 399

C. 316

D. 364

**Q35 Mathematics**

The number of prime numbers between 308 and 320 is:

A. 7

B. 1

C. 3



D. 6

Q36 Mathematics

The sum of two numbers is 50 and their LCM is 429. The two numbers are:

A. 4, 46

B. 11, 39



C. 16, 34

D. 9, 41



Q37 Mathematics

A solid metallic cylinder of radius 4 cm and height 6 cm is melted and recast into smaller solid cylinders of radius 2 cm and height 3 cm. Find the ratio of the total surface areas of one small cylinder to the original cylinder.

A. 1 : 8

B. 1 : 4



C. 1 : 3

D. 2 : 5

Q38 Mathematics

The amount on a sum of ₹7,800 at 20% per annum compound interest, compounded annually, in 2 years will be:

A. ₹10,914

B. ₹11,730

C. ₹11,232



D. ₹10,795

Q39 Mathematics

The price of fuel decreases by 30%, 40% and 45% in three successive months, but increases by 65% in the fourth month. What is the percentage increase/decrease in the price of fuel in the fourth month as compared to its original price? (Round off your answer to two decimal places.)

A. Decreases by 63.43%

B. Decreases by 61.89%



C. Increases by 66.65%

D. Increases by 67.69%

Q40 Mathematics

If the fourth proportion to 17, X and 7 is 91, then find the value of X.

A. 218

B. 222

C. 221



D. 219

Q41 Mathematics

A, B and C can do a piece of work in 3, 2 and 6 days, respectively. How long (in days) will they take to do twice the same work, working together?

A. 3

B. 6

C. 2



D. 4

Q42 Mathematics

Two trains are running on parallel tracks towards each other. Train A is 250 meters long and is moving at a speed of 90 km/h. Train B is 150 meters long and is moving at a speed of 60 km/h. How much time (rounded off to the nearest seconds) will it take for Train A to completely pass Train B?

A. 12 seconds

B. 20 seconds

C. 10 seconds



D. 15 seconds

Q43 Mathematics

The sides of a triangle are 90 cm, 11 cm and 97 cm. What is the length of its altitude corresponding to the side with the length of 11 cm?

A. 97 cm

B. 72 cm



C. 105 cm

D. 31 cm

Q44 Mathematics

Three solid metallic cubes of sides 2 cm, 12 cm and 16 cm are melted to form a new cube. Find the surface area of the cube so formed.

A. 944 cm²

B. 1944 cm²



C. 1744 cm²

D. 1644 cm²

Q45 Mathematics

₹8,413 is divided among S, B, and C in such a way that if ₹32, ₹60, and ₹71 are deducted from their respective shares, they have money in the ratio 5:11:14. Find the difference between the actual shares of B and C.

A. ₹775

B. ₹836



C. ₹925

D. ₹675



Q46 Mathematics

A girl goes to school at a speed of 20 km/h. She comes back with a speed of 12 km/h. Find her average speed for the whole journey.

A. 16 km/h

B. 15 km/h



C. 17 km/h

D. 14 km/h

Q47 Mathematics

The average age of 30 students of a class is 12 years. If the age of the teacher is also included, the average age of the whole group becomes 13 years. The age (in years) of the teacher is:

A. 44

B. 43



C. 45

D. 46

Q48 Mathematics

The present ages of Rohit and his father are in the ratio 2 : 5. Four years from now, the ratio of their ages will become 12 : 27. What was the father's age (in years) five years ago from now?

A. 48

B. 45



C. 52

D. 50

Q49 Mathematics

Pipe A can fill a tank alone in 6 hours, pipe B can fill it in 9 hours, and pipe C can empty the full tank in 12 hours. If all three pipes are initially opened and after 1.5 hours, pipe C is discovered to be leaking and immediately closed, and if the work done by pipe C during the initial 1.5 hours is $\frac{x}{7}\%$ of the work done by all the three pipes in the initial 1.5 hours, then the number of factors of x is:

A. 21

B. 12

C. 18



D. 15

Q50 Mathematics

Evaluate: $\sqrt{250 + \sqrt{19 + \sqrt{289}}} + \sqrt{620 + \sqrt{11 + \sqrt{196}}}$

A. 41



B. 25

C. 45

D. 31



Q51 General Intelligence & Reasoning

Priyanka walks to her uncle's house. She starts walking from her house towards the north for 3 m, turns left, and walks for 4 m. She then takes a left turn and walks for 5 m. Next, she takes a right turn and walks for 1 m. Finally, she takes a right turn and walks for 2 m to reach her uncle's house.

How far and in which direction is her house from her uncle's house?

- A. 4 m towards the north
- B. 3 m towards the west
- C. 7 m towards the east
- D. 5 m towards the east

**Q52** General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All ships are eggs.
Some eggs are pencils.
All coins are ships.

Conclusions:

(I): Some ships are pencils.
(II): Some eggs are coins.

- A. Only conclusion (I) follows
- B. Only conclusion (II) follows
- C. Both conclusions (I) and (II) follow
- D. Neither conclusion (I) nor (II) follows

**Q53** General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

1 2 6 7 16 ?

- A. 17
- B. 18
- C. 21
- D. 15

**Q54** General Intelligence & Reasoning

If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', then what will come in place of the question mark (?) in the following equation?

12 D 10 C 5 B 21 A 3 = ?

- A. 36
- B. 31
- C. 37
- D. 32

**Q55** General Intelligence & Reasoning

Seven friends D, E, F, U, V, W and X are sitting in a straight line facing the north. Only two people are seated to the left of E. Only three people are seated between E and W. Only one person is seated between W and V. U is seated to the immediate left of D. F is not an immediate neighbor of W. How many people are seated to the right of X?

- A. Four
- B. Two
- C. One
- D. Three

**Q56** General Intelligence & Reasoning

Z ranked 12th from the bottom and 56th from the top in his class. How many students are there in his class?

- A. 65
- B. 68
- C. 67
- D. 66

**Q57** General Intelligence & Reasoning

In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

GATE - ETGA - GTAE
PRAY - YAPR - PARY

- A. GUNS - GNUS - SNUG
- B. USER - REUS - UESR
- C. JOIN - OIJN - OINJ
- D. MODE - EDMO - ODME



Q58 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

11 14 8 17 ? 20

A. 16

B. 5



C. 12

D. 10

Q59 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

KJN 72 RQU 63 YXB 54 FEI 45 ?

A. MKO 35

B. MMO 36

C. MUD 35

D. MLP 36

**Q60 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

100 70 45 25 10 ?

A. -1

B. 5

C. 0



D. 1

Q61 General Intelligence & Reasoning

Piyush starts from Point A and drives 54 km towards the north. He then takes a right turn, drives 56 km, turns right and drives 59 km. He then takes a right turn and drives 61 km. He takes a final right turn, drives 5 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 5 km to the east



B. 7 km to the west

C. 6 km to the west

D. 3 km to the east

Q62 General Intelligence & Reasoning

In a certain code language, 'LEMA' is coded as '2564' and 'HELM' is coded as '3246'. What is the code for 'H' in the given code language?

A. 4

B. 6

C. 2

D. 3

**Q63 General Intelligence & Reasoning**

In a certain code language, 'give me more' is coded as 'bt lq nz' and 'give more water' is coded as 'hj bt nz'. How is 'water' coded in that language?

A. bt

B. hj



C. nz

D. lq

Q64 General Intelligence & Reasoning

This question is based on the five, three-digit numbers given below.

(Left) 658 223 661 257 666 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

Note: All operations to be done from left to right.

What will be the resultant if the second digit of the highest number is added to the third digit of the lowest number?

A. 12

B. 11

C. 14

D. 9

**Q65 General Intelligence & Reasoning**

Refer to the given following number, symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) \$ # @ * & € # 8 * 9 8 2 \$ & \$ 6 1 2 1 7 5 @ (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a symbol?

A. 3

B. 1



C. 4

D. 2



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Q66 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some dolphins are whales.
Some whales are sharks.

Conclusions:

- (I) Some dolphins are sharks.
(II) No whale is a dolphin.

- A. Only conclusion (I) follows.
B. Neither conclusion (I) nor (II) follows. ✓
C. Only conclusion (II) follows.
D. Both conclusions (I) and (II) follow.

Q67 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting / multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(25, 12, 148)
(32, 11, 172)

- A. (24, 14, 154)
B. (40, 13, 210)
C. (38, 15, 212) ✓
D. (19, 35, 214)

Q68 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- A. NR - KO
B. JN - GK
C. EI - BF
D. PT - MR ✓

Q69 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- A. HKM
B. XAC
C. TWY
D. YCD ✓

Q70 General Intelligence & Reasoning

Refer to the following series and answer the question the follows. (All numbers are single digit numbers only.) Counting to be done from left to right only.

(Left) 9 5 2 4 6 5 9 9 5 3 5 5 1 7 6 3 8 5 1 4 4 5 5 9 8 8 9
(Right)

How many such even numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- A. 2 ✓
B. 4
C. 1
D. 3

Q71 General Intelligence & Reasoning

In a certain code language,
P + Q means 'P is the mother of Q',
P # Q means 'P is the husband of Q',
P & Q means 'P is the sister of Q' and
P % Q means 'P is the father of Q'.

How is J related to Z if 'J # S + R & T % Z'?

- A. Mother's father
B. Father's mother
C. Mother's mother
D. Father's father ✓



Q72 General Intelligence & Reasoning

Six friends, G, H, I, Q, R and S, are sitting around a circular table facing the centre of the table. Only two people sit between Q and I when counted from the left of I. H sits second to the left of S. R sits to the immediate right of S. R sits to the immediate left of Q. Who sits third to the right of G?

A. S



B. Q

C. H

D. R

Q73 General Intelligence & Reasoning

Which of the following letter-clusters will replace the question mark (?) in the given series to make it logically complete?

EZC, IDG, MHK, QLO, ?

A. UPS



B. UQR

C. UQS

D. UPR

Q74 General Intelligence & Reasoning

Refer to the given series and answer the question that follows. (All numbers are single digit numbers only.) Counting to be done from left to right only.

(Left) 3 1 2 6 9 8 1 3 4 1 6 9 5 1 1 5 9 9 4 2 7 7 8 3 9 8 8
(Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

A. 5



B. 6

C. 4

D. 7

Q75 General Intelligence & Reasoning

Six people, A, B, C, D, E and F, are sitting in a row, facing the north. A sits third to the left of E. E sits second to the left of F. D sits to the immediate right of E. B sits to the immediate left of C.

How many people sit between C and F?

A. None

B. One

C. Two



D. Three

Q76 General Intelligence & Reasoning

If 'A' stands for '×', 'B' stands for '÷', 'C' stands for '+' and 'D' stands for '-', then what will come in place of the question mark (?) in the following equation?

16 B 4 D 8 A 3 C 28 A 2 = ?

A. 35

B. 38

C. 40

D. 36

**Q77 General Intelligence & Reasoning**

If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 6318547, then what will be the difference between the highest and lowest digits in the new number thus formed?

A. 6



B. 1

C. 5

D. 3

Q78 General Intelligence & Reasoning

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

GIK-JLN
CEG-FHJ

A. XYZ-ACE

B. XZB-ZCD

C. XZB-ACE



D. XYZ-ZBD

Q79 General Intelligence & Reasoning

BQVH is related to HLZE in a certain way. In the same way, HSJQ is related to NNNN. To which of the following is JOWF related, following the same logic?

A. PKBC

B. PJAC



C. QJBD

D. QKAD



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Q80 General Intelligence & Reasoning

Mr. Akte ranked 12th from the bottom and 56th from the top in his class. How many students are there in his class?

A. 67



B. 66

C. 68

D. 65

General Awareness

20 Questions • Answer Key

Q81 General Awareness

What is the primary focus of Mission Shakti 5.0 launched by Uttar Pradesh Chief Minister Yogi Adityanath?

A. Women's safety, dignity, and self-reliance



B. Agricultural reforms

C. Infrastructure development

D. Economic development

Q82 General Awareness

Who became the first Thai male badminton player to be ranked World No. 1 in men's singles in May 2025?

A. Kantaphon Wangcharoen

B. Kento Momota

C. Lee Zii Jia

D. Kunlavut Vitidsarn

**Q83 General Awareness**

The Web-Portal for the Prime Minister's Awards for Excellence in Public Administration 2025 was officially launched on 1 October 2025 by which of the following?

A. Department of Science and Technology

B. Centre for Development of Advanced Computing

C. Bureau of Police Research and Development

D. Department of Administrative Reforms and Public Grievances

**Q84 General Awareness**

Where was the main Infantry Day wreath laying ceremony held on the occasion of 79th Valour Day in 2025?

A. India Gate

B. National War Memorial



C. Army Headquarters

D. Red Fort

Q85 General Awareness

According to the Ministry of Environment, Forest and Climate Change's official release dated 1 September 2025 titled "In the last 8 years, Delhi witnesses best AQI figures in 2025 for the January–August period", what was Delhi's average AQI during January–August 2025?

A. 172



B. 187

C. 194

D. 174

Q86 General Awareness

Which mobile application was introduced by the National Commission for Women in May 2025 to enhance women's digital literacy and safety in advanced digital tools?

A. Kaaval Uthavi Emergency Assistance Tool

B. Kavalan Safety and Support Platform

C. Yashoda Artificial Intelligence Learning App



D. Digital Saathi for Women Empowerment

Q87 General Awareness

In August 2025, the first phase of the Darwin Tree of Life (DTOL) project neared completion. What is the primary aim of this international biodiversity initiative?

A. To map human migration patterns through ancient DNA found in fossils

B. To sequence the genomes of all eukaryotic species in Britain and Ireland



C. To decode the genetic basis of rare diseases in isolated human populations

D. To engineer climate-resilient crops using data from ancestral plant genomes



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Q88 General Awareness

In March 2025, a rare long-snouted vine snake was rediscovered in which of the following national parks?

A. Dudhwa National Park ✓

B. Bandhavgarh National Park

C. Kanha National Park

D. Gir National Park

Q89 General Awareness

Which prestigious theatre awards took place on 6 April 2025 at the Royal Albert Hall?

A. Laurence Olivier Awards ✓

B. Evening Standard Theatre Awards

C. Tony Awards

D. Critics' Circle Theatre Awards

Q90 General Awareness

As notified in June 2025, the National Bank for Agriculture and Rural Development (NABARD), in collaboration with ICAR's National Institute for Research on Commercial Agriculture (NIRCA), partnered to train farmers and Farmer Producer Organizations (FPOs) in which state on advanced post-harvest technologies for chilli and turmeric?

A. Bihar

B. Haryana

C. Andhra Pradesh ✓

D. West Bengal

Q91 General Awareness

What was the monthly honorarium announced by the Odisha government for Padma Awardees, starting January 2025?

A. ₹25,000

B. ₹20,000

C. ₹35,000

D. ₹30,000 ✓

Q92 General Awareness

Which city hosted the 38th National Games from 28 January to 14 February 2025?

A. Mumbai

B. Bengaluru

C. Delhi

D. Dehradun ✓

Q93 General Awareness

By how much has the grant for National Championships in high-priority sports been increased, as per the 2025 announcement?

A. ₹90 lakh ✓

B. ₹30 lakh

C. ₹39 lakh

D. ₹51 lakh

Q94 General Awareness

In June 2025, Indian Space Research Organisation (ISRO) and National Aeronautics and Space Administration (NASA) joint venture NISAR is planned to be launched by _____.

A. GSLV-P16

B. SSLV

C. PSLV-CA

D. GSLV Mk II ✓

Q95 General Awareness

According to the World Bank's Global Economic Prospects (June 2025), global growth is projected to slow markedly to what percentage in 2025?

A. 3.5%

B. 2.3% ✓

C. 4.1%

D. 0.5%

Q96 General Awareness

As per the Reserve Bank of India (RBI), Gross Domestic Product (GDP) growth for 2025-26 is projected for Q4 at:

A. 6.5% ✓

B. 6.3%

C. 6.8%

D. 6.7%

Q97 General Awareness

In August 2025, the Department of Posts signed a Memorandum of Understanding with which association in an effort to broaden access to mutual fund products, leveraging the trust and reach of post offices across the country?

A. Association of Mutual Funds in India ✓

B. All India Association of Mutual Fund Advisors

C. Confederation of Indian Industry

D. Insurance Regulatory and Development Authority of India



Q98 General Awareness

Which private-sector facility was commissioned for aerospace titanium production?

A. Aerolloy Technologies



B. Hindustan Aeronautics Limited

C. Bharat Electronics Limited

D. Tata Aircraft Complex

Q99 General Awareness

In which year did India present its Third Voluntary National Review (VNR) Report on Sustainable Development Goals (SDGs)?

A. 2024

B. 2023

C. 2025



D. 2022

Q100 General Awareness

Which organisation received the 2025 Laureus Sport for Good Award for using football to support social change?

A. Kick4Life



B. Football for Peace

C. Right to Play

D. Street League



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General Science

25 Questions • Answer Key

Q1 General Science

Which of the following correctly describes the SI unit of electric power and the commercial unit of electrical energy, respectively?

- A. Kilowatt-hour (kWh); Watt (W)
- B. Watt (W); Kilowatt-hour (kWh) ✓
- C. Volt (V); Joule (J)
- D. Watt (W); Joule (J)

Q2 General Science

A body of mass 'm' experiences a force 'F', producing an acceleration 'a'. If the same force acts on a body of mass '2m', the acceleration produced will be:

- A. 2a
- B. a
- C. a/4
- D. a/2 ✓

Q3 General Science

Which of the following is a homogeneous mixture?

- A. Sand and iron
- B. Water and ice
- C. Air ✓
- D. Oil and water

Q4 General Science

Which cropping pattern involves growing two or more crops together on the same land at the same time, but in a defined row or spatial arrangement?

- A. Intercropping ✓
- B. Crop rotation
- C. Mixed cropping
- D. Monocropping

Q5 General Science

Why is carbon able to form a large number of compounds?

- A. It has high density.
- B. It shows catenation and tetravalency. ✓
- C. It forms strong ionic bonds.
- D. It is highly reactive.

Q6 General Science

Which of the following best explains the importance of fertilisation in sexual reproduction?

- A. It allows the formation of an embryo ✓
- B. It cleanses the reproductive tract
- C. It increases the number of eggs in females
- D. It helps the uterus for menstrual flow

Q7 General Science

Hydrometers are tools used to measure the density of liquids. Which scientific principle are they based on?

- A. Archimedes' Principle ✓
- B. Universal law of Gravitation
- C. Newton's First Law
- D. Pascal's Law

Q8 General Science

If the length of a uniform metallic conductor is doubled, and simultaneously its area of cross-section is doubled, how does the resistance of the conductor change?

- A. It decreases to one-half of the original resistance.
- B. It remains the same as the original resistance. ✓
- C. It becomes four times the original resistance.
- D. It doubles the original resistance.

Q9 General Science

A sound wave has a wavelength of 0.5 m and frequency 680 Hz. The speed of sound is:

- A. 1360 m/s
- B. 170 m/s
- C. 340 m/s ✓
- D. 680 m/s

Q10 General Science

Which quantity changes due to an unbalanced force?

- A. Velocity ✓
- B. Density
- C. Mass
- D. Time



Q11 General Science

What does the term 'formula unit mass' refer to?

- A. Mass of a single proton in an atom
- B. Sum of atomic masses of all atoms in the compound ✓
- C. Mass of one molecule of a covalent compound
- D. Total mass of atoms in one mole of a compound

Q12 General Science

When an object is placed at the focus of a convex lens, the formation of image is _____.

- A. on the same side as the object
- B. between F and 2F
- C. at infinity ✓
- D. at the centre of curvature

Q13 General Science

Refer to the two statements given below and choose the correct option.

Statement A: Acids react with all metals to form hydrogen gas.

Statement B: Gold and platinum also react with acids to release hydrogen.

- A. Statement A is correct but B is incorrect.
- B. Both statements A and B are correct.
- C. Both statements A and B are incorrect. ✓
- D. Statement A is incorrect but B is correct.

Q14 General Science

A basic solution will have a pH:

- A. Equal to 7
- B. Greater than 7 ✓
- C. That cannot be predicted
- D. Less than 7

Q15 General Science

Which of the following cellular organelles performs the function of storage, modification and packaging of products in vesicles?

- A. Chloroplast
- B. Ribosomes
- C. Vacuoles
- D. Golgi Complex ✓

Q16 General Science

The principal focus of a convex lens is _____.

- A. always at infinity
- B. the point where diverging rays meet
- C. the point behind the lens where rays diverge
- D. the point where parallel rays converge ✓

Q17 General Science

Which of the following is NOT a typical characteristic of plants produced through vegetative propagation?

- A. They do not require pollination.
- B. They show variation in characteristics among offspring. ✓
- C. They flower and fruit earlier than seed-grown plants.
- D. They are genetically identical to the parent.

Q18 General Science

Muscle cells show higher mitochondrial activity after exercise. The result indicates which of the following?

- A. Cell division stops.
- B. Cells are becoming larger.
- C. Mitochondria cause fatigue.
- D. More energy is required during activity. ✓

Q19 General Science

What is the primary purpose of the process of nutrition in living organisms?

- A. To form oxygen molecules required for photosynthesis
- B. To produce carbon dioxide and other waste materials
- C. To obtain energy and raw materials from external sources ✓
- D. To regulate visible movement and reproduction

Q20 General Science

What determines the atomic number of an element?

- A. Number of electrons in all shells
- B. Difference between mass and charge
- C. Number of neutrons in an isotope
- D. Total number of protons in nucleus ✓



Q21 General Science

When a more reactive metal is placed in the salt solution of a less reactive metal, it:

- A. gets oxidised
- B. displaces the less reactive metal ✓
- C. gets reduced
- D. does not react

Q22 General Science

What is the energy absorbed during change of state at constant temperature called?

- A. Kinetic energy
- B. Latent heat ✓
- C. Specific heat
- D. Thermal energy

Q23 General Science

Which of the following trophic levels is occupied by the tertiary consumers?

- A. Second trophic level
- B. First trophic level
- C. Fourth trophic level ✓
- D. Third trophic level

Q24 General Science

An object of mass 12 kg is located such that its potential energy relative to the ground is 480 J. Assuming $g = 10 \text{ m s}^{-2}$, what is the height (h) of the object?

- A. 4 m ✓
- B. 40 m
- C. 120 m
- D. 2 m

Q25 General Science

What happens to the egg if it is NOT fertilised?

- A. It lives for about one day and then disintegrates. ✓
- B. It implants in the uterus.
- C. It becomes an embryo.
- D. It survives for a week.

Mathematics

25 Questions • Answer Key

Q26 Mathematics

The difference between the ages of Girish and Rohan is 10 years. 15 years ago, Girish was twice as old as Rohan. Find Girish's present age.

- A. 35 years ✓
- B. 39 years
- C. 32 years
- D. 37 years

Q27 Mathematics

Find the simple interest (in ₹) on ₹2,000 at 7% per annum rate of interest for the period from 11 February 2023 to 25 April 2023.

- A. 26
- B. 27
- C. 29
- D. 28 ✓

Q28 Mathematics

A train covers a distance of 270 km in 4.5 hours. What is the speed of the train?

- A. 70 km/h
- B. 55 km/h
- C. 60 km/h ✓
- D. 65 km/h

Q29 Mathematics

If an item is bought for ₹800 and sold for ₹740, what is the loss percentage?

- A. 6.5%
- B. 9.5%
- C. 7.5% ✓
- D. 8.5%



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Q30 Mathematics

Find the HCF of 44, 110 and 198.

A. 22



B. 44

C. 33

D. 11

Q31 Mathematics

In a quadrilateral QRST, $\angle Q = 96^\circ$ and $\angle R = 43^\circ$. The bisectors of $\angle S$ and $\angle T$ meet at E. What is the measure of $\angle TES$?

A. 56°

B. 78°

C. 69.5°



D. 70.5°

Q32 Mathematics

One pipe can fill a tank in 6 minutes, while another pipe can empty the completely filled tank in 12 minutes. If both the pipes are opened together when the tank is empty, how many minutes will it take to fill one-half of the tank?

A. 7

B. 12

C. 6



D. 13

Q33 Mathematics

If the fourth proportional to P, 15 and 20 is 1, then find the value of P.

A. 302

B. 300



C. 297

D. 298

Q34 Mathematics

102 men have provisions for 30 weeks. They are joined by 78 men. How long (in weeks) will the provisions last?

A. 17



B. 15

C. 21

D. 19

Q35 Mathematics

In a test, B got 50 marks while A got 75 marks, out of 85 maximum marks. What percentage of A's marks was B's marks? (Round off the answer to two decimal places.)

A. 88.23%

B. 85.79%

C. 66.67%



D. 150.28%

Q36 Mathematics

The arithmetic mean of the observations 52, 40, 76, 99, 52, 27, 80, 27 and 24 is:

A. 47

B. 53



C. 60

D. 56

Q37 Mathematics

The price of fuel decreases by 50%, 40% and 20% in three successive months, but increases by 50% in the fourth month. What is the percentage increase/decrease in the price of fuel in the fourth month as compared to its original price?

A. Decreases by 64%



B. Increases by 65%

C. Increases by 61%

D. Decreases by 62%

Q38 Mathematics

An agent sells a turbo cooker with a marked price of ₹6,370 at a discount of 60%. What is the selling price (in ₹) of the turbo cooker?

A. 2,549

B. 2,547

C. 2,546

D. 2,548

**Q39 Mathematics**

Find a single discount (approximately) equal to three consecutive discounts of 11%, 12% and 2%.

A. 23.25%



B. 23.97%

C. 25.59%

D. 20.49%



Q40 Mathematics

Raju has ₹50 more than Riya. Together they have ₹350. How much money does Raju have?

A. ₹200



B. ₹250

C. ₹225

D. ₹150

Q41 Mathematics

₹10,511 is divided among X, Y, and Z in such a way that if ₹87, ₹42, and ₹12 be deducted from their respective shares, they have money in the ratio 6 : 16 : 12. Find the difference between the Y's and Z's original shares.

A. ₹1,320

B. ₹1,120

C. ₹1,370

D. ₹1,250

**Q42 Mathematics**

The mean and the mode of a set of data are 86.7 and 51.3, respectively. Find the median of the data, using the empirical formula.

A. 74.9



B. 74

C. 76.2

D. 75.8

Q43 Mathematics

Two pipes, A and B, can fill a cistern in 6 hours and 8 hours, respectively. Pipe C can empty the cistern in 10 hours. Initially, pipes A and B are opened together to fill the cistern for 3 hours. After 3 hours, pipe A is closed, and pipes B and C are opened together. By what percentage was the time taken by pipes B and C to fill the remaining part of the cistern greater than the time taken by pipes A and B to fill it in the first 3 hours?

A. $\frac{150}{3}\%$

B. $\frac{50}{3}\%$

C. $\frac{200}{3}\%$



D. $\frac{100}{3}\%$

Q44 Mathematics

A student simplifies the expression: 0.25 raised to the power 6, divided by 0.125 squared, and then multiplied by 0.5 raised to the power 4. She writes the final answer in the form 0.5^{x+3} . What value of x will make both sides equal?

A. 4

B. 7



C. 10

D. 6



Q45 Mathematics

If $a + b + c = 0$, then the value of $(a^3 + b^3 + c^3)^2$ is:

A. $9a^2b^2c^2$



B. $9abc$

C. $6a^2b^2c^2$

D. $3a^2b^2c^2$

Q46 Mathematics

Walking at $\frac{5}{7}$ th of his normal speed from his home, Shahid is 22 minutes late in reaching his office.

The usual time taken by him to cover the distance between his home and his office is:

A. 48 minutes

B. 51 minutes

C. 61 minutes

D. 55 minutes

**Q47** Mathematics

If 40% of 50% of $\frac{1}{2}$ of a number is 900, find the number.

A. 9000



B. 11490

C. 12730

D. 8410

Q48 Mathematics

A sphere is lowered into water which is filled up to the brim in a conical vessel of radius 12 cm and height 16 cm. The size of the sphere is such that when it touches the sides of the cone, the sphere is just immersed into the cone. Find the ratio of the volume of water that has overflowed to the volume of water left in the cone.

$\left(\text{Use } \pi = \frac{22}{7} \right)$

A. 2 : 7

B. 3 : 5



C. 5 : 7

D. 4 : 5



Q49 Mathematics

The base diameter of a closed cylinder is 24 ft and height is 9 ft. Find the total surface area of the cylinder.

(Use $\pi = \frac{22}{7}$)

A. 1594 ft²

B. 1584 ft² ✓

C. 1564 ft²

D. 1574 ft²

Q50 Mathematics

If $\tan \theta = \frac{1-p^2}{2p}$ and θ is an acute angle, find the value of $\sin \theta$.

A. $\frac{1-p^2}{1+p^2}$ ✓

B. $\frac{2p}{1+p^2}$

C. $\frac{1+p^2}{1-p^2}$

D. $\frac{1+p^2}{2p}$

General Intelligence & Reasoning

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

YCG 87 IMQ 95 SWA 103 CGK 111 ?

A. MRT 119

B. MPT 118

C. MQU 119 ✓

D. MRX 118

Q52 General Intelligence & Reasoning

Dayanand ranked 17th from the top and 11th from the bottom in his class. How many students are there in the class?

A. 26

B. 25

C. 27 ✓

D. 28

Q53 General Intelligence & Reasoning

Which numbers should come in place of the question marks (?) in the same sequence to make the series logically complete?

989 979 969 ? 949 ? 929

A. 959 and 929, respectively

B. 929 and 939, respectively

C. 959 and 939, respectively ✓

D. 949 and 939, respectively



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Q54 General Intelligence & Reasoning

Seven friends, L, M, N, O, Q, R and S, are sitting in a straight line facing north. Only four people sit to the right of O. Only three people sit between O and S. Only one person sits between S and L. R sits to the immediate left of M. N is not an immediate neighbour of S. How many people sit to the right of Q?

- A. Two
- B. Three
- C. Four
- D. One

**Q55 General Intelligence & Reasoning**

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(14, 28, 2)
(13, 39, 3)

- A. (17, 65, 5)
- B. (11, 55, 6)
- C. (15, 45, 3)
- D. (16, 32, 3)

**Q56 General Intelligence & Reasoning**

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 7 9 5 6 8 9 2 9 7 2 9 4 3 1 5 4 5 8 2 4 1 4 3 1 4 8 1
(Right)

How many such even numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- A. 7
- B. 5
- C. 4
- D. 6

**Q57 General Intelligence & Reasoning**

Refer to the given series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 7 2 6 9 7 6 5 7 7 8 8 3 6 3 6 8 3 2 5 5 2 3 1 4 6 1 8
(Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

- A. 5
- B. 4
- C. 3
- D. 6

**Q58 General Intelligence & Reasoning**

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- A. WYA
- B. FHJ
- C. UXY
- D. GIK

**Q59 General Intelligence & Reasoning**

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- A. QOS
- B. USW
- C. KJM
- D. ECG



Q60 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All fruits are vegetables.
No vegetable is a pumpkin.

Conclusions:

(I): No fruit is a pumpkin.
(II): Some pumpkins are vegetables.

- A. Only conclusion (II) follows
- B. Both conclusions (I) and (II) follow
- C. Only conclusion (I) follows
- D. Neither conclusion (I) nor (II) follows

Q61 General Intelligence & Reasoning

If 3 is added to each even digit and 2 is added to each odd digit in the number 3267541, what will be the sum of the last two and first two digits in the new number thus formed?

- A. 35
- B. 20
- C. 28
- D. 40

Q62 General Intelligence & Reasoning

Select the pair that follows the same pattern as the one followed by the two pairs given below. Both pairs follow the same pattern.

JGF-GDC
FCB-CZY

- A. BXV-YVU
- B. BYX-XVT
- C. BXV-XUT
- D. BYX-YVU

Q63 General Intelligence & Reasoning

In a certain code language, "VACP" is coded as "126" and "MHTJ" is coded as "153". What is the code for "OGQE" in that language?

- A. 129
- B. 135
- C. 132
- D. 140

Q64 General Intelligence & Reasoning

Anant starts from Point A and drives 32 km towards the south. He then takes a left turn, drives 34 km, turns left and drives 35 km. He then takes a left turn and drives 38 km. He takes a final left turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

- A. 5 km to the west
- B. 6 km to the west
- C. 3 km to the east
- D. 4 km to the east

Q65 General Intelligence & Reasoning

In a certain code language,
'A + B' means 'A is the brother of B',
'A - B' means 'A is the sister of B',
'A × B' means 'A is the mother of B' and
'A ÷ B' means 'A is the son of B'.

How is V related to Y if 'V + W × X - Z ÷ Y'?

- A. Brother's son
- B. Wife's brother
- C. Daughter's husband
- D. Father's father

Q66 General Intelligence & Reasoning

In a row of 52 people facing north, Neena is 24th from the right end. If Mishti sits 15th to the left of Neena, what is Mishti's position from the left end of the line?

- A. 14th
- B. 16th
- C. 15th
- D. 13th

Q67 General Intelligence & Reasoning

A, B, C, D, E and F are sitting around a circular table, facing the centre. B sits third to the right of C. C sits second to the left of A. F sits third to the right of D. D sits to the immediate left of E. How many people sit between E and B, when counted from the left of E?

- A. One
- B. Four
- C. None
- D. Two



Q68 General Intelligence & Reasoning

What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$17 \div 18 + 88 \times 2 - 313 = ?$$

A. 512

B. 575 

C. 597

D. 534

Q69 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

SWE UYG WAI YCK ?

A. ASE

B. ADE

C. AEM 

D. AME

Q70 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 7 4 1 2 4 9 7 5 3 6 1 5 2 7 4 5 8 3 9 6 5 7 3 9 1 4 2

(Right)

How many such odd numbers are there, each of which is immediately preceded by an even number and also immediately followed by an even number?

A. Three 

B. Two

C. One

D. None

Q71 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

191 181 182 172 173 163 ?

A. 164 

B. 161

C. 163

D. 162

Q72 General Intelligence & Reasoning

Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

CL-FO-IK

EN-HQ-KM

A. HP-JR-MN

B. GP-JS-MO 

C. GP-JS-MN

D. HP-JS-MN

Q73 General Intelligence & Reasoning

Prakash starts from Point A and drives 35 km towards the south. He then takes a right turn, drives 38 km, turns right and drives 41 km. He then takes a right turn and drives 54 km. He takes a final right turn, drives 6 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 18 km to the east

B. 15 km to the west

C. 17 km to the east

D. 16 km to the west **Q74 General Intelligence & Reasoning**

Refer to the given number, symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 5 € \$ 4 9 & & 4 € @ © 7 @ 7 9 1 8 # 8 % 5 £ (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a number?

A. 9

B. 4

C. 8

D. 3 **Q75 General Intelligence & Reasoning**

In a certain code language, "XANJ" is coded as "98" and "VLQG" is coded as "116". What is the code for "ZRHU" in that language?

A. 139

B. 130

C. 141

D. 146 

Q76 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

63 72 82 93 105 ?

A. 118



B. 120

C. 114

D. 116

Q77 General Intelligence & Reasoning

A, B, C, D, E, F and G are sitting around a circular table, facing the centre.

Only two people sit between F and C, when counted from the right of F. Only two people sit between C and A, when counted from the right of C. Only three people sit between F and G, when counted from the right of F. E sits to the immediate left of D.

How many people sit between D and F, when counted from the right of D?

A. 3

B. 2

C. 1

D. 4

**Q78 General Intelligence & Reasoning**

If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark (?) in the following equation?

65 B 7 D 912 A 6 C 98 = ?

A. 444

B. 471

C. 410

D. 401

**Q79 General Intelligence & Reasoning**

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some brinjals are peppers.
Some peppers are turnips.

Conclusions:

(I) Some brinjals are turnips.
(II) All turnips are peppers.

A. Only conclusion (II) follows.

B. Neither conclusion (I) nor (II) follows.



C. Both conclusions (I) and (II) follow.

D. Only conclusion (I) follows.

Q80 General Intelligence & Reasoning

KNSM is related to ORWQ in a certain way based on the English alphabetical order. In the same way, NQVP is related to RUZT. To which of the given options is GJOI related, following the same logic?

A. KOSL

B. KOSM

C. KNSL

D. KNSM

**General Awareness**

20 Questions • Answer Key

Q81 General Awareness

Where was the World Health Summit Regional Meeting, 2025, held?

A. Kolkata

B. Guwahati

C. Patna

D. New Delhi

**Q82 General Awareness**

In June 2025, Union Home Minister Amit Shah unveiled the Flood Hazard Zonation Atlas of which state?

A. Maharashtra

B. Gujarat

C. Assam



D. Himachal Pradesh



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Q83 General Awareness

Which political party has won the bye elections to the constituency of Ludhiana west held in June 2025?

A. Aam Aadmi Party



B. Indian National Congress

C. Punjab Seva Dal

D. Bhartiya Janata Party

Q84 General Awareness

Which team won the 2025 EFL Championship playoff final and secured promotion to the Premier League?

A. Southampton

B. Sunderland



C. Leeds United

D. Sheffield United

Q85 General Awareness

As per the Commission for Air Quality Management (CAQM)–revised Graded Response Action Plan (GRAP) for the entire NCR in November 2025, which measure was advanced from Stage II to Stage I?

A. Staggering timings for public offices in Delhi and key NCR districts

B. Complete ban on all construction activities across NCR

C. Allowing offices to work on 50% strength and the rest from home

D. Ensuring uninterrupted power supply to discourage use of DG sets

**Q86 General Awareness**

Which automobile company successfully conducted a launch and landing test of its first experimental reusable rocket on June 17, 2025, in Hokkaido, Japan?

A. Honda



B. Mitsubishi

C. Hyundai

D. Toyota

Q87 General Awareness

In April 2025, the Reserve Bank of India (RBI) mandated banks to move to the '.bank.in' domain by _____.

A. 30 May 2025

B. 31 December 2025

C. 31 March 2026

D. 31 October 2025

**Q88 General Awareness**

In November 2025, where will COP30 the UN Climate Change Conference be held?

A. Belém, Brazil



B. Quito, Ecuador

C. Nairobi, Kenya

D. Bangkok, Thailand

Q89 General Awareness

What is the title of Arundhati Roy's latest book, released in September 2025?

A. Mother Mary Comes to Me



B. The Ministry of Utmost Happiness

C. Azadi: Freedom. Fascism. Fiction

D. The Architecture of Modern Empire

Q90 General Awareness

"Operation Abhyaas", a nationwide civil defence mock drill held on 7 May 2025, was organized by which of the following in India?

A. Ministry of Finance

B. Ministry of Home Affairs



C. NITI Ayog

D. Indian Institute of Administrative Sciences

Q91 General Awareness

In May 2025, the Reserve Bank of India (RBI) approved the renaming of the North East Small Finance Bank to _____.

A. North East Regional Finance Bank Limited

B. Northeast Micro Finance Bank Limited

C. Slice Small Finance Bank Limited



D. Synergy Small Finance Bank Limited

Q92 General Awareness

Who holds the record for most IPL fifty-plus scores as of 2025?

A. Virat Kohli



B. Rohit Sharma

C. David Warner

D. Shikhar Dhawan



Q93 General Awareness

Which of the following institutions co-organised 'the Belém Health Action Plan' event with the WHO and other UN partners at COP30 in November 2025?

A. United Nations University (UNU) ✓

B. Global Institute of Public Health (GIPH)

C. National Institutes of Health (NIH)

D. World Trade Institute (WTI)

Q94 General Awareness

The Central Pollution Control Board (CPCB) introduced a new Blue Category for industries through a circular in February 2025. Which industries fall under it?

A. Textile and leather industries

B. Essential environmental services like waste-to-energy plants ✓

C. IT and software service providers such as Infosys

D. High-polluting industries like refineries

Q95 General Awareness

Which of the following organisations successfully flight-tested the nuclear-capable Agni-5 missile in August 2025?

A. Bharat Dynamics Limited (BDL)

B. Hindustan Aeronautics Limited (HAL)

C. Indian Space Research Organisation (ISRO)

D. Defence Research and Development Organisation (DRDO) ✓

Q96 General Awareness

The West Bengal workplace safety guidelines (2025) specify that night shifts for women must include _____.

A. at least 50% female security personnel on every shift

B. only women supervisors

C. at least two-third female staff or 20 women, whichever is higher

D. at least 10 women or one-third of the total staff, whichever is higher ✓

Q97 General Awareness

In March 2025, which 12-year-old swimmer set a record by completing the 17 km open-water swim from Gateway of India to Atal Setu?

A. Tanay Tushar Lad ✓

B. Rohan Mehta

C. Arjun Borse

D. Vihaan Sharma

Q98 General Awareness

In which of the following cities was the regional meeting with Waqf Boards held in October 2025?

A. Hyderabad

B. Delhi

C. Mumbai

D. Bengaluru ✓

Q99 General Awareness

On 24 July 2025, the Ministry of Ports, Shipping and Waterways hosted which event in New Delhi to deliberate on financial strategies for India's maritime future?

A. Port & Shipping Investment Summit, 2025

B. India Maritime Vision 2047 Conference

C. Maritime Financing Summit, 2025 ✓

D. Maritime Development Forum, 2025

Q100 General Awareness

Which of the following famous footballers was awarded the United States Presidential Medal of Freedom in January 2025, the highest civilian honour of the United States of America?

A. Luiz Suarez

B. Cristiano Ronaldo

C. Neymar Jr.

D. Lionel Messi ✓



General Science

25 Questions • Answer Key

Q1 General Science

Why do epithelial tissues have very little space between their cells?

- A. To facilitate movement of muscles
- B. To allow rapid blood flow
- C. To enable them to transmit electrical signals
- D. To create an effective barrier regulating permeability of substances



Q2 General Science

Which of the following is/are used in poultry farming?

- A. Sardines
- B. Catla
- C. Leghorn breed
- D. Prawns



Q3 General Science

Atomic radius is usually measured in:

- A. millimetres
- B. nanometres
- C. centimetres
- D. decimetres



Q4 General Science

Metals low in the activity series, such as gold and silver, are typically found in their free state in nature, because:

- A. they react vigorously with acids
- B. they are very unreactive
- C. they are highly reactive with oxygen and water
- D. they have very low melting points



Q5 General Science

Which of the following statements correctly explains the variety in the shape and size of cells?

- A. The shape and size of cells are related to the specific function they perform.
- B. The shape and size of cells are identical in plants and animals.
- C. The shape and size of all cells remain constant in every organism.
- D. The shape and size of cells depend only on the availability of water.



Q6 General Science

Which of the following analogies did Thomson use to describe his atomic model?

- A. Christmas pudding
- B. Nuclear core-shell
- C. Solar system
- D. Planetary system



Q7 General Science

The main iron gate of your building rusts over time due to:

- A. pollution
- B. moisture and oxygen
- C. dirt
- D. high temperature



Q8 General Science

Select the correct reason as to why glucose and alcohol do NOT conduct electricity?

- A. They are acidic in nature.
- B. They do not form ions in solution.
- C. They are made of metal.
- D. They evaporate quickly.



Q9 General Science

Which of the following is an asexual method of reproduction in organisms like amoeba?

- A. Fragmentation
- B. Binary fission
- C. Spore formation
- D. Budding

Q10 General Science

Which of the following is the correct reason for NOT being able to hear sound on the Moon?

- A. The Moon has no atmosphere.
- B. The Moon is very far away from the Earth.
- C. The Moon is very cold.
- D. The Moon has craters.

Q11 General Science

Which of the following statements is/are correct?

A) When a compound consists of a metal and a non-metal, the name or symbol of the metal is written first.
B) When a compound consists of a metal and a non-metal, the name or symbol of the non-metal is written first.
C) The valency or charges on the ion must balance.

- A. Only A
- B. Only C
- C. A, B and C
- D. Only A and C

Q12 General Science

A solid cube of wood has a density less than water. When it is placed in water, which of the following statements is correct?

- A. The cube will remain suspended in the middle of water.
- B. The cube will float with its entire volume above the water surface.
- C. The cube will float partially submerged, displacing water equal to its weight.
- D. The cube will completely sink to the bottom.

Q13 General Science

Fish have hearts with _____ chambers and their blood passes through the heart only _____ in one complete cycle.

- A. two; once
- B. three; twice
- C. two; twice
- D. four; once

Q14 General Science

Which of the following spiny seeds with hooks are dispersed by animals by attaching to their bodies?

- A. Drumstick
- B. Madar
- C. Sunflower
- D. Xanthium

Q15 General Science

A lens with a shorter focal length (f) has _____.

- A. More power
- B. Equal power as a lens with a longer focal length (f)
- C. Zero power
- D. Less power

Q16 General Science

Which of the following is NOT an example of inertia?

- A. Dust falling off a carpet when beaten
- B. A ball rolling on a frictionless surface forever
- C. A book sliding on a rough surface and stopping
- D. Passenger falling forward when a bus stops suddenly

Q17 General Science

Which of the following contrasting visible characters of garden peas are NOT used by Mendel?

- A. Green/white seeds
- B. Tall/short plants
- C. White/violet flowers
- D. Round/wrinkled seeds



Q18 General Science

Which crop variety improvement method involves selecting parents with desirable traits and crossing them?

A. Hybridisation ✓

B. Mutation

C. Tissue Culture

D. Genetic Engineering

Q19 General Science

Which of the following statements accurately describes the characteristic of electrons in an atom?

A. They are positively charged.

B. They revolve around the nucleus in fixed orbits. ✓

C. They have the same mass as protons.

D. They are located in the nucleus.

Q20 General Science

The fundamental property that qualifies magnetic field as a vector quantity is that it possesses both _____.

A. mass and density

B. force and time

C. direction and magnitude ✓

D. charge and potential difference

Q21 General Science

What is the dark layer that develops on silver upon its corrosion?

A. Copper oxide

B. Silver sulphide ✓

C. Iron oxide

D. Zinc oxide

Q22 General Science

When an object is moved slowly and gradually closer to a convex mirror from infinity towards the pole (P), what can we say about the image?

A. Moves from the pole (P) towards the principal focus (F)

B. Moves from the principal focus (F) towards the pole (P) ✓

C. Moves away from the mirror

D. Remains at the principal focus (F)

Q23 General Science

A stone tied to a string and whirled in a circle exhibits _____.

A. non-uniform motion

B. circular motion ✓

C. uniform straight-line motion

D. linear motion with increasing speed

Q24 General Science

Which of the following forms of energy will be possessed by a body of mass 'm' moving with a uniform velocity 'v'?

A. Heat Energy

B. Kinetic Energy ✓

C. Potential Energy

D. Sound Energy

Q25 General Science

Three resistors of $2\ \Omega$, $3\ \Omega$, and $5\ \Omega$ are connected in series. The total resistance is:

A. $3.33\ \Omega$

B. $1\ \Omega$

C. $0.1\ \Omega$

D. $10\ \Omega$ ✓

Mathematics

25 Questions • Answer Key

Q26 Mathematics

The average age of 39 students of a class is 27 years. If the age of the teacher is also included, the average age of the whole group becomes 28 years. The age (in years) of the teacher is:

A. 68

B. 70

C. 67 ✓

D. 69

Q27 Mathematics

A girl goes to school at a speed of 9 km/hr. She comes back with a speed of 45 km/hr. Find her average speed for the whole journey.

A. 7 km/hr

B. 20 km/hr

C. 22 km/hr

D. 15 km/hr ✓



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Q28 Mathematics

Find the simple interest (in ₹) on ₹2,000 at 7% per annum rate of interest for the period from 6 February 2023 to 20 April 2023.

A. 26

B. 28

C. 27

D. 29

Q29 Mathematics

A, B and C can do a piece of work in 2, 24 and 8 days, respectively. How long (in days) will they take to do twice the same work, working together?

A. 9

B. 4

C. 3

D. 6

Q30 Mathematics

If $2x + 3y = 8$ and $4x^2 + 9y^2 = 32$, find the value of $8x^3 + 27y^3$.

A. 112

B. 142

C. 128

D. 106

Q31 Mathematics

A and B together can complete a piece of work in 12 days, B and C together can do it in 15 days, and C and A together can finish it in 20 days. Find the ratio of the number of days taken by B and C to complete the work individually.

A. 1:3

B. 3:5

C. 5:7

D. 2:3

Q32 Mathematics

The volume (in m^3) of a cube, each edge of which is 45 m, is:

A. 91128

B. 91321

C. 91125

D. 91057

Q33 Mathematics

What is the HCF of 32, 28, and 24?

A. 2

B. 4

C. 8

D. 6

Q34 Mathematics

The fourth proportion to 24, 3 and 16 is the same as the third proportion to A and 20. What is the value of A?

A. 200

B. 199

C. 202

D. 201

Q35 Mathematics

Find the sum of the squares of x and y, given that the number $83y547x$ is divisible by 72.

A. 23

B. 13

C. 43

D. 53

Q36 Mathematics

The interior angle of a regular polygon is 156° . How many sides does this polygon have?

A. 12

B. 15

C. 14

D. 13

Q37 Mathematics

A dealer allowed a 65% discount on an article and was still able to manage an 82% profit. Find the ratio of the cost price to the listed price.

A. 6 : 29

B. 7 : 32

C. 5 : 26

D. 2 : 33



Q38 Mathematics

The average of 13 numbers is 92. If the first 7 numbers are 30, 32, 46, 81, 110, 73 and 20, then what will be the average of the remaining numbers?

- A. 135
- B. 139
- C. 131
- D. 134

**Q39 Mathematics**

If the marked price of an article is ₹2,400 and the discount is 16%, then the selling price of the article is:

- A. ₹2,166
- B. ₹2,060
- C. ₹2,016
- D. ₹2,216

**Q40 Mathematics**

The price of fuel decreases by 50%, 30% and 50% in three successive months, but increases by 65% in the fourth month. What is the percentage increase/decrease in the price of fuel in the fourth month as compared to its original price? (Rounded off to two decimal places)

- A. Decreases by 71.13%
- B. Decreases by 75.87%
- C. Increases by 67.43%
- D. Increases by 72.43%

**Q44 Mathematics**

A dealer incurs a loss of 5% if he sells an article for ₹1805. At what price must he sell the article so as to gain 5% on that article?

- A. ₹2005
- B. ₹2105
- C. ₹1985
- D. ₹1995

**Q45 Mathematics**

If 20% of 10% of $\frac{3}{4}$ of a number is 882, find the number.

- A. 59780
- B. 62560
- C. 61960
- D. 58800

**Q41 Mathematics**

₹2,037 is divided among Vikas, Tina, and Sumit in such a way that if ₹23, ₹42, and ₹52 are deducted from their respective shares, they have money in the ratio 14:19:15. Find the actual share of Tina.

- A. ₹660
- B. ₹910
- C. ₹802
- D. ₹610

**Q42 Mathematics**

At a stationery shop, the total cost of 2 red pens and 3 blue pens is ₹78. On the other hand, the total cost of 3 red pens and 2 blue pens is ₹72. What is the combined cost of one red pen and one blue pen?

- A. ₹26
- B. ₹33
- C. ₹36
- D. ₹30

**Q43 Mathematics**

The sum of the present ages of a mother and daughter is 42 years. After 5 years, the mother will be 3 times as old as her daughter at that time. Find the ratio of the daughter's present age to the mother's age after 4 years.

- A. 6 : 19
- B. 6 : 17
- C. 4 : 17
- D. 4 : 19



Q46 Mathematics

The average speed of a car running at 70 km/hr for 1 hour and 'p' km/hr for $1\frac{1}{2}$ hours is 52 km/hr. Find the value of p.

A. 52.5

B. 57.5

C. 60

D. 40

**Q47 Mathematics**

Find the value of $\left\{\left(\frac{1}{3}\right)^{-2} - \left(\frac{1}{2}\right)^{-3}\right\} \div \left(\frac{1}{4}\right)^{-2} + \left\{\left(\frac{-3}{2}\right)^4 \times \left(\frac{5}{3}\right)^4\right\}$.

A. $\frac{402}{11}$ B. $\frac{125}{3}$ C. $\frac{313}{8}$ D. $\frac{208}{7}$ **Q48 Mathematics**

If $\sin \theta = \frac{3}{5}$, find the value of $\cos \theta$. (θ is in the first quadrant)

A. $\frac{4}{5}$ B. $\frac{5}{4}$ C. $\frac{3}{5}$ D. $\frac{5}{6}$ **Q49 Mathematics**

A hollow cylindrical pipe has an outer radius of 7 cm and an inner radius of 5 cm. If the pipe is 42 cm long and made of metal with a density of 5 g/cm³, what is the mass of the pipe?

$\left(\text{Use } \pi = \frac{22}{7} \text{ and Density} = \frac{\text{Mass}}{\text{Volume}}\right)$

A. 15.98 kg

B. 15.84 kg

C. 15.72 kg

D. 15.56 kg



Q50 Mathematics

$\frac{1}{30}$ is what percentage of $\frac{2}{70}$? (Round off the answer to two decimal places.)

A. 126.67%

B. 233.33%

C. 116.67%



D. 131.67%

General Intelligence & Reasoning

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

This question is based on the five, three-digit numbers given below.

(Left) 453 125 410 183 473 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

What will be the resultant if the third digit of the highest number is added to the third digit of the lowest number?

A. 5

B. 7

C. 8



D. 11

Q52 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

125 142 157 170 181 ?

A. 190



B. 187

C. 193

D. 191

Q53 General Intelligence & Reasoning

Sunil starts from point A and drives 64 km towards West. He then takes a left turn, drives 60 km, turns left and drives 67 km. He then takes a left turn and drives 78 km. He takes a final left turn, drives 3 km and stops at point P. How far (shortest distance) and towards which direction should he drive in order to reach point A again? (All turns are 90-degree turns only, unless specified.)

A. 17 km to the South

B. 18 km to the South



C. 19 km to the north

D. 20 km to the north

Q54 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 4 1 7 9 2 2 7 9 9 9 4 7 7 8 9 1 8 6 2 1 2 2 8 (Right)

How many such even numbers are there, each of which is immediately preceded by an even number and also immediately followed by an odd number?

A. Two



B. None

C. Three

D. One

Q55 General Intelligence & Reasoning

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

HTU : LQY

PNC : TKG

A. XHK : BEO



B. SLZ : WGD

C. HCU : LAY

D. QYD : TUG



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Q56 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(106, 368, 237)
(114, 336, 225)

A. (146, 302, 224)



B. (246, 120, 186)

C. (118, 256, 189)

D. (304, 182, 253)

Q57 General Intelligence & Reasoning

KFHL is related to RMOS in a certain way based on the English alphabetical order. In the same way, MHJN is related to TOQU. To which of the given options is OJLP related, following the same logic?

A. VQSW



B. QVWS

C. VQWS

D. QVSW

Q58 General Intelligence & Reasoning

In a certain code language, 'some good questions' is coded as 'jm ik cd' and 'many good problems' is coded as 'cd rc gh'. How is 'good' coded in that language?

A. cd



B. ik

C. rc

D. jm

Q59 General Intelligence & Reasoning

What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$115 \times 5 - 14 \div 6 + 15 = ?$$

A. 70

B. 84

C. 78

D. 92

**Q60 General Intelligence & Reasoning**

Sunil starts from Point A and drives 57 km towards west. He then takes a left turn, drives 65 km, turns left and drives 67 km. He then takes a left turn and drives 78 km. He takes a final left turn, drives 10 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified)

A. 12 km to the south

B. 15 km to the north

C. 13 km to the south



D. 14 km to the north

Q61 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

32 40 31 41 ? 42

A. 26

B. 32

C. 30



D. 35

Q62 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

BOM DQL FSK HUJ ?

A. JVI

B. IVI

C. IWJ

D. JWI

**Q63 General Intelligence & Reasoning**

Six people, G, H, I, Q, R and S, are sitting in a straight line, facing north. Only three people sit between Q and I. G sits to the immediate left of I. No one sits to the right of S. Only one person sits between S and G. R sits to the immediate right of H. How many people sit between I and R?

A. Four

B. One



C. Three

D. Two



Q64 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All bananas are grapes.
No banana is a cucumber.

Conclusions:

(I): Some cucumbers are grapes.
(II): All grapes are cucumbers.

A. Neither conclusion (I) nor (II) follows



B. Both conclusions (I) and (II) follow

C. Only conclusion (II) follows

D. Only conclusion (I) follows

Q65 General Intelligence & Reasoning

Select the pair which follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.

AXB-FCG
IFJ-NKO

A. WTX-BYC



B. WTX-AYB

C. WSV-AXB

D. WSV-BYC

Q66 General Intelligence & Reasoning

Seven people - A, B, C, D, E, F and G are sitting in a straight line, facing north.

A sits fourth from the left end of the line. Only one person sits between A and B. Only three people sit between C and B. E sits third to the left of C. D sits second to the right of G. How many people sit between A and F?

A. Three

B. Two



C. One

D. None

Q67 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only).

(Left) 8 5 3 6 2 4 7 9 1 3 5 7 8 4 2 6 1 9 3 7 5 4 (Right)

How many numbers are perfect squares in the series (each number counted only once, regardless of repetitions)?

A. Two

B. Three



C. Four

D. One

Q68 General Intelligence & Reasoning

In a certain code language,
A + B means 'A is the son of B',
A - B means 'A is the brother of B',
A x B means 'A is the wife of B',
and A & B means 'A is the father of B'.

How is T related to M if 'T+O&R x N-M'?

A. Wife's brother

B. Wife's father

C. Brother's wife's father

D. Brother's wife's brother

**Q69 General Intelligence & Reasoning**

Six people, A, B, C, D, E and F, are sitting in a row, facing north. E sits to the immediate right of D. F sits fourth to the left of D. Only one person sits between B and D. C sits to the immediate left of B. A sits second to the left of E. Three of the following four options are alike in a certain way based on the given arrangement and thus form a group. Which is the option that DOES NOT belong to that group?

A. CB

B. BA

C. FE



D. AD

Q70 General Intelligence & Reasoning

If 'P' stands for 'x', 'Q' stands for '÷', 'R' stands for '-' and 'S' stands for '+', what will come in place of the question mark (?) in the following equation?

11 P 3 S (30 Q 5) P 2 R 15 S 6 P 2 = ?

A. 31

B. 42



C. 62

D. 54



Q71 General Intelligence & Reasoning

In a row of all 97 students facing north, Mr. Akte is 9th from the right end. If Mr. Memi is 18th to the left of Mr. Akte, what is Mr. Memi's position from the left end of the row?

A. 69th

B. 71st



C. 72nd

D. 70th

Q72 General Intelligence & Reasoning

If 1 is added to each odd digit and 1 is subtracted from each even digit in the number 3215674, what will be the difference between the highest and lowest digits in the new number thus formed?

A. 7



B. 4

C. 5

D. 6

Q73 General Intelligence & Reasoning

Refer to the given number series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 4 1 9 7 8 4 8 5 9 4 6 5 2 3 7 4 2 5 7 6 3 2 4 5 1 3
(Right)

How many such even digits are there, each of which is immediately preceded by an even digit and immediately followed by an odd digit?

A. One

B. Three

C. Four



D. Two

Q74 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. PS - NR



B. MQ - KO

C. KO - IM

D. GK - EI

Q75 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. US - ZS



B. QO - TO

C. SQ-VQ

D. AY-DY

Q76 General Intelligence & Reasoning

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

Some Hammers are Screwdrivers.

No Screwdrivers are Wrenches.

All Wrenches are Pliers.

Conclusions:

(I) Some Wrenches are Screwdrivers.

(II) Some Screwdrivers are Pliers.

A. Only conclusion (I) is true.

B. Only conclusion (II) is true.

C. Both conclusions (I) and (II) are true.

D. Neither conclusion (I) nor (II) is true.

**Q77 General Intelligence & Reasoning**

In a row of 54 people facing north, Mohit sits 22nd from the right end. If Charu sits 15th from the left end of the row, how many people sit between Mohit and Charu?

A. 18

B. 17



C. 15

D. 16

Q78 General Intelligence & Reasoning

In a certain code language, 'VALE' is coded as '3751' and 'ULVA' is coded as '1397'. What is the code for 'U' in the given code language?

A. 7

B. 1

C. 9



D. 3



Q79 General Intelligence & Reasoning

Which of the following number will replace the question mark (?) in the given series?

23, 24, 26, 32, 56, 176, ?

A. 384

B. 568

C. 782

D. 896

**Q80 General Intelligence & Reasoning**

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

CYB 48 DZC 53 EAD 58 FBE 63 ?

A. GHJ 67

B. GBE 67

C. GCF 68



D. GDE 68

General Awareness

20 Questions • Answer Key

Q81 General Awareness

As per the World Bank's Spring 2025 report, how many people did India lift out of extreme poverty over the past decade?

A. 171 million



B. 250 million

C. 100 million

D. 211 million

Q84 General Awareness

The Fit India Movement's premier cycling event, promoting fitness and pollution solutions, was staged at Mumbai's Gateway of India in February 2025, under what name?

A. Cycle for Health

B. Wheels for Wellness

C. Fit India Cycling Marathon

D. Sundays on Cycle

**Q82 General Awareness**

Which of the following platforms was the venue where Indian Prime Minister Narendra Modi announced the resumption of India-China direct flights after more than five years in August 2025?

A. SCO



B. ASEAN

C. BRICS

D. G20

Q85 General Awareness

What is the rank of India in the World Economic Forum's 2025 Energy Transition Index?

A. 71st



B. 91st

C. 61st

D. 81st

Q83 General Awareness

Which of the following agencies conducted maiden flight-tests of an Integrated Air Defence Weapon System in August 2025?

A. National Defence Academy (NDA)

B. Indian Space Research Organisation (ISRO)

C. Defence Research and Development Organisation (DRDO)



D. Defence Space Agency (DSA)

Q86 General Awareness

In September 2025, ISRO, IN-SPACe and NewSpace India Limited (NSIL) jointly signed the 100th technology transfer agreement for Small Satellite Launch Vehicle (SSLV) production. Which organisation partnered with them for manufacturing?

A. L&T Defence

B. Hindustan Aeronautics Limited



C. BHEL Aerospace Division

D. Bharat Electronics Ltd.



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Q87 General Awareness

Which of the following Indian states conducted a large-scale disaster drill in November 2025, focusing on oil and chemical disaster preparedness at major industrial hubs?

A. Gujarat



B. Tamil Nadu

C. Maharashtra

D. West Bengal

Q88 General Awareness

According to the PIB release 'Proactive Measures taken by CAQM to contain Air Pollution' (10 November 2025), farm fire incidents in Haryana between 15 September and 9 November 2025 fell by roughly what percentage compared to the same period in 2024?

A. About 45%

B. About 65%



C. About 35%

D. About 25%

Q89 General Awareness

On which date is International Sex Workers' Day observed annually in India?

A. 3 May

B. 10 May

C. 11 June

D. 2 June

**Q90 General Awareness**

When was the UNDP Human Development Report 2025, based on 2023 data, released?

A. 6 May 2025



B. 1 June 2025

C. 20 March 2025

D. 22 April 2025

Q91 General Awareness

In February 2025, the Union Budget 2025–26 announced the establishment of which board in Bihar?

A. Bihar Agricultural Processing Board

B. Makhana Board



C. Eastern Food Processing Board

D. Foxnut Development Board

Q92 General Awareness

Where were the 2025 World Athletics Indoor Championships held?

A. Portland, USA

B. Birmingham, UK

C. Doha, Qatar

D. Nanjing, China

**Q93 General Awareness**

When and where will the 2025 Ballon d'Or ceremony take place?

A. June in Rome

B. October in Madrid

C. September in Paris



D. July in London

Q94 General Awareness

As per the Reserve Bank of India (RBI) guidelines, in the event of a name change by a bank (as happened with North East Small Finance Bank Limited in May 2025), existing cheque books and IFSC codes will ____.

A. be temporarily suspended

B. require re-issuance

C. become invalid

D. remain valid

**Q95 General Awareness**

The Digi Yatra, which is a product for citizens by the Ministry of Civil Aviation, received the National e-Governance Award in 2025 in which category?

A. Gold



B. Bronze

C. Jury

D. Silver

Q96 General Awareness

Which summit in July 2025 emphasised Global South cooperation under Brazil's chairmanship?

A. G7 Summit

B. APEC Summit

C. BRICS Summit



D. ASEAN Summit



Q97 General Awareness

How many sports were featured in the Khelo India Youth Games, 2025?

- A. 29
- B. 27
- C. 30
- D. 28

**Q98 General Awareness**

During the National Conference on 'Opportunities of Defence Manufacturing in the Country' (October 7, 2025), which new portal was launched in India to streamline export and import authorisations in the defence sector?

- A. Mission Indigenisation Portal
- B. Make in India Portal
- C. Bharat Tech Portal
- D. Defence Exim Portal

**Q99 General Awareness**

Who received the Sahitya Akademi Translation Prize 2024 (awarded in March 2025) for translating a Malayalam autobiography into Tamil?

- A. P Vimala
- B. Uttara Bwiswmuthiary
- C. Chandan Negi
- D. Madan Soni

**Q100 General Awareness**

The International Big Cat Alliance became a treaty-based organisation in January 2025. Under which ministry does it operate?

- A. Ministry of Fisheries, Animal Husbandry and Dairying
- B. Ministry of Jal Shakti
- C. Ministry of Tourism
- D. Ministry of Environment, Forest & Climate Change



General Science

25 Questions • Answer Key

Q1 General Science

Which of the following statements is correct about acceleration?

- A. Acceleration is positive when it is opposite to the direction of velocity.
- B. The SI unit of acceleration is m/s.
- C. Acceleration is always positive, regardless of direction.
- D. Acceleration is negative when it acts opposite to the direction of velocity. ✓

Q2 General Science

Which of the following is the correct sequence of events of sexual reproduction?

- A. Embryo → Zygote → Fertilisation → Foetus
- B. Fertilisation → Zygote → Embryo → Foetus ✓
- C. Zygote → Fertilisation → Embryo → Foetus
- D. Foetus → Embryo → Zygote → Fertilisation

Q3 General Science

Which of the following refining methods is very important commercially?

- A. Ionic methods
- B. Chemical methods ✓
- C. Physical methods
- D. Electrochemical methods

Q4 General Science

For a body moving in a straight line, if the distance covered from point A to point B is 10 km, then which of the following statements is true regarding the displacement of the body from point A to point B?

- A. The displacement is equal to 10 km. ✓
- B. The displacement is always zero.
- C. The displacement must be greater than 10 km.
- D. The displacement is always less than 10 km.

Q5 General Science

A rainbow, which is a natural spectrum appearing in the sky after a rain shower, is primarily caused by which action of water droplets on sunlight?

- A. Refraction and dispersion, followed by internal reflection, and then final refraction ✓
- B. Only total internal reflection
- C. Internal reflection followed by scattering
- D. Light bending due to changes in air density

Q6 General Science

Heating calcium carbonate produces calcium oxide and carbon dioxide. This is an example of which type of chemical reaction?

- A. Decomposition ✓
- B. Double displacement
- C. Combination
- D. Displacement

Q7 General Science

Which statement accurately describes a key difference between mixtures and compounds regarding separation?

- A. Their components can be separated by physical methods. ✓
- B. They have a sharp melting and boiling point.
- C. They are always formed with an absorption of heat.
- D. The identity of the original substances is lost.

Q8 General Science

Which of the following shows the correct chain of events when a vibrating body produces sound?

- A. Sound → Vibration → Medium vibration → Ear detects
- B. Vibration → Particles of medium vibrate → Sound wave propagates → Sound is heard ✓
- C. Vibration → Electricity → Sound
- D. Vibration → Light → Heat → Sound



Q9 General Science

Which of the following is NOT correct?

A. Pressure in a fluid depends on the shape of the container ✓

B. Pressure in a fluid acts in all directions

C. Pressure in a fluid increases with depth

D. Pressure = force/area

Q10 General Science

Which of the following is a form of mechanical energy?

A. Kinetic energy ✓

B. Heat energy

C. Chemical energy

D. Sound energy

Q11 General Science

In galvanisation process, which of the following metals is used to depositing the layer on iron?

A. Zinc ✓

B. Silver

C. Platinum

D. Iron

Q12 General Science

The correct IUPAC name of CH_3COCH_3 is:

A. propanone, a ketone with the carbonyl on the middle carbon ✓

B. propanal, with an aldehyde group on a three-carbon chain

C. propanoic acid, with a carboxylic acid at the terminal carbon

D. propene, an alkene with a double bond between two carbons

Q13 General Science

Select the option that is true regarding the following two statements labelled Assertion (A) and Reason (R).

Assertion (A): Precipitation reactions produce soluble salts.

Reason (R): Precipitation reactions involve exchange of ions in solution.

A. Both A and R are true, and R is the correct explanation of A.

B. Both A and R are true, and R is not the correct explanation of A.

C. A is true, but R is false.

D. A is false, but R is true. ✓

Q14 General Science

Which of the following reactions is an example of a precipitation reaction?

A. $\text{Zn} + \text{H}_2\text{SO}_4 \rightarrow \text{ZnSO}_4 + \text{H}_2\uparrow$

B. $\text{CaCO}_3 \rightarrow \text{CaO} + \text{CO}_2\uparrow$

C. $\text{NaOH} + \text{HCl} \rightarrow \text{NaCl} + \text{H}_2\text{O}$

D. $\text{AgNO}_3 + \text{NaCl} \rightarrow \text{AgCl}\downarrow + \text{NaNO}_3$ ✓

Q15 General Science

Which type of muscular tissue is present in the wall of the stomach?

A. Cardiac muscle tissue

B. Fluid connective tissue

C. Smooth muscle tissue ✓

D. Skeletal muscle tissue

Q16 General Science

The strength of the magnetic field around a straight wire depends on:

A. Voltage applied

B. Resistance of the wire

C. Length of the wire only

D. Current and distance from the wire ✓



Q17 General Science

Why does the Sun appear to rise earlier and set later than it actually does?

- A. Because of atmospheric refraction ✓
- B. Due to the Moon's gravitational influence on sunlight
- C. Due to the Earth's rotation slowing down during sunrise and sunset
- D. Because the Sun moves faster near the horizon

Q18 General Science

Which of the following performs the function of reflex action?

- A. Hypothalamus
- B. Cranium
- C. Pituitary gland
- D. Spinal cord ✓

Q19 General Science

Which of the following practices would conserve the natural forest cover and different forest products?

- A. Deforestation
- B. Grazing in green forest
- C. Burning of forest
- D. Promoting afforestation ✓

Q20 General Science

Which enzyme is responsible for the breakdown of complex sugar molecules into simple glucose in human beings?

- A. Pepsin
- B. Lipase
- C. Amylase ✓
- D. Bile Juice

Q21 General Science

Which type of molecule of an element is characterised by having only one type of atom?

- A. Diatomic
- B. Triatomic
- C. Monoatomic ✓
- D. Polyatomic

Q22 General Science

100 J of heat is produced in an electrical geyser when 1 A current flows through it for 10 secs. How much is the resistance of the geyser?

- A. $1\ \Omega$
- B. $100\ \Omega$
- C. $0.1\ \Omega$
- D. $10\ \Omega$ ✓

Q23 General Science

Which of the following organisms may help in pollination of a flower?

- A. Euglena
- B. Honey bee ✓
- C. Amoeba
- D. Plasmodium

Q24 General Science

Which of the following suits the best for the order of budding in organisms?

1. Bud Formation
2. Cytoplasmic Division
3. Nucleus Division
4. Detachment of Bud

- A. 1 – 2 – 3 – 4
- B. 2 – 1 – 3 – 4
- C. 3 – 1 – 2 – 4
- D. 1 – 3 – 2 – 4 ✓

Q25 General Science

Which of the following processes represents the most specific purpose of meiotic cell division?

- A. Excretion
- B. Respiration
- C. Digestion
- D. Reproduction ✓



Q26 Mathematics

A grocer marked his goods at 80% above their cost price and sold them at a discount of X%. If he gained 8% profit, then find the value of X.

- A. 38
- B. 37
- C. 41
- D. 40

**Q27 Mathematics**

Find the simple interest (in ₹) on ₹2,000 at 7% per annum rate of interest for the period from 4 February 2023 to 18 April 2023.

- A. 29
- B. 27
- C. 26
- D. 28

**Q28 Mathematics**

Two trains are running in opposite directions at the same speed. If the length of each train is 968 m and they cross each other in 22 seconds, then what is the speed of each train?

- A. 35 m/s
- B. 44 m/s
- C. 38 m/s
- D. 48 m/s

**Q29 Mathematics**

For 12 innings, a cricketer has an average of 52 runs. In the 13th inning, he scores 183 runs. His average score increased by _____. (Round off the answer to the nearest whole number.)

- A. 10
- B. 7
- C. 18
- D. 16

**Q30 Mathematics**

A teacher is currently four times as old as one of her students. Five years ago, she was seven times as old as the same student was at that time. What is the teacher's current age (in years)?

- A. 35
- B. 40
- C. 50
- D. 45

**Q31 Mathematics**

P and Q together can fill a cistern with water in 12 hours. If P alone can fill the cistern with water in 30 hours, then in how many hours will Q alone fill one-fourth of the same cistern with water?

- A. 5
- B. 6
- C. 11
- D. 10

**Q32 Mathematics**

If $x - y = 3$ and $xy = 18$, what is $x^2 - y^2$?

- A. 20
- B. 25
- C. 22
- D. 27

**Q33 Mathematics**

If the cost of painting the whole surface area of a cubical structure, at the rate of 23 paise per cm^2 , is ₹1,006.02, then find the volume of the cubical structure (in cm^3).

- A. 19,676
- B. 19,683
- C. 19,688
- D. 19,691

**Q34 Mathematics**

If 20% of a number is added to 60, then the result is the same number. 70% of the same number is:

- A. 52.5
- B. 82.5
- C. 62.5
- D. 72.5



Q35 Mathematics

After allowing a discount of 54% on the marked price of an article, it is sold for ₹29,946. Find its marked price (in ₹).

A. 65,100



B. 65,322

C. 64,998

D. 65,144

Q36 Mathematics

Which of the following numbers is divisible by 3?

A. 245

B. 123



C. 557

D. 781

Q37 Mathematics

The arithmetic mean of the observations 42, 29, 42, 58, 18, 39, 41, 79 and 93 is:

A. 58

B. 49



C. 46

D. 47

Q38 Mathematics

The price of fuel decreases by 30%, 25% and 45% in three successive months, but increases by 45% in the fourth month. What is the percentage increase/decrease in the price of fuel in the fourth month as compared to its original price? (Round off the answer to two decimal places.)

A. Increases by 59.54%

B. Increases by 64.88%

C. Decreases by 58.13%



D. Decreases by 57.65%

Q43 Mathematics

$\frac{1}{20}$ is what percentage of $\frac{11}{20}$? (Rounded off to two decimal places.)

A. 24.09%

B. 9.09%



C. 18.18%

D. 19.09%

Q39 Mathematics

Arun and Manish can do a piece of work in 15 days. Manish and Tarun can do the same work in 12 days and Tarun and Arun can do it in 10 days. Find the time taken by Arun alone to complete the same work.

A. 24 days



B. 18 days

C. 25 days

D. 22 days

Q40 Mathematics

In $\triangle ABC$, $BD \perp AC$ at D and $\angle DBC = 33^\circ$. E is a point on BC such that $\angle CAE = 70^\circ$. What is the measure of $\angle AEB$?

A. 127°



B. 132°

C. 135°

D. 131°

Q41 Mathematics

A local cinema charges ₹150 per youth ticket and ₹250 per adult ticket. One evening, the theater sold a total of 200 tickets, collecting ₹38,000 in revenue. Find out how many youth tickets and how many adult tickets were sold?

A. 120 youth tickets and 80 adult tickets



B. 90 youth tickets and 110 adult tickets

C. 80 youth tickets and 120 adult tickets

D. 100 youth tickets and 100 adult tickets

Q42 Mathematics

A total profit of ₹27,600 is to be distributed amongst A, B and C such that $A : B = 18 : 6$ and $B : C = 7 : 12$. The share (in ₹) of C in the profit is:

A. 8,430

B. 8,280



C. 8,230

D. 8,180



Q44 Mathematics

ABCD is a parallelogram. P and Q are two points lying on the sides DC and AD, respectively. The area of ΔAPB is equal to:

- A. the area of ΔDQC
- B. the area of ΔBQC ✓
- C. the area of $(\Delta BQC + \Delta ABQ)$
- D. half of the area of quadrilateral ABPD

Q45 Mathematics

A point lies on the ground such that its distance from the top of a building is twice its distance from the bottom, which is 15 units. Find the height (in units) of the building.

- A. $10\sqrt{2}$
- B. $15\sqrt{3}$ ✓
- C. $10\sqrt{3}$
- D. $15\sqrt{2}$

Q46 Mathematics

$$\frac{5}{72} \frac{1}{6} \frac{5}{36} \frac{7}{12}$$

- A. $\frac{5}{72}$ ✓
- B. $\frac{7}{12}$
- C. $\frac{5}{36}$
- D. $\frac{1}{6}$

Q47 Mathematics

Simplify: $\sqrt{8} + 2\sqrt{32} - \sqrt{128} + 2\sqrt{50}$

- A. $4\sqrt{2}$
- B. $3\sqrt{2}$
- C. $12\sqrt{2}$ ✓
- D. $\sqrt{2}$



Q48 Mathematics

A person buys a book for ₹300 and sells it for ₹335. What will be his gain percentage?

A. $11\frac{2}{3}\%$ ✓

B. $11\frac{1}{3}\%$

C. $11\frac{5}{3}\%$

D. $11\frac{4}{3}\%$

Q49 Mathematics

A man has to cover a distance of 132 km in 14 hours. If he covers two-thirds of this distance in $\frac{3}{7}$ th of the time, then what should be his speed (in km/hr) to cover the remaining distance in the remaining time?

A. 5.5 ✓

B. 3.8

C. 7.3

D. 12.7

Q50 Mathematics

What will come in place of 'X' and $X > 0$ in the equation $\frac{X}{75} = \frac{12}{X}$?

A. 28

B. 31

C. 33

D. 30 ✓

General Intelligence & Reasoning

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

IGFG is related to ECBC in a certain way based on the English alphabetical order. In the same way, TRQR is related to PNMN. To which of the given options is FD CD related, following the same logic?

A. BZXZ

B. BZYZ ✓

C. BAXG

D. BYXZ

Q52 General Intelligence & Reasoning

If 1 is added to each odd digit and 1 is subtracted from each even digit in the number 632517, what will be the sum of the greatest and smallest digits in the new number thus formed?

A. 10

B. 9 ✓

C. 8

D. 7



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Q53 General Intelligence & Reasoning

If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', then what will come in place of the question mark (?) in the following equation?

$$41\ C\ 9\ B\ 12\ A\ 4\ D\ 10 = ?$$

A. 54

B. 58 

C. 64

D. 50

Q54 General Intelligence & Reasoning

Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) 3 3 > + / \ ^ # + @ 7 9 3 6 \$ \ + 9 > 6 & (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a number?

A. Two

B. Three

C. None

D. One **Q55 General Intelligence & Reasoning**

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only).

(Left) 7 3 1 4 9 2 6 5 8 3 7 1 9 4 2 5 6 8 7 3 9 4 (Right)

How many unique numbers in the series are greater than 7 (each number counted only once, regardless of repetitions)?

A. Three

B. Two 

C. One

D. None

Q56 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some silver are gold.

Some silver are cash.

Some gold are fortune.

Conclusions:

(I): Some silver are fortune.

(II): Some gold are cash.

A. Only conclusion (II) follows

B. Only conclusion (I) follows

C. Both conclusions (I) and (II) follow

D. Neither conclusion (I) nor (II) follows **Q57 General Intelligence & Reasoning**

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. OQ-MO

B. DF-BD

C. UW-SU

D. IK-FK **Q58 General Intelligence & Reasoning**

In a certain code language,

'A + B' means 'A is the mother of B',

'A - B' means 'A is the brother of B',

'A x B' means 'A is the wife of B',

'A % B' means 'A is the father of B' and

'A # B' means 'A is the daughter of B'.

How is T related to P if 'T # Q % C % N # P'?

A. Brother's wife

B. Father's sister

C. Husband's sister 

D. Husband's father



Q59 General Intelligence & Reasoning

Seven people, P, Q, R, S, T, U and V, are sitting in a row, facing north. Q is seated third from the right end. V is third to the left of S. T is seated to the right of Q and at one of the ends. Only two people are seated between U and T. P does not sit at any of the extreme ends.

Who is seated second from the right end?

A. Q

B. V

C. S



D. U

Q60 General Intelligence & Reasoning

ACEH is related to GIKN in a certain way based on the English alphabetical order. In the same way, KMOR is related to QSUX. To which of the given options is JLNQ related, following the same logic?

A. PSSB

B. PRTW



C. PRSW

D. PQSW

Q61 General Intelligence & Reasoning

Tufail walks 100 m towards the north. From there, he turns right and walks 220 m. Again, he turns right and walks 121 m. In which direction is he with reference to his starting point?

(Note: All turns are 90° turns only unless specified.)

A. Northwest

B. Southwest

C. Northeast

D. Southeast

**Q62 General Intelligence & Reasoning**

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

FEA 40 EDZ 32 DCY 24 CBX 16 ?

A. BZV 7

B. BEI 7

C. BBV 8

D. BAW 8

**Q63 General Intelligence & Reasoning**

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some bins are tins.

All tins are pins.

Conclusions:

(I): Some bins are pins.

(II): All pins are tins.

A. Only conclusion (II) follows

B. Neither conclusion (I) nor (II) follows

C. Both conclusions (I) and (II) follow

D. Only conclusion (I) follows

**Q64 General Intelligence & Reasoning**

Six neighbours — Amrita, Maria, Ruhi, Sunita, Ishaan and Vaibhav — are sitting around a circular table, facing the centre. Amrita is sitting second to the left of Maria. Ruhi is an immediate neighbour of both Maria and Sunita. Ishaan is sitting second to the right of Vaibhav.

Who is sitting between Amrita and Maria, when counted from the right of Amrita?

A. Vaibhav

B. Ruhi

C. Sunita

D. Ishaan

**Q65 General Intelligence & Reasoning**

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting / multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(86, 154, 120)

(98, 172, 135)

A. (156, 240, 298)

B. (104, 156, 130)



C. (116, 158, 139)

D. (168, 270, 229)



Q66 General Intelligence & Reasoning

This question is based on the five, three-digit numbers given below.

(Left) 192 574 563 189 567 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

What will be the resultant if the third digit of the highest number is added to the second digit of the lowest number?

A. 12



B. 13

C. 11

D. 15

Q67 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

16 40 64 88 112 ?

A. 133

B. 135

C. 134

D. 136

**Q68 General Intelligence & Reasoning**

What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$12 \div 5 + 22 \times 2 - 6 = ? + 5$$

A. 60



B. 55

C. 45

D. 65

Q69 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

HNF LSJ PXN TCR ?

A. WIV

B. YGW

C. XHV



D. WHU

Q70 General Intelligence & Reasoning

Five people, A, B, C, D and E, are sitting in a row, facing north. Only two people sit between A and B. Only B sits between D and E. E sits second to the left of A. Who sits at the extreme left end of the row?

A. D



B. C

C. B

D. E

Q71 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. XU-WT

B. KH-JG

C. AX-YY



D. HE-GD

Q72 General Intelligence & Reasoning

In a row of people all facing north, Jimmy is 19th from the left end. Shlok is 23rd from the left end and Shlok is exactly between Jimmy and Ray. If Ray is 9th from the right end of the row, how many people are there in the row?

A. 33

B. 35



C. 34

D. 31

Q73 General Intelligence & Reasoning

ESQZ is related to JXVT in a certain way based on the English alphabetical order. In the same way, MGHM is related to RLMG. To which of the given options is LKJN related, following the same logic?

A. QPOH



B. OQOI

C. OPQH

D. QQOI



Q74 General Intelligence & Reasoning

Refer to the given series and answer the question that follows. (All numbers are single digit numbers only.) Counting to be done from left to right only.

(Left) 5 5 1 7 4 4 7 5 9 5 5 3 2 2 2 7 1 1 3 9 3 5 2 8 5 1 9
(Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

A. 11

B. 12

C. 13

D. 14

Q75 General Intelligence & Reasoning

Pramod starts from Point A and drives 43 km towards the north. He then takes a left turn, drives 45 km, turns left and drives 56 km. He then takes a left turn and drives 64 km. He takes a final left turn, drives 13 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 19 km to the west

B. 22 km to the east

C. 17 km to the west

D. 20 km to the east

Q76 General Intelligence & Reasoning

In a certain code language, YISB is coded as 110 and PKJQ is coded as 108. What is the code for CNXR in that language?

A. 113

B. 111

C. 120

D. 118

Q77 General Intelligence & Reasoning

In a row of all 91 students facing north, Mr. Akte is 33rd from the left end. If Mr. Memi is 22nd to the right of Mr. Akte, what is Mr. Memi's position from the right end of the row?

A. 37th

B. 36th

C. 38th

D. 35th

Q78 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

3 ? 18 38 78 158

A. 10

B. 8

C. 6

D. 5

Q79 General Intelligence & Reasoning

In a certain code language, 'will you go' is coded as 'rt sj mn' and 'will kill you' is coded as 'sj rt pr'. How is 'kill' coded in the given language?

A. pr

B. sj

C. rt

D. mn

Q80 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

6 9 14 23 40 ?

A. 85

B. 79

C. 73

D. 81



Q81 General Awareness

Chhannulal Mishra, who passed away in October 2025, was noted for his contributions to which of the following fields?

- A. Hindustani classical music** ✓
- B. Folk music traditions
- C. Kathak dance
- D. Sanskrit and Vedic studies

Q82 General Awareness

Who became the first male field athlete to win the Laureus World Sportsman of the Year award in April 2025?

- A. Max Verstappen
- B. Jakob Ingebrigtsen
- C. Neeraj Chopra
- D. Armand Duplantis** ✓

Q83 General Awareness

Where was the 2024 Abu Dhabi Grand Prix held in December 2024?

- A. Suzuka International Racing Course
- B. Silverstone Circuit
- C. Circuit de Monaco
- D. Yas Marina Circuit on Yas Island** ✓

Q84 General Awareness

Which of the following organisations has successfully developed a new generation of man-portable autonomous underwater vehicles (MP-AUVs) for underwater mine detection missions, as per the Ministry of Defence announcement in November 2025?

- A. Hindustan Aeronautics Limited (HAL)
- B. Bharat Electronics Limited (BEL)
- C. Defence Research and Development Organisation (DRDO)** ✓
- D. Indian Space Research Organisation (ISRO)

Q85 General Awareness

Under the Pradhan Mantri Jan Dhan Yojana (PMJDY), what key activity did the Reserve Bank of India mandate during July–September 2025?

- A. Loan disbursements
- B. Re-KYC of accounts** ✓
- C. Account closures
- D. Fee hikes

Q86 General Awareness

Which of the following international organisations approved a programme to support women's employment in Tamil Nadu in 2025?

- A. United Nations
- B. Asian Development Bank
- C. International Monetary Fund
- D. World Bank** ✓

Q87 General Awareness

Who won the most Grand Prix races from January to June 2025?

- A. Lewis Hamilton
- B. Oscar Piastri** ✓
- C. Lando Norris
- D. Max Verstappen

Q88 General Awareness

Who among the following Indian scientists was awarded the COSPAR Harrie Massey Award in 2024?

- A. K Radhakrishnan
- B. Prahlad Chandra Agrawal** ✓
- C. G Madhavan Nair
- D. Udipi Ramachandra Rao

Q89 General Awareness

Which massive sports talent hunt, launched by Bihar CM Nitish Kumar in May 2025, involves participation from students of secondary and higher secondary schools?

- A. Khel Jyoti
- B. Lakshya
- C. Mashal** ✓
- D. Yuva Shakti



Q90 General Awareness

India has improved its Sustainable Development Goals (SDG) ranking by how many places in the 2025 edition of the Sustainable Development Report in comparison with 2024?

- A. 6
- B. 19
- C. 14
- D. 10

**Q91 General Awareness**

In the November 2025 bye-elections, which of the following political parties won the by-election from Budgam (Jammu & Kashmir)?

- A. Jammu & Kashmir Peoples Democratic Party
- B. Aam Aadmi Party
- C. Indian National Congress
- D. Bharatiya Janata Party

**Q92 General Awareness**

At the 25th IIFA Awards held in March 2025, which film won the Best Picture award?

- A. Article 370
- B. Stree 2
- C. Laapataa Ladies
- D. Bhool Bhulaiyaa 3

**Q93 General Awareness**

Who among the following is the Secretary-General of the United Nations as of 9 November 2025?

- A. Michelle Bachelet
- B. António Guterres
- C. Kofi Annan
- D. Ban Ki-moon

**Q94 General Awareness**

In September 2025, heavy rains caused flash floods and landslides in the Nandanagar block of which district, forcing a massive NDRF/SDRF operation?

- A. Pithoragarh
- B. Chamoli
- C. Almora
- D. Rudrapur

**Q95 General Awareness**

Which date has been declared as 'National Space Day' in India?

- A. 28 February
- B. 20 July
- C. 23 August
- D. 11 May

**Q96 General Awareness**

Which missile was showcased and debuted during Republic Day, 2025?

- A. BrahMos NG
- B. Nirbhay
- C. Agni-V
- D. Pralay

**Q97 General Awareness**

In 2025, under which scheme did Odisha CM Mohan Charan Majhi distribute ₹5,000 crore to around one crore women?

- A. Odisha Women Upliftment Programme
- B. Lakshmi Didi
- C. Mission Shakti
- D. Subhadra Yojana

**Q98 General Awareness**

As per Union Budget 2025-26, how much borrowing is planned via gross market borrowings in FY2025-26?

- A. ₹16 lakh crore
- B. ₹12.95 lakh crore
- C. ₹14.82 lakh crore
- D. ₹13 lakh crore

**Q99 General Awareness**

Who won Player of the Match in IPL 2025 final for RCB?

- A. Virat Kohli
- B. Prasidh Krishna
- C. Krunal Pandya
- D. Rajat Patidar



Q100 General Awareness

The Greenhouse Gas Emission Intensity (GEI) Target Rules, 2025, notified in October 2025 apply to which of the following industrial sectors?

A. Iron & steel, aluminium, coal, cement

B. Steel, cement, aluminium, textiles

C. Coal, power generation, cement, chemicals

D. Cement, aluminium, chlor-alkali, pulp & paper



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General Science

25 Questions • Answer Key

Q1 General Science

Which of the following statements is/are true about the loudness and softness of a sound wave?

- (i) A loud sound has less amplitude as compared to a soft sound.
- (ii) A loud sound has more energy associated with it as compared to a soft sound.
- (iii) The loudness of a sound wave is the measure of the response of the ear to the sound.

- A. Only (i)
- B. Both (ii) and (iii) ✓
- C. Only (iii)
- D. Both (i) and (ii)

Q2 General Science

An image is formed at a distance of 30 cm from a convex mirror when the object is placed 40 cm from the mirror. The magnification produced by the mirror will be _____.

- A. $-3/4$
- B. $+3/4$ ✓
- C. $-4/3$
- D. $+4/3$

Q3 General Science

In a substitution reaction involving an alkane, what happens to the hydrogen atoms of the alkane molecule?

- A. They are completely removed to form double bonds.
- B. They react with oxygen to form water.
- C. They are replaced by other atoms or groups of atoms. ✓
- D. They are added to the molecule to form a larger chain.

Q4 General Science

Which of the following is NOT a property associated with compounds?

- A. The composition of each new substance is always fixed.
- B. Elements react to form new compounds.
- C. The new substance has totally different properties.
- D. The constituents can be separated fairly easily by physical methods. ✓

Q5 General Science

Which of the following is NOT an example of a colloidal solution?

- A. Mist
- B. Milk
- C. Air ✓
- D. Smoke

Q6 General Science

Which of the following statements correctly compares vacuoles in plant and animal cells?

- A. Plant cells have large vacuoles, animal cells have small ones ✓
- B. Both plant and animal cells have equal-sized vacuoles
- C. Vacuoles are absent in both plant and animal cells
- D. Animal cells have larger vacuoles than plant cells

Q7 General Science

Which of the following statement(s) is /are true regarding the work done by a constant force acting on a body?

- (i) The work done by the force can never be zero.
- (ii) If the direction of the force and displacement of the body is same, the work done will be positive.
- (iii) The S.I. unit of work done is joule.

- A. Both (ii) and (iii) ✓
- B. Only (i)
- C. Both (i) and (iii)
- D. Only (ii)

Q8 General Science

Which of the following statements best explains why dry HCl gas does NOT change the colour of dry litmus paper, but aqueous HCl does?

- A. Litmus paper only works in the presence of light.
- B. HCl only releases H^+ ions when dissolved in water. ✓
- C. Dry HCl gas is non-acidic.
- D. Water reacts with litmus, not HCl.



Q9 General Science

Which of the following principles helps reduce pressure on the environment and promotes sustainable living?

- A. Extract as much as possible
- B. Produce more and consume more
- C. Reduce, Reuse, and Recycle ✓
- D. Use and discard

Q10 General Science

Covalent bonds are formed by the:

- A. loss of neutrons
- B. gaining of protons
- C. transfer of electrons
- D. sharing of electrons ✓

Q11 General Science

What is the meaning of the phrase "the DNA copies generated will be similar, but may not be identical"?

- A. All DNA copies are identical clones.
- B. The original DNA is destroyed after copying.
- C. DNA copies may have slight differences. ✓
- D. Each DNA copy is totally unrelated.

Q12 General Science

Which of the following statements is correct about the size of atoms?

- A. Atoms are larger than molecules.
- B. All atoms have the same size.
- C. The size of atoms is in the range of nanometres. ✓
- D. Atoms are visible under an ordinary microscope.

Q13 General Science

What happens to the gravitational force between two objects, if the distance between them is doubled and everything else remains the same?

- A. The force becomes double
- B. The force becomes half
- C. The force becomes one-fourth ✓
- D. The force becomes four times

Q14 General Science

What is the primary purpose of anodising aluminium?

- A. To increase its reactivity with acids
- B. To enhance its corrosion resistance and appearance ✓
- C. To make it softer and more flexible
- D. To make it a better conductor

Q15 General Science

The doctor feels our heartbeats with the help of an instrument called _____.

- A. microscope
- B. radiography
- C. stethoscope ✓
- D. reflex hammer

Q16 General Science

In humans, which parent determines the sex of the child?

- A. Father ✓
- B. Mother
- C. Child's own choice
- D. Both equally

Q17 General Science

Which of the following symbols represents a rheostat?

- A. A zigzag line with an arrow which is drawn across it. ✓
- B. A zigzag line.
- C. A circle with a 'V' inside it.
- D. An 'A' inside a circle

Q18 General Science

When a parallel beam of light passes through a convex lens, after refraction it:

- A. diverges away from the axis
- B. forms a virtual image at infinity
- C. converges to a point on the principal axis ✓
- D. passes undeviated



Q19 General Science

Which part of the human brain controls thinking and learning abilities of a person?

- A. Cerebellum
- B. Hypothalamus
- C. Cerebrum
- D. Medulla

Q20 General Science

If an electric heater consumes 1000 W of power, how much electrical energy does it use in 1 hour?

- A. 1 kWh
- B. 1000 J
- C. 3600 J
- D. 1000 kWh

Q21 General Science

Which of the following situations represents balanced force?

- A. A ball falling freely under gravity.
- B. Two people push a box from opposite sides with equal force.
- C. A moving car comes to rest when brakes are applied.
- D. A person riding a bicycle uphill.

Q22 General Science

A ball is released from rest at the top of an inclined smooth plane of length 5 cm. After reaching the bottom it travels horizontally on a smooth surface. How much distance will it travel horizontally? (Neglect the frictional forces as both the plane and surface are smooth)

- A. 0 cm
- B. 2.5 cm
- C. Infinite.
- D. 5 cm

Q23 General Science

Which of the following types of reproduction ensures that offspring inherit features from both parents in animals?

- A. Sexual reproduction
- B. Budding
- C. Binary fission
- D. Cloning

Q24 General Science

Which of the following statements are correct in relation to the extraction of metals?

- a. The metals which lie high in the reactivity series are extracted by the electrolysis of molten ore.
- b. The metals of medium reactivity series exist as sulphides and carbonates in nature.
- c. It is easier to extract a metal from its sulphide in comparison to oxides.

- A. Only a and c
- B. All a, b, and c
- C. Only b and c
- D. Only a and b

Q25 General Science

What is the main function of epithelial tissue in animals?

- A. It connects muscles and bones for body movement.
- B. It covers and protects organs and cavities of the body.
- C. It provides mechanical support and shape to organs.
- D. It transports gases and hormones throughout the body.

Mathematics

25 Questions • Answer Key

Q26 Mathematics

If the third proportional to 50 and Z is 18, then what is the value of Z?

- A. 28
- B. 30
- C. 27
- D. 31

Q27 Mathematics

The sum of the present ages of two sisters is 67 years. Five years ago from now, the elder sister was twice as old as the younger one. Find the elder sister's current age.

- A. 27 years
- B. 43 years
- C. 24 years
- D. 40 years



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Q28 Mathematics

A man walks 430 m in 10 minutes, 470 m in 11 minutes and 620 m in 17 minutes. Then, his average speed (in m/minutes) for the whole journey is:

A. 55

B. 78

C. 40



D. 44

Q29 Mathematics

The sum of two numbers is 88 and their L.C.M. is 870. The two numbers are:

A. 35, 53

B. 30, 58



C. 28, 60

D. 23, 65

Q30 Mathematics

The sum of two numbers is 74 and their difference is 12. Find the ratio of the smaller number to the larger number.

A. 33 : 47

B. 33 : 43

C. 31 : 43



D. 31 : 47

Q31 Mathematics

Find a single discount (approximately) equal to three consecutive discounts of 2%, 8% and 15%.

A. 22.86%

B. 23.36%



C. 26.77%

D. 22.89%

Q32 Mathematics

A total profit of ₹21,800 is to be distributed amongst A, B and C such that $A : B = 4 : 15$ and $B : C = 9 : 3$. The share (in ₹) of B in the profit is:

A. 13,675

B. 13,525

C. 13,625



D. 13,575

Q33 Mathematics

The arithmetic mean of the observations 78, 66, 89, 55, 73, 45, 23, 46 and 29 is:

A. 50

B. 56



C. 48

D. 52

Q34 Mathematics

A fruit seller has 24 kg apples worth ₹3,600. He sells 12 kg apples at a gain of 20% and the remaining at a loss of 10%. Find his gain or loss (in ₹).

A. Gain ₹180



B. Loss ₹360

C. Loss ₹180

D. Gain ₹360

Q35 Mathematics

In an election between two candidates, Dinesh received 46.5% of the total votes and lost to Rizwan by a margin of 3150 votes. If all votes cast were valid, how many votes did Rizwan secure?

A. 20,925

B. 24,075



C. 25,925

D. 25,050

Q36 Mathematics

The amount on a sum of ₹7,500 at 6% per annum compound interest, compounded annually, in 2 years will be:

A. ₹9,253

B. ₹8,427



C. ₹8,604

D. ₹8,994

Q37 Mathematics

If 8 solid spherical balls, each of radius 10 cm, are melted and recast into a single spherical ball, then what is the radius of the new ball so formed?

A. 15 cm

B. 20 cm



C. 10 cm

D. 30 cm



Q38 Mathematics

The price of fuel decreases by 35%, 55% and 35% in three successive months, but increases by 65% in the fourth month. What is the percentage increase/decrease in the price of fuel in the fourth month as compared to its original price? (Round off the answer to two decimal places.)

A. Increases by 70.61%

B. Decreases by 68.63%

C. Increases by 64.64%

D. Decreases by 65.25%

Q39 Mathematics

In a race, an athlete covers a distance of 300 m in 100 sec in the first lap. He covers the second lap of the same length in 50 sec. What is the average speed (in m/sec) of the athlete?

A. 13

B. 4

C. 14

D. 9

Q40 Mathematics

In a cyclic quadrilateral ABCD, the sides are AB = 10 cm, BC = 14 cm, CD = 8 cm, and DA = 12 cm. Find the area of the quadrilateral.

A. $8\sqrt{222}$ cm²

B. $10\sqrt{222}$ cm²

C. $8\sqrt{210}$ cm²

D. $10\sqrt{210}$ cm²

Q41 Mathematics

Successive discounts of 9% and 6% are equivalent to a single discount of:

A. 14.46%

B. 15.18%

C. 15.62%

D. 17.78%

Q42 Mathematics

The sides of a triangle are 35 cm, 44 cm and 75 cm. What is the length of its altitude corresponding to the side with the length of 44 cm?

A. 58 cm

B. 14 cm

C. 65 cm

D. 21 cm

Q43 Mathematics

For 6 innings, a cricketer had an average of 90 runs. In the 7th inning, he scored 157 runs. His average score increased by _____. (Round off the answer to the nearest whole number.)

A. 10

B. 8

C. 20

D. 19

Q44 Mathematics

P and Q together can fill a cistern with water in 15 hours. If P alone can fill the cistern with water in 60 hours, then in how many hours will Q alone fill one-fourth of the same cistern with water?

A. 10

B. 5

C. 6

D. 11



Q45 Mathematics

A tank can be filled by Pipe A in 9 hours and by Pipe B in 12 hours. Pipe C can empty the tank in 18 hours. All three pipes are opened simultaneously, but Pipe C is closed after 4 hours. How much total time in all will it take to fill the tank completely?

A. $\frac{42}{5}$

B. $\frac{44}{7}$ ✓

C. $\frac{100}{11}$

D. $\frac{22}{3}$

Q46 Mathematics

If $\sec \theta = \frac{17}{12}$, then what is the value of $\sin \theta$? ($0^\circ < \theta < 90^\circ$)

A. $\frac{12}{17}$

B. $\frac{13}{17}$

C. $\frac{\sqrt{145}}{17}$ ✓

D. $\frac{\sqrt{170}}{17}$

Q47 Mathematics

$$16\frac{2}{7}\% \div 16\frac{1}{3}\% \div 16\frac{2}{3}\% \div 16\frac{4}{7}\%$$

A. $16\frac{4}{7}\%$

B. $16\frac{1}{3}\%$

C. $16\frac{2}{3}\%$ ✓

D. $16\frac{2}{7}\%$



Q48 Mathematics

Find the value of x if $8(x)^{\frac{1}{2}} = \sqrt{6889} + \sqrt{4761}$.

A. 289

B. 729

C. 361



D. 529

Q49 Mathematics

Solve: $\frac{(100.5)^2 - (79.2)^2}{100.5 + 79.2}$

A. 20.2

B. 22.4

C. 23.5

D. 21.3

**Q50 Mathematics**

Which of the options has the two prime numbers whose product is the biggest even number less than 30?

A. 3 and 11

B. 2 and 13



C. 2 and 5

D. 3 and 7

General Intelligence & Reasoning

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

YVW 58 VST 69 SPQ 80 PMN 91 ?

A. MJK 102



B. MIJ 101

C. MRX 101

D. MKJ 102

Q52 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

LIM VSW FCG PMQ ?

A. ZWA



B. ZEW

C. ZAW

D. ZWE

Q53 General Intelligence & Reasoning

Town X is to the north of Town Y. Town Z is to the west of Town Y. Town W is to the east of Town X. Town Z is to the north of Town V. What is the position of Town W with respect to Town Z?

A. West

B. East

C. North East



D. South East



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Q54 General Intelligence & Reasoning

Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north.
Only two people sit to the left of C. Only three people sit between C and G. B sits second to the right of C. Only two people sit between B and A. E sits at some place to the right of F but at some place to the left of D.
How many people sit to the right of C?

A. 3

B. 5

C. 2

D. 4

Q55 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All caps are hats.
All caps are scarfs.
Some scarfs are mufflers.

Conclusions:

- (I) Some mufflers are caps.
(II) Some scarfs are hats.

A. Only conclusion (I) follows.

B. Only conclusion (II) follows.

C. Neither conclusion (I) nor (II) follows.

D. Both conclusions (I) and (II) follow.

Q56 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single digit numbers only).

(Left) 6 9 8 4 7 1 3 2 5 9 4 8 6 7 1 3 2 5 9 4 8 6 (Right)

How many unique digits in the series are multiples of 4 (each digit counted only once, regardless of repetitions)?

A. Two

B. One

C. Four

D. Three

Q57 General Intelligence & Reasoning

XBNO is related to UYKL in a certain way based on the English alphabetical order. In the same way, PAQJ is related to MXNG. To which of the given options is FWOM related, following the same logic?

A. DUMK

B. CTLJ

C. BSKI

D. GXPN

Q58 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

2 3 ? 38 102 227

A. 14

B. 21

C. 11

D. 26

Q59 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. IFY

B. RNH

C. ZVP

D. GCW

Q60 General Intelligence & Reasoning

In a certain code language, 'please go on' is coded as 'js tk mj' and 'go there please' is coded as 'js yn tk'. How is 'on' coded in that language?

A. tk

B. yn

C. mj

D. js



Q61 General Intelligence & Reasoning

Each of the digits in the number 1785643 is arranged in ascending order from left to right. What will be the sum of the digits which are third from the left and third from the right in the new number thus formed?

A. 14

B. 12

C. 10



D. 6

Q62 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

40 47 55 64 74 ?

A. 78

B. 87

C. 85



D. 81

Q63 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. RUW

B. CGH



C. JMO

D. YBD

Q64 General Intelligence & Reasoning

If 'P' stands for '×', 'Q' stands for '÷', 'R' stands for '-' and 'S' stands for '+', what will come in place of the question mark (?) in the following equation?

(20 Q 4) P 7 S 5 P 9 R (40 Q 8) P 4 = ?

A. 92

B. 75

C. 35

D. 60

**Q65 General Intelligence & Reasoning**

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(4, 7, 784)

(6, 3, 324)

A. (5, 6, 900)



B. (4, 6, 676)

C. (9, 3, 629)

D. (4, 5, 380)

Q66 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 7 4 1 2 4 9 7 5 3 6 1 5 2 7 4 5 8 3 9 6 5 7 3 9 1 4 2

(Right)

How many such even numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

A. None

B. One

C. Two



D. Three

Q67 General Intelligence & Reasoning

Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north. C is seated second from the left end. F is third to the right of B. G is seated to the left of C and at one of the ends. Only two people sit between G and B. Only one person is seated between D and F. E is not a neighbour of F. Who is seated second from the right end?

A. E

B. A



C. D

D. B



Q68 General Intelligence & Reasoning

DQXG is related to YUUI in a certain way based on the English alphabetical order. In the same way, GLQC is related to BPNE. To which of the given options is TKWD related, following the same logic?

- A. PPSE
- B. OPSE
- C. OOTF
- D. POTF

**Q69 General Intelligence & Reasoning**

Refer to the following series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left)
1 3 1 4 1 5 1 6 1 7 1 8 1 8 1 1 1 2 2 2 2 6 6 6 4
4 4 3 3 (Right)

How many such odd digits are there each of which is immediately preceded by an odd digit and also immediately followed by an odd digit?

- A. Three
- B. Four
- C. Six
- D. Five

**Q70 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

18 24 12 30 ? 36

- A. 10
- B. 8
- C. 6
- D. 4

**Q71 General Intelligence & Reasoning**

In a certain code language,
A + B means 'A is the son of B',
A - B means 'A is the brother of B',
A x B means 'A is the wife of B' and
A & B means 'A is the father of B'.

How is T related to M if 'T + O x R - N & M'?

- A. Father's brother
- B. Father's brother's son
- C. Father
- D. Brother

**Q72 General Intelligence & Reasoning**

Arman starts from point A and drives 32 km towards the south. He then takes a left turn, drives 37 km, turns left and drives 35 km. He then takes a left turn and drives 38 km. He takes a final left turn, drives 3 km and stops at point P. How far (shortest distance) and towards which direction should he drive in order to reach point A again? (All turns are 90-degree turns only, unless specified.)

- A. 4 km to the west
- B. 3 km to the west
- C. 2 km to the east
- D. 1 km to the east

**Q73 General Intelligence & Reasoning**

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statement(s) is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

No stump is a ball.
Some balls are wickets.

Conclusion:

(I) No ball is a stump.
(II) No wicket is a ball.

- A. Both conclusions (I) and (II) follow.
- B. Only conclusion (II) follows.
- C. Only conclusion (I) follows.
- D. Neither conclusion (I) nor (II) follows.

**Q74 General Intelligence & Reasoning**

This question is based on the five, three-digit numbers given below.

(Left) 627 543 658 719 482 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

What will be the resultant if the third digit of the highest number is multiplied with the second digit of the lowest number?

- A. 70
- B. 71
- C. 72
- D. 73



Q75 General Intelligence & Reasoning

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

TUG : QYD

NCA : KGX

A. PNC : LQY

B. BHQ : GDV

C. HKU : EOR



D. UKW : WGY

Q76 General Intelligence & Reasoning

Vijaya ranked 7th from the top and 13th from the bottom in her class. How many students are there in the class?

A. 20

B. 18

C. 19



D. 21

Q77 General Intelligence & Reasoning

If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', then what will come in place of the question mark (?) in the following equation?

8 B 2 D 15 C 25 A 5 = ?

A. 6



B. 22

C. 12

D. 17

Q78 General Intelligence & Reasoning

All 30 students in a class are standing in a row, facing north. Meera is 10th from the left end, while Arjun is 19th from the right end. How many people stand between Meera and Arjun?

A. 2

B. 3

C. 0

D. 1

**Q79 General Intelligence & Reasoning**

A, B, C, D, E, F and G are sitting around a circular table, facing the centre.

F is the immediate neighbour of both E and C. E sits second to the right of G. A is sitting to the immediate left of G. G is the immediate neighbour of both A and B. D sits to the immediate right of C.

The position(s) of how many persons will remain unchanged if all persons are arranged in the English alphabetical order in clockwise direction, starting from A (including A)?

A. One

B. Four



C. Two

D. Three

Q80 General Intelligence & Reasoning

In a certain code language, 'ROUT' is coded as '1625' and 'AUTO' is coded as '1546'. What is the code for 'A' in that language?

A. 1

B. 6

C. 4



D. 5

General Awareness

20 Questions • Answer Key

Q81 General Awareness

In March 2025, who inaugurated the two-day National Conference on 'Environment – 2025' in New Delhi?

A. Prime Minister of India

B. President of India



C. Vice President of India

D. Speaker of Lok Sabha

Q82 General Awareness

Which para-archer achieved a historic milestone by becoming the first in their discipline to be honoured with the Padma Shri in 2025?

A. Harvinder Singh



B. Vivek Chikara

C. Rakesh Kumar

D. Jyoti Balyan



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Q83 General Awareness

As per Human Development Index (HDI) 2025, what is the rank of India?

- A. 150th
- B. 90th
- C. 110th
- D. 130th

**Q84 General Awareness**

In July 2025, DRDO successfully conducted two consecutive successful flight tests of the Pralay missile at which of the following locations?

- A. Balasore
- B. Chandipur
- C. Dr. APJ Abdul Kalam Island
- D. Pokhran

**Q85 General Awareness**

Which of the following initiatives did the Maharashtra Government approve in September 2025 to generate employment in Tier-2 and Tier-3 cities and boost skilled job opportunities?

- A. Targeted Wage Subsidy Programme for unskilled labourers
- B. Mandatory Local Employment Reservation framework in enterprises
- C. Global Capability Center policy to expand centres across the state
- D. Free Urban Transit Support Scheme for job seekers

**Q86 General Awareness**

At the Taiwan Athletics Open, which took place in Taipei on 7 and 8 June 2025, how many total medals did India win?

- A. 16
- B. 14
- C. 12
- D. 10

**Q87 General Awareness**

Who became the first athlete to throw beyond 75 m in the men's discus event, setting a world record of 75.56 m in April 2025?

- A. Mykolas Alekna
- B. Virgilijus Alekna
- C. Sam Mattis
- D. Matthew Denny

**Q88 General Awareness**

India observed World No Tobacco Day on which date in 2025?

- A. 5 May
- B. 17 May
- C. 31 May
- D. 3 May

**Q89 General Awareness**

In May 2025, which of the following nodal agencies of the Union Government invited public comments on the Draft Framework of India's Climate Finance Taxonomy?

- A. NITI Aayog Secretariat
- B. Department of Economic Affairs
- C. National Statistical Office
- D. Department of Financial Services

**Q90 General Awareness**

At which summit did India's NSA Ajit Doval push for a unified counter-terrorism stance in June 2025?

- A. ASEAN Summit in Jakarta
- B. G20 Summit in New Delhi
- C. EU Summit in Brussels
- D. SCO Summit in China

**Q91 General Awareness**

Who was named the Men's Player of the Year at the All India Football Federation Awards 2025 in May 2025?

- A. Khalid Jamil
- B. Brison Fernandes
- C. Vishal Kaith
- D. Subhasish Bose

**Q92 General Awareness**

Which Indian city's government conducted the first cloud seeding flight trial in October 2025 to combat severe air pollution?

- A. Lucknow
- B. Jaipur
- C. Delhi
- D. Mumbai



Q93 General Awareness

During COP30 held in November 2025, the term Conference of the Parties (COP) refers to the meeting of the Parties under which United Nations convention?

- A. United Nations Convention on Biological Diversity (UNCBD)
- B. Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES)
- C. United Nations Convention Against Corruption (UNCAC)
- D. United Nations Framework Convention on Climate Change (UNFCCC) ✓

Q94 General Awareness

Which of the following cities were among the safest for women according to (National Annual Report & Index on Women's Safety) NARI 2025?

- A. Ranchi, Srinagar, Kolkata
- B. Kohima, Visakhapatnam, Bhubaneswar ✓
- C. Lucknow, Jaipur, Delhi
- D. Delhi, Patna, Indore

Q95 General Awareness

When did Larsen & Toubro (L&T) launch the Indian Navy's Second Multi-Purpose Vessel (MPV)?

- A. March 2025
- B. September 2024
- C. December 2024
- D. January 2025 ✓

Q96 General Awareness

Who became the oldest man to reach the semi-finals of an ATP Masters 1000 event in 2025?

- A. Novak Djokovic ✓
- B. Andy Murray
- C. Rafael Nadal
- D. Roger Federer

Q97 General Awareness

Which Indian actress was named National Ambassador for Cyber Safety by Ministry of Home Affairs in October 2024?

- A. Janhvi Kapoor
- B. Rashmika Mandanna ✓
- C. Sara Ali Khan
- D. Alia Bhatt

Q98 General Awareness

Which key reform did the Economic Survey 2024-25 emphasise for long-term growth?

- A. Systemic deregulation ✓
- B. Price control regimes
- C. Public sector expansion
- D. Nationalisation of banks

Q99 General Awareness

Which of the following states witnessed the swearing-in of a newly elected government led by the NDA coalition in November 2025?

- A. Jharkhand
- B. Assam
- C. Bihar ✓
- D. Uttar Pradesh

Q100 General Awareness

Which of the following ministries announced the fourth phase of amalgamation of RRBs in April 2025 under the 'One State, One RRB' policy to enhance the operational efficiency of regional rural banks (RRBs)?

- A. Ministry of Finance ✓
- B. Ministry of Rural Development
- C. Ministry of Corporate Affairs
- D. Minister of Home Affairs



General Science

25 Questions • Answer Key

Q1 General Science

What is generally produced when a metal reacts with an acid?

A. Salt and hydrogen gas



B. Salt only

C. Salt and oxygen

D. Salt and water

Q2 General Science

Which of the following is a characteristic of a colloidal solution?

A. Particles are invisible under a microscope

B. Particles scatter a beam of light



C. Particles settle down on standing

D. Particles can be separated by filtration

Q3 General Science

Which of the following leads to significant damage to the ozone layer in the atmosphere?

A. Oxygen

B. Carbon dioxide

C. Chlorofluorocarbons (CFCs)



D. Methane

Q4 General Science

What happens to biodegradable substances when they are released in the environment?

A. They persist forever.

B. They get broken down into simpler components.



C. They get converted into toxic chemicals.

D. They deplete the ozone layer.

Q5 General Science

The phenomenon in which different parts of the plant, like root, stem and leaves, develop into new plants under appropriate conditions is called _____.

A. Regeneration

B. Fertilisation

C. Sexual reproduction

D. Vegetative propagation



Q6 General Science

When you shake a tree, fruits fall because of _____.

A. Gravity and Inertia of rest



B. Gravity only

C. Air pressure

D. Inertia of motion

Q7 General Science

A straight conductor carrying current is placed parallel to a uniform magnetic field. The force on the conductor will be:

A. zero



B. half the maximum

C. infinite

D. maximum

Q8 General Science

Which of the following is a chemical change?

A. Ice melting

B. Combustion of petrol



C. Mixing salt and water

D. Evaporation of water

Q9 General Science

The skin on the face is primarily made up of which epithelial tissue?

A. Ciliated

B. Squamous



C. Cuboidal

D. Columnar

Q10 General Science

In electrolytic refining, the impure metal is used as which of the following?

A. Anode



B. Electrolyte

C. Salt

D. Cathode



Q11 General Science

Which of the following instruments is used to determine the purity of a milk sample?

- A. Thermometer
- B. Lactometer
- C. Barometer
- D. Hydrometer

**Q12 General Science**

Which statement best describes an olfactory indicator?

- A. A solid that dissolves in both acids and bases
- B. A gas that reacts only with strong acids
- C. A liquid that changes colour in all solutions
- D. A substance that changes smell in acids and bases

**Q13 General Science**

According to the right-hand thumb rule, if the thumb points in the direction of current, then the fingers show:

- A. direction of electric force
- B. direction of resistance
- C. direction of magnetic field lines
- D. direction of voltage

**Q14 General Science**

To get a virtual, erect and enlarged image using a spherical mirror, the object must be placed _____.

- A. at the principal focus (F) of a concave mirror
- B. at the centre of curvature (C) of a concave mirror
- C. between the pole (P) and the principal focus (F) of a concave mirror
- D. at the principal focus (F) of a convex mirror

**Q15 General Science**

Cells differ in shape and size according to the work they perform in living organisms. Which of the following correctly compares a cell's shape with its function?

- A. Nerve cell – Round in shape, stores food
- B. Red blood cell – Long and branched, transmits messages
- C. Muscle cell – Flat and disc-shaped, carries oxygen
- D. Amoeba – Irregular in shape, helps in movement and capturing food

**Q16 General Science**

The main reason an echo is NOT heard clearly in a small room is:

- A. Sound intensity decreases too quickly over short distances
- B. Sound frequency is too high
- C. Sound travels too slowly
- D. Time interval between original sound and echo is too short

**Q17 General Science**

What distinguishes rough ER (RER) from smooth ER (SER)?

- A. Presence of ribosomes on RER, absence on SER
- B. Presence of chlorophyll on RER, absence on SER
- C. Absence of proteins in RER, presence in SER
- D. Absence of membranes in RER, presence in SER

**Q18 General Science**

Which property most definitively distinguishes a suspension from a colloid?

- A. Settling of particulates under gravitational force
- B. Homogeneity of the mixture
- C. Formation of covalent solute-solvent bonds
- D. Absence of light scattering under illumination

**Q19 General Science**

What is the purpose of enrichment of ore before extraction?

- A. To increase weight
- B. To convert it into salt
- C. To remove impurities
- D. To remove moisture

**Q20 General Science**

The newton (N) is the SI unit of force. Which of the following expresses one newton (N) in terms of the fundamental SI units (kilogram, metre and second)?

- A. $\text{kg.m}^2/\text{s}$
- B. kg.m/s^2
- C. $\text{kg/m}^2.\text{s}$
- D. kg.m.s



Q21 General Science

An object is placed at a distance of 40 cm from a convex lens of focal length 10 cm, such that an image is formed at a distance of X cm from the lens. What is the value of X?

A. $+40/3$



B. +8

C. $-40/3$

D. -8

Q22 General Science

What would you call the middle elongated part of the female reproductive part of a flower?

A. Style



B. Ovary

C. Stigma

D. Pollen grain

Q23 General Science

A stone of mass 500g is raised from ground to a height of 20 m. What is the gain in its potential energy?

(Take $g=10 \text{ m/s}^2$)

A. 100 J



B. 150 J

C. 50 J

D. 200 J

Q24 General Science

Which of the following 'indicators' is used to test the nature of solutions besides litmus paper?

A. Sugar and water

B. Table salt and vinegar

C. Turmeric and red cabbage juice



D. Sand and alcohol

Q25 General Science

The process of seed dispersal helps in:

A. increasing seed size

B. promoting self-pollination

C. colonising new habitats



D. forming new flowers on the same plant

Mathematics

25 Questions • Answer Key

Q26 Mathematics

The marked price of a toy truck is ₹8,810, and its selling price is ₹6,250. Find the discount percentage. (Round off the answer to two decimal places.)

A. 32.51%

B. 29.06%



C. 31.08%

D. 27.41%

Q27 Mathematics

Find the simple interest (in ₹) on ₹4,000 at 6% per annum rate of interest for the period from 20 February 2024 to 21 April 2024.

A. 39

B. 38

C. 40



D. 41

Q28 Mathematics

If the radius of a sphere is 10 cm, then its surface area is:

A. $341 \pi \text{ cm}^2$

B. $200 \pi \text{ cm}^2$

C. $400 \pi \text{ cm}^2$



D. $336 \pi \text{ cm}^2$

Q29 Mathematics

The average of the first 13 even natural numbers is:

A. 11

B. 13

C. 14



D. 15



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Q30 Mathematics

A mother's age is double her son's age at present. If the difference of their ages after 24 years from now is 20, then find their ages at present (in years), respectively.

A. 46, 23

B. 38, 19

C. 54, 28

D. 40, 20

**Q31 Mathematics**

The mode of the observations 26, 26, 22, 21, 31, 24, 21, 28, 28, 30, 33, 22, 25, 23 and 21 is:

A. 21



B. 22

C. 26

D. 28

Q32 Mathematics

A, B and C can do a piece of work in 2, 15 and 10 days, respectively. How long (in days) will they take to do twice the same work, working together?

A. 6

B. 3



C. 4

D. 9

Q33 Mathematics

In a test, B got 50 marks while A got 80 marks, out of 85 maximum marks. What percentage of A's marks was B's marks?

A. 62.5%



B. 85%

C. 160%

D. 94.12%

Q34 Mathematics

A shopkeeper buys an article for ₹850, spends ₹200 on repairs and sells it for ₹1,200. What is his profit percentage (rounded off to two decimal places)?

A. 13.79%

B. 14.79%

C. 13.29%

D. 14.29%

**Q35 Mathematics**

If $5.12 \times 50625 \times 0.5488 = 2^a 3^b 5^c 7^d$, then find the value of $a + b + c + d$.

A. 14

B. 23

C. 10

D. 12

**Q36 Mathematics**

A contractor agreed to complete a job in 74 days. He employed 21 men to work, but only one-fourth of the work was completed in 32 days. How many additional men must he employ to finish the remaining work within the stipulated time?

A. 25

B. 27



C. 24

D. 22

Q37 Mathematics

Rama made necklaces with either 24 beads, 36 beads or 40 beads, such that no bead was left over. What is the least number of beads Rama could have?

A. 320

B. 420

C. 280

D. 360

**Q38 Mathematics**

The sum of the first 19 prime numbers is:

A. 564

B. 570

C. 571

D. 568

**Q39 Mathematics**

₹5,177 is divided among A, B and C in such a way that if ₹72, ₹21 and ₹24 be deducted from their respective shares, they have money in the ratio 3 : 13 : 7. Find the difference between the original shares of B and C.

A. ₹1,420

B. ₹1,317



C. ₹1,220

D. ₹1,470



Q40 Mathematics

A girl goes to school at a speed of 45 km/h. She comes back with a speed of 36 km/h. Find her average speed for the whole journey.

- A. 38 km/h
- B. 42 km/h
- C. 33 km/h
- D. 40 km/h

**Q41 Mathematics**

In $\triangle ABC$, $BD \perp AC$ at D and $\angle DBC = 80^\circ$. E is a point on BC such that $\angle CAE = 37^\circ$. What is the measure of $\angle AEB$?

- A. 49°
- B. 45°
- C. 40°
- D. 47°

**Q42 Mathematics**

If the fourth proportional to P, 22 and 8 is 11, then find the value of P.

- A. 19
- B. 15
- C. 13
- D. 16

**Q45 Mathematics**

If the radius of a sphere is increased by 37.5%, its surface area is increased by $35,112 \text{ cm}^2$. Find the original surface area of the sphere. (Take $\pi = \frac{22}{7}$)

- A. $39,444 \text{ cm}^2$
- B. $39,424 \text{ cm}^2$
- C. $39,394 \text{ cm}^2$
- D. $39,414 \text{ cm}^2$

**Q46 Mathematics**

Simplify the given expression.

$$(5x + 3y)^2 - (5x - 3y)^2$$

- A. $90xy$
- B. $60xy$
- C. $120xy$
- D. $30xy$

**Q43 Mathematics**

A student secured 300 marks out of a maximum of x marks in a test. If the same percentage score were applied to a test of 400 marks, he would have scored 200 marks. What were the maximum marks of the original test?

- A. 500
- B. 600
- C. 800
- D. 700

**Q44 Mathematics**

A chair is marked at ₹4,000 and sold at ₹3,600 after a certain discount. If the shopkeeper still makes a profit of 20%, find the cost price of the chair.

- A. ₹2,800
- B. ₹3,200
- C. ₹3,000
- D. ₹3,400



Q47 Mathematics

Simplify: $\left(1 - \frac{1}{\cos\theta}\right)\left(\frac{1 + \sec\theta}{\tan^2\theta}\right)$

- A. $-\tan\theta$
- B. $\tan\theta$
- C. 1
- D. -1

**Q48 Mathematics**

Walking at $\frac{5}{8}$ of his normal speed from his home, Tarun is 21 minutes late in reaching his office.

The usual time taken by him to cover the distance between his home and his office is:

- A. 35 minutes
- B. 28 minutes
- C. 37 minutes
- D. 29 minutes

**Q49 Mathematics**

In an election, there were 12,000 voters. In the first round, Babita received 40% of the votes, and Ramanlal received 35% of the votes. The remaining votes went to other candidates. In the second round, Babita gained 20% more votes compared to the first round, while Ramanlal gained 10% more votes. How many votes did Babita receive in the second round?

- A. 6,000
- B. 5,600
- C. 6,400
- D. 5,760

**Q50 Mathematics**

If 40% of 20% of $\frac{4}{7}$ of a number is 336, find the number.

- A. 7350
- B. 8190
- C. 8120
- D. 7630



Q51 General Intelligence & Reasoning

What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$94 - 115 \times 5 + 14 \div 7 = ?$$

A. 16

B. 18

C. 14

D. 19

**Q52** General Intelligence & Reasoning

Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion/s logically follow/s from the given statements.

Statements: Some sandals are crocs. All crocs are flipflops.

Conclusion I: Some sandals are flipflops.

Conclusion II: All flipflops are crocs.

A. Neither Conclusion I nor II follows

B. Only Conclusion II follows

C. Both Conclusions I and II follow

D. Only Conclusion I follows

**Q53** General Intelligence & Reasoning

Refer to the given series and answer the question that follows. All numbers are single-digit numbers only. Counting to be done from left to right.

(Left) 4 7 2 8 1 5 6 9 3 8 2 4 7 1 9 5 3 6 8 2 7 4 1 9 5 (Right)

How many such even digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

A. Four

B. Five

C. Two

D. Three

**Q54** General Intelligence & Reasoning

If 'P' stands for 'x', 'Q' stands for '÷', 'R' stands for '-' and 'S' stands for '+', what will come in place of the question mark (?) in the following equation?

$$17 P 4 R 65 Q 5 S (34 Q 2) P 10 S 6 P 3 = ?$$

A. 258

B. 243



C. 191

D. 215

Q55 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

END BRA YVX VZU ?

A. TES

B. TCR

C. RCQ

D. SDR

**Q56** General Intelligence & Reasoning

In a certain code language, 'seek new hope' is coded as 'dp ml vy' and 'hope fuels dreams' is coded as 'gj sc dp'. How is 'hope' coded in the given language?

A. sc

B. dp



C. vy

D. gj

Q57 General Intelligence & Reasoning

All 92 people are standing in a row facing north. Mr. Akte is 9th from the left end while Mr. Memi is 27th from the right end. How many people are there between Mr. Akte and Mr. Memi?

A. 56



B. 57

C. 54

D. 55



Q58 General Intelligence & Reasoning

Six people, A, B, C, D, E and F are sitting in a row, facing north. F sits to the immediate left of A. C sits third to the left of D. C is an immediate neighbour of A. B sits to the immediate left of E. How many people sit between E and C?

A. One



B. Two

C. None

D. Three

Q59 General Intelligence & Reasoning

Six people, D, E, F, G, H and I, are sitting in a row, facing towards the north. H is sitting to the immediate right of F and to the immediate left of D. E is sitting to the right of F and three people are sitting in between them. G is sitting to the immediate left of E. I is sitting to the immediate right of E. Three of the following four are alike in a certain way based on the given arrangement and thus form a group. Which is the one that DOES NOT belong to that group?

A. EI

B. DG

C. HE



D. FH

Q60 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. ZVX



B. FBE

C. RNQ

D. WSV

Q61 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

254 238 222 206 190 ?

A. 170

B. 174



C. 176

D. 178

Q62 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. NK-OL

B. DA-DD



C. AX-BY

D. XU-YV

Q63 General Intelligence & Reasoning

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

GJH-LOM
HKI-MPN

A. VYW-ZDA

B. VXU-ZCA

C. VYW-ADB



D. VXU-ADB

Q64 General Intelligence & Reasoning

Samyuktha starts from Point H and drives 8 km towards the east. She then takes a right turn, drives 7 km, turns right and drives 10 km. She then takes a right turn and drives 11 km. She takes a final right turn, drives 2 km and stops at Point P. How far (shortest distance) and towards which direction should she drive in order to reach Point H again?

(Note: All turns are 90° turns only unless specified.)

A. 4 km towards south



B. 7 km towards north

C. 6 km towards west

D. 5 km towards north



Q65 General Intelligence & Reasoning

In a certain code language,
A + B means 'A is the father of B',
A - B means 'A is the son of B',
A × B means 'A is the mother of B' and
A ÷ B means 'A is the brother of B'.

How is X related to T if 'X + Y - Z × W ÷ T'?

A. Father



B. Son

C. Daughter's son

D. Brother

Q66 General Intelligence & Reasoning

Refer to the given number series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 1 6 1 5 5 2 4 8 4 9 1 8 7 3 3 6 9 1 2 6 2 1 2 7 4 9 3
(Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

A. 5

B. 4



C. 6

D. 3

Q67 General Intelligence & Reasoning

In a certain code language, 'TOUR' is coded as '8571' and 'DOUT' is coded as '5478'. What is the code for 'D' in that language?

A. 7

B. 8

C. 4



D. 5

Q68 General Intelligence & Reasoning

Refer to the following number, symbol series and answer the question. Counting to be done from left to right only.

(Left) * © 2 1 £ 2 6 2 £ © @ % £ \$ 4 \$ \$ \$ @ \$ 1 4 (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a symbol?

A. 2



B. 1

C. 3

D. 4

Q69 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All hearts are spades.

All aces are spades.

No spades are pens.

Conclusions:

(I): All aces are hearts.

(II): No hearts are pens.

A. Only conclusion (II) follows



B. Only conclusion (I) follows

C. Neither conclusion (I) nor (II) follows

D. Both conclusions (I) and (II) follow

Q70 General Intelligence & Reasoning

Nawang starts from Point A and drives 16 km towards south. He then takes a right turn, drives 13 km, turns right and drives 17 km. He then takes a right turn and drives 19 km. He takes a final right turn, drives 1 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again?

(All turns are 90 degree turns only unless specified)

A. 6 km to the west



B. 4 km to the west

C. 5 km to the west

D. 3 km to the west



Q71 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only.)

(Left) 7 4 1 2 4 9 8 5 3 6 1 5 4 6 5 4 8 3 9 6 5 2 3 9 1 4 2
(Right)

If all the odd numbers are dropped from the series, which of the following will be sixth from the left?

A. 2

B. 8

C. 6

D. 4

**Q72 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

25 32 41 52 65 ?

A. 81

B. 80



C. 82

D. 79

Q73 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

412 414 418 424 432 ?

A. 442



B. 445

C. 441

D. 439

Q74 General Intelligence & Reasoning

LNRO is related to QSWT in a certain way based on the English alphabetical order. In the same way, TVZW is related to YAEB. To which of the given options is EGKH related, following the same logic?

A. JKOM

B. JLPM



C. JLOM

D. JMOU

Q75 General Intelligence & Reasoning

Kinjal ranked 21st from the top and 12th from the bottom in her class. How many students are there in her class?

A. 33

B. 30

C. 32



D. 31

Q76 General Intelligence & Reasoning

What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$29 \div 13 + 545 \times 5 - 317 = ?$

A. 585



B. 566

C. 519

D. 504

Q77 General Intelligence & Reasoning

Which of the following terms will replace the question mark (?) in the given series to make it logically complete?

EQL 2 GMN 6 IIP 18 KER 54 ?

A. MAS 168

B. MBS 158

C. MBT 158

D. MAT 162

**Q78 General Intelligence & Reasoning**

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(14, 30, 56)

(20, 36, 68)

A. (26, 10, 16)

B. (15, 31, 58)



C. (10, 26, 56)

D. (12, 24, 40)



Q79 General Intelligence & Reasoning

In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

JOYS - YJOS - SYOJ

LAKE - KLAE - EKAL

A. HALT - HLAT - TLAH

B. ICED - CIED - DCEI

C. KIND - NKID - INDK

D. QUAD - AQUD - DAUQ



Q80 General Intelligence & Reasoning

Eight people – A, B, C, D, E, F, G and H, are sitting around a circular table facing the centre. C sits to the immediate right of A. Only two people sit between C and D when counted from the right of D. Only three people sit between D and E when counted from the left of D. H sits to the immediate right of E. B is not an immediate neighbour of D. F sits second to the right of G. Who sits third to the right of F?

A. C

B. E



C. B

D. A

General Awareness

20 Questions • Answer Key

Q81 General Awareness

At which competition did Animesh Kujur set a new national record and win a bronze medal in the men's 200 m event?

A. Olympics

B. World Championships

C. South Asian Games

D. Asian Athletics Championships



Q82 General Awareness

In **August 2025**, **World Lion Day** celebrations in Gujarat were held at which **wildlife sanctuary**, where a major conservation and eco-tourism initiative was also highlighted?

A. Pania Wildlife Sanctuary

B. Kutch Desert Wildlife Sanctuary

C. Hingolghadh Wildlife Sanctuary

D. Barda Wildlife Sanctuary



Q83 General Awareness

Which of the following is India's first fully robotic telescope in Ladakh that captured images of a massive asteroid during its close pass by Earth in July 2024?

A. NEW-India

B. AMRUT-India

C. KALAM-India

D. GROWTH-India



Q84 General Awareness

What significant step did the Karnataka High Court emphasise in November 2025 regarding child safety equipment?

A. Delayed relaxation of child safety regulations until further notice

B. Immediate implementation and enforcement of child helmet safety rules in Karnataka



C. Promotion of local manufacturing of child safety gear in Karnataka

D. Limited exemption of child helmet use in rural Karnataka areas

Q85 General Awareness

Which collection by Banu Mushtaq, translated by Deepa Bhashti, won the International Booker Prize, 2025?

A. Heart Lamp



B. Hunchback

C. Under the Eye of the Big Bird

D. The Original

Q86 General Awareness

Who has been awarded the first-ever EASD Diabetes Global Impact Prize in 2025?

A. Dr. Soumya Swaminathan

B. Dr. Randeep Guleria

C. Dr. V Mohan



D. Dr. Devi Shetty



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Q87 General Awareness

Which of the following was launched by India in August 2025 to support countries of the Global South in meeting the Sustainable Development Goals?

- A. Sustainable Development and Capacity Building Partnership
- B. South-South SDG Empowerment Programme
- C. SDG Partnership for Developing Nations
- D. India-UN Global Capacity Building Initiative ✓

Q88 General Awareness

Thiyam Suryamukhi Devi, honoured with the Padma Shri in 2025, is famous for which classical dance form?

- A. Odissi
- B. Manipuri ✓
- C. Kuchipudi
- D. Bharatanatyam

Q89 General Awareness

Who became the fastest man in the world so far in 2025 in the 100 m race with a time of 9.86 s?

- A. Akani Simbine
- B. Bayanda Walaza
- C. Abdul-Rasheed Saminu ✓
- D. Ferdinand Omanyala

Q90 General Awareness

Who won the 2025 Australian Open Men's Singles title?

- A. Daniil Medvedev
- B. Jannik Sinner ✓
- C. Rafael Nadal
- D. Novak Djokovic

Q91 General Awareness

In March 2025, which summit was held in India to focus on climate solutions and partnerships?

- A. G7 Summit for Climate Negotiations
- B. World Sustainable Development Summit ✓
- C. Arctic Council Forum
- D. ASEAN Environment Meeting

Q92 General Awareness

'Deviants', a multigenerational queer novel published in February 2025, is authored by:

- A. Aria Aber
- B. Amitav Ghosh
- C. Akhil P Dharmajan
- D. Santanu Bhattacharya ✓

Q93 General Awareness

Which of the following multilateral negotiations did India and the Eurasian Economic Union (EAEU) sign in August 2025 as a step towards a Free Trade Agreement (FTA)?

- A. India-EAEU Comprehensive Economic Partnership Agreement
- B. India-EAEU Terms of Reference (ToR) for an FTA ✓
- C. India-EAEU Cultural Exchange Agreement
- D. India-EAEU Defence Pact

Q94 General Awareness

In November 2025, which Indian state rolled out the amended Bharat Net Scheme across its territory, aiming in part to support real-time monitoring in sensitive border zones affected by regional disputes?

- A. Rajasthan
- B. Punjab ✓
- C. Haryana
- D. Gujarat

Q95 General Awareness

In 2025, the Ministry of Defence unveiled a long-term roadmap emphasising future-generation technologies such as AI, hypersonic weapons, nuclear propulsion for warships, and next-generation combat systems. Which of the following is the name of this plan/roadmap?

- A. Make-in-India Defence Mission 2025
- B. Long Term Integrated Perspective Plan 2025
- C. Technology Perspective & Capability Roadmap 2025 ✓
- D. Defence Modernisation Programme 2025



Q96 General Awareness

How many runs did India's women's team score to set a national record in a One-Day International against Ireland in January 2025?

A. 425

B. 435



C. 430

D. 400

Q97 General Awareness

The Utkarsh Odisha – Make in Odisha Conclave, 2025, was held at _____.

A. Bhubaneswar



B. Puri

C. Sambalpur

D. Koraput

Q98 General Awareness

Where was the Combined Operational Review and Evaluation (CORE) Programme organised by the Headquarters Integrated Defence Staff (HQ IDS) from 22 to 26 September 2025?

A. National Defence Academy, Pune

B. Defence Services Staff College, Wellington, Tamil Nadu

C. Indian Military Academy, Dehradun, Uttarakhand

D. United Service Institution of India, New Delhi

**Q99 General Awareness**

In December 2024, which of the following schemes was launched by Prime Minister Narendra Modi in Haryana to promote financial literacy and insurance awareness among women?

A. Bima Shakti Scheme

B. Nari Suraksha Yojana

C. Bima Sakhi Yojana



D. Sakhi Suraksha Plan

Q100 General Awareness

Which customer segment is affected by ICICI Bank's raised minimum balance requirement?

A. Joint account holders only

B. Only new savings accounts opened from 1 August 2025



C. Only accounts in rural branches

D. All existing savings account holders from 1 August 2025



General Science

25 Questions • Answer Key

Q1 General Science

If an object is kept at the focus F of a convex lens, where will the image be formed?

- A. At infinity, virtual and magnified
- B. At infinity, highly magnified, real ✓
- C. At 2F, real and same size as object
- D. Between F and 2F, real and magnified

Q2 General Science

Burrs with hooks or spines are commonly dispersed by which of the following?

- A. Gravity
- B. Water
- C. Animals ✓
- D. Air

Q3 General Science

A long straight conductor carries current vertically upwards. What will be the direction of magnetic field at a point lying to the east of the wire?

- A. Towards south ✓
- B. Towards west
- C. Towards east
- D. Towards north

Q4 General Science

Why is the plasma membrane called a selectively permeable membrane?

- A. It allows free and equal movement of all substances.
- B. It allows only certain substances to pass through while restricting others. ✓
- C. It prevents all materials from entering or leaving the cell.
- D. It controls energy production for the entire cell.

Q5 General Science

A force of 10 N causes mass m_1 to accelerate at 20 m/s^2 and mass m_2 to accelerate at 40 m/s^2 . What acceleration will the same force produce if both masses are tied together?

- A. 26.7 m/s^2
- B. 6 m/s^2
- C. 13.3 m/s^2 ✓
- D. 10 m/s^2

Q6 General Science

Which of the following statements about neurons is INCORRECT?

- A. Neurons lack a nucleus. ✓
- B. A neuron is made of three parts: dendrites, cell body and axon.
- C. Dendrites receive signals.
- D. Axon sends signals out.

Q7 General Science

What is the chemical name of baking soda?

- A. Sodium sulphate
- B. Sodium hydrogen carbonate ✓
- C. Sodium hydroxide
- D. Sodium carbonate

Q8 General Science

Which of the following changes involves both heat absorption and a change in state from solid to liquid?

- A. Melting of ice ✓
- B. Sublimation of camphor
- C. Freezing of water
- D. Condensation of steam



Q9 General Science

In cattle farming, milk-producing buffaloes are called _____.

- A. broilers
- B. layers
- C. milch
- D. shellfish

**Q10 General Science**

Which part of the eye controls the size of the pupil by adjusting to light?

- A. Retina
- B. Iris
- C. Cornea
- D. Crystalline lens

**Q11 General Science**

The reaction $\text{NaOH} + \text{HCl} \rightarrow \text{NaCl} + \text{H}_2\text{O}$ is an example of:

- A. Displacement reaction
- B. Decomposition reaction
- C. Precipitation reaction
- D. Double displacement reaction

**Q12 General Science**

Which of the following statements is NOT correct about an electric circuit?

- A. Current is a result of flow of electrons
- B. Current flows in an open circuit
- C. A switch helps to open or close the circuit
- D. The direction of conventional current is opposite to the flow of electrons

**Q13 General Science**

What happens after fertilisation in the human female reproductive system?

- A. The embryo develops in the ovary and is nourished by the cervix.
- B. The fertilised egg divides to form an embryo, which implants in the uterine lining.
- C. The zygote immediately becomes a foetus in the vagina.
- D. The fertilised egg stays in the fallopian tube and develops there.

**Q14 General Science**

An athlete moves on a circular path with uniform speed, completing one revolution in a fixed time. Which of the following statements is correct?

- A. The athlete's velocity remains constant in both magnitude and direction.
- B. The athlete's speed decreases continuously as they move along the path.
- C. The motion is a non-uniform circular motion.

- D. The athlete moves with constant speed, which equals the distance travelled in one revolution divided by the time for that revolution.

**Q15 General Science**

Movement of gases such as CO_2 or O_2 across the cell membrane occurs by _____, from _____ concentration to _____ concentration.

- A. diffusion; high; low
- B. osmosis; low; high
- C. endocytosis; equal; equal
- D. active transport; low; high

**Q16 General Science**

The type of pollination where pollen grains are transferred from one flower to another of the same species through wind is called _____.

- A. anemophily
- B. ornithophily
- C. hydrophily
- D. entomophily

**Q17 General Science**

The number of protons in an element with atomic number 10 is:

- A. 8
- B. 10
- C. 6
- D. 5

**Q18 General Science**

Which of the following hydrocarbons contains a branched chain?

- A. Butane
- B. Ethene
- C. Isobutane
- D. Methane



Q19 General Science

The process of converting farm waste material into decomposed matter rich in organic matter and nutrients is called:

- A. Composting ✓
- B. Fertilization
- C. Pollination
- D. Green Manuring

Q20 General Science

Diffusion of particles is faster in:

- A. cold liquids with large molecules
- B. gases at high temperatures ✓
- C. solids with strong attractions
- D. water with low kinetic energy

Q21 General Science

Two objects of different masses are dropped from the same height in vacuum. Which one will reach first?

- A. The lighter one reaches first.
- B. The heavier one reaches first.
- C. Both reach the ground at the same time. ✓
- D. Both reach at different times, depending on shape and size.

Q22 General Science

In the reaction $\text{MnO}_2 + 4\text{HCl} \rightarrow \text{MnCl}_2 + 2\text{H}_2\text{O} + \text{Cl}_2$, which substance is oxidised and which substance is reduced?

- A. MnO_2 is reduced, HCl is oxidised ✓
- B. MnO_2 is reduced, MnCl_2 is oxidised
- C. MnO_2 is oxidised, HCl is reduced
- D. MnCl_2 is oxidised, Cl_2 is reduced

Q23 General Science

Which of the following best describes mechanical energy?

- A. The sum of light energy and chemical energy
- B. Energy stored in food and fuel
- C. Energy from the Sun
- D. The sum of potential energy and kinetic energy ✓

Q24 General Science

Which of the following statements properly differentiates between a mixture and a compound?

- A. A mixture has a fixed composition, while the composition of compounds is variable.
- B. A mixture shows different properties, while a compound has entirely same properties from its constituent elements
- C. A mixture has a variable composition, while the composition of compounds is fixed. ✓
- D. The mixture can be separated by chemical methods, while compounds can be separated by physical method.

Q25 General Science

In a sound wave, the particles of the medium ____.

- A. rotate continuously
- B. vibrate along the direction of wave propagation ✓
- C. vibrate perpendicular to the direction of wave propagation
- D. do not vibrate

Mathematics

25 Questions • Answer Key

Q26 Mathematics

If the side of a square is measured 4% more than its actual length, what is the percentage error in the area of the square?

- A. 4%
- B. 8.16% ✓
- C. 4.04%
- D. 8.08%

Q27 Mathematics

Find the simple interest (in ₹) on ₹2,000 at 7% per annum rate of interest for the period from 7 February 2023 to 21 April 2023.

- A. 27
- B. 26
- C. 29
- D. 28 ✓



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Q28 Mathematics

In a quadrilateral IJKL, $\angle I = 17^\circ$ and $\angle J = 51^\circ$. The bisectors of $\angle K$ and $\angle L$ meet at Z. What is the measure of $\angle LKZ$?

A. 43°

B. 34° ✓

C. 27°

D. 47°

Q29 Mathematics

An interior designer wants to cover a rectangular wall measuring $36\text{ m} \times 64\text{ m}$ with square wallpaper tiles, with minimal wastage. What is the maximum possible side length of each square tile that can be used?

A. 4 m ✓

B. 24 m

C. 12 m

D. 8 m

Q30 Mathematics

$4a2b$ is a four digit number divisible by 3. Select the correct possible values of a and b from the following.

A. $a=2, b=0$

B. $a=0, b=0$ ✓

C. $a=0, b=1$

D. $a=3, b=1$

Q31 Mathematics

A laptop is sold for ₹48,000 after two successive discounts of 20% and 25% on the marked price. Find the original marked price of the laptop.

A. ₹75,000

B. ₹80,000 ✓

C. ₹88,000

D. ₹78,000

Q32 Mathematics

One pipe can fill a tank in 3 minutes while another pipe can empty the completely filled tank in 12 minutes. If both the pipes are opened together when the tank is empty, then how many minutes will it take to fill one-half of the tank?

A. 3 minutes

B. 2 minutes ✓

C. 5 minutes

D. 4 minutes

Q33 Mathematics

Due to water crisis, 38% of the initial population left the village, and 50% of the remaining left the village for pursuing jobs. If presently 1550 people inhabit the village, what is the ratio of the initial population to the present population?

A. 103:33

B. 108:33

C. 100:31 ✓

D. 100:33

Q34 Mathematics

Two trains are running in opposite directions at the same speed. If the length of each train is 350 m and they cross each other in 14 seconds, then what is the speed of each train?

A. 25 m/s ✓

B. 35 m/s

C. 28 m/s

D. 26 m/s

Q35 Mathematics

If the marked price of a mat is 76% more than its cost price and a discount of 25% is announced on it, then find the profit percentage.

A. 32% ✓

B. 34%

C. 35%

D. 29%

Q36 Mathematics

A cube and a cuboid have equal volumes. If the cube's side is 10 cm and the cuboid's dimensions are in the ratio 1 : 2 : 4, then find the cuboid's longest side.

A. 18 cm

B. 20 cm ✓

C. 14 cm

D. 16 cm



Q37 Mathematics

Suman, Tariq and Neha invest ₹1,71,000, ₹24,000 and ₹1,05,000, respectively, to start a business. If the profit at the end of the year is ₹7,16,200, then what is the share of Neha in the profit?

A. ₹2,50,667

B. ₹2,50,670

C. ₹2,50,668

D. ₹2,50,672

Q38 Mathematics

The amount ₹1,404 is divided among Neeraj, Vidya, and Mohan in such a way that if ₹47, ₹26, and ₹29 be deducted from their respective shares, they have money in the ratio 10 : 14 : 18. Find the actual share of Vidya.

A. ₹534

B. ₹384

C. ₹460

D. ₹284

Q39 Mathematics

A student thinks of a two-digit number. The digits add up to 15, and the greater digit is 3 more than the smaller one. What is the product of the two digits?

A. 54

B. 36

C. 63

D. 45

Q40 Mathematics

Two pipes, A and B, together fill a tank in 8 hours. If they are opened separately, then B would take 12 hours more than A to fill the tank. Find the time taken (in hours) by A to fill the tank separately.

A. 18

B. 24

C. 12

D. 16

Q41 Mathematics

Mohan's monthly income is ₹40,000, and he spend 75% of the income. How much does he save each month?

A. ₹11,000

B. ₹10,000

C. ₹11,500

D. ₹10,500

Q42 Mathematics

The difference between the present ages of Sneha and her younger cousin Aryan is 12 years. Six years ago, Sneha was three times as old as Aryan was at that time. What is Sneha's present age (in years)?

A. 24

B. 30

C. 26

D. 22

Q43 Mathematics

Simplify: $x^2 + 2x + x^2$

A. $2x^2 + 2x$

B. $2x^2 - 2x$

C. $x^2 + 2x$

D. $2x^2 + x$

Q44 Mathematics

For a journey of 600 km, a truck covers the first 300 km at a speed of 42 km/hr. What speed (in km/hr) must it maintain for the remaining distance to achieve an average speed of 60 km/hr?

A. 80

B. 105

C. 85

D. 120

Q45 Mathematics

For 14 innings, a cricketer has an average of 51 runs. In the 15th inning, he scores 209 runs. His average score increased by _____.
(Round off your answer to the nearest whole number.)

A. 10

B. 11

C. 20

D. 15

Q46 Mathematics

The mode of the observations 3, 4, 4, 7, 3, 6, 2, 2, 6, 1, 3, 5, 9, 3, 8, 4 and 3 is

A. 4

B. 6

C. 3

D. 7



Q47 Mathematics

An article is sold for ₹240 with a loss of 20%. What is the cost price?

A. ₹300



B. ₹250

C. ₹350

D. ₹400

Q48 Mathematics

In an election with two candidates, 25% of the total votes were invalid. One candidate received 40% of the valid votes. If the total number of votes was 3,75,000, how many valid votes did the other candidate receive?

A. 1,56,350

B. 1,75,450

C. 1,86,250

D. 1,68,750

**Q49 Mathematics**

If $2^{x-1} + 2^{x+1} = 160$, then the value of $2x + 1$ is:

A. 15

B. 13



C. 11

D. 9

Q50 Mathematics

If $\cos A = \frac{4}{5}$, find the value of $4 + 4 \tan^2 A$.

A. $\frac{25}{4}$



B. $\frac{4}{25}$

C. $\frac{25}{16}$

D. $\frac{16}{25}$

General Intelligence & Reasoning

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers only.)

(Left) 4 1 5 1 9 7 2 9 5 8 2 4 6 5 6 2 7 8 3 5 9 1 4 7 5 6 8
(Right)

How many such odd numbers are there, each of which is immediately preceded by an even number and also immediately followed by a '5'?

A. Three

B. Two

C. One

D. More than three

**Q52 General Intelligence & Reasoning**

Six people, A, B, C, D, E and F, are sitting in a row, facing north. F sits to the immediate left of A. C sits third to the left of D. C is an immediate neighbour of A. B sits to the immediate left of E. How many people sit between E and C?

A. Three

B. One



C. None

D. Two



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Q53 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All melons are lemons.
No lemon is a pea.

Conclusions:

- (I) No lemon is a melon.
(II) No melon is a pea.

- A. Neither follows
B. Only I follows
C. Only II follows
D. Both follow

Q54 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

5 11 23 47 95 ?

- A. 189
B. 191
C. 193
D. 181

Q55 General Intelligence & Reasoning

In a certain code language,
A + B means 'A is the mother of B',
A - B means 'A is the brother of B',
A x B means 'A is the wife of B',
A % B means 'A is the father of B',
and A # B means 'A is the daughter of B'.

How is E related to K if 'K x N - L # E % C'?

- A. Husband's father
B. Son
C. Son's wife
D. Wife's mother

Q56 General Intelligence & Reasoning

Refer to the given series and answer the question that follows. (All numbers are single digit numbers only.) Counting to be done from left to right only.

(Left) 8 4 5 2 8 9 3 3 4 8 1 6 1 7 5 4 4 2 2 8 5 (Right)

How many such even digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an even digit?

- A. 3
B. 2
C. 4
D. 1

Q57 General Intelligence & Reasoning

If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark '?' in the following equation?

9 B 4 D 18 A 9 C 12 = ?

- A. 44
B. 46
C. 48
D. 51

Q58 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

24 30 25 29 26 ?

- A. 28
B. 30
C. 27
D. 32

Q59 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

PGE 18, TEI 26, XCM 34, BAQ 42, ?

- A. FCU 52
B. GYV 50
C. FYU 50
D. FCV 52



Q60 General Intelligence & Reasoning

Refer to the given number series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 6 1 7 8 5 5 6 1 1 4 2 9 2 3 8 9 5 9 1 5 3 7 8 8 3 2 5
(Right)

How many such even numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

A. 4

B. 6

C. 5



D. 7

Q61 General Intelligence & Reasoning

What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$(84 \times 12) \div 4 - (72 \times 9) \div 3 + 15 = ?$$

A. 59

B. 48

C. 37



D. 24

Q62 General Intelligence & Reasoning

If '+' means '-', '-' means 'x', 'x' means '÷' and '÷' means '+', then what will come in place of the question mark (?) in the following equation?

$$88 - 9 \div 195 + 988 \times 19 = ?$$

A. 935



B. 930

C. 955

D. 915

Q63 General Intelligence & Reasoning

In a row of 40 people facing north, Rina is 8th from the right end. If Tara sits 6th to the left of Rina, what is Tara's position from the left end of the row?

A. 28th

B. 26th

C. 27th



D. 25th

Q64 General Intelligence & Reasoning

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

YAB-FHI
KMN-RTU

A. MNN-TVW

B. MOP-SVV

C. MNN-SUV

D. MOP-TVW

**Q65 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

21 57 87 111 129 ?

A. 143

B. 139

C. 136

D. 141

**Q66 General Intelligence & Reasoning**

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(3, 15, 5)

(7, 35, 5)

A. (8, 40, 5)



B. (5, 30, 5)

C. (9, 27, 9)

D. (6, 24, 6)

Q67 General Intelligence & Reasoning

In a certain code language, 'let me speak' is coded as 'ko df ty' and 'speak the truth' is coded as 'df op np'. How is 'speak' coded in the given language?

(All codes are two-letter codes)

A. df



B. ty

C. op

D. ko



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Q68 General Intelligence & Reasoning

A, B, C, D, E and F are sitting around a circular table, facing the centre. B sits third to the right of C. D sits to the immediate left of E. D is not an immediate neighbour of C. F sits to the immediate right of A. The position of how many persons will remain unchanged if all persons are arranged in the English alphabetical order in clockwise direction starting from A (including A)?

A. Three



B. Two

C. One

D. Four

Q69 General Intelligence & Reasoning

Which of the given letter-number clusters will replace the question mark (?) in the following series to make it logically complete?

IHD 78 EDZ 87 AZV 96 WVR 105 ?

A. SSM 114

B. SBL 113

C. SRN 114



D. SQM 113

Q70 General Intelligence & Reasoning

Mr. Akai starts from Point A and drives 21 km towards south. He then takes a left turn, drives 25 km, turns left and drives 8 km. He then takes a left turn and drives 7 km. He then takes a left turn, drives 12 km, turns right and drives 5 km. He takes a final right turn, drives 25 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only, unless specified.)

A. 10 km to the east

B. 10 km to the south

C. 7 km to the east

D. 13 km to the west

**Q71 General Intelligence & Reasoning**

Seven friends, D, E, F, U, V, W and X, are sitting in a straight line, facing north. No one sits to the right of D. Only three people sit between D and F. Only two people sit between F and E. X sits third to the left of V. W sits to the immediate right of V. How many people sit between U and E?

A. Three



B. One

C. Four

D. Two

Q72 General Intelligence & Reasoning

In a certain code language, 'FAME' is coded as '7469' and 'COAT' is coded as '2387'. What is the code for 'A' in the given code language?

A. 4

B. 2

C. 7



D. 8

Q73 General Intelligence & Reasoning

Raman starts from Point A and drives 44 km towards the north. He then takes a left turn, drives 47 km, turns left and drives 53 km. He then takes a left turn and drives 62 km. He takes a final left turn, drives 9 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 16 km to the east

B. 13 km to the west

C. 15 km to the west



D. 14 km to the west

Q74 General Intelligence & Reasoning

Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. G is kept immediately above B. D is kept immediately above F. Only E is kept above A. Only two boxes are kept above G. D is not kept at third position from the bottom. How many boxes are kept above D?

A. 4

B. 3

C. 2

D. 5

**Q75 General Intelligence & Reasoning**

Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion(s) logically follow(s) from the given statements.

Statements: All rocks are ships. Some ships are tables. All pots are tables.

Conclusion I: Some pots are rocks.

Conclusion II: Some pots are ships.

A. Only Conclusion I follows

B. Only Conclusion II follows

C. Neither Conclusion I nor II follows



D. Both Conclusions I and II follow



Q76 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. MG – QM

B. KH – OM



C. LB – PH

D. YJ – CP

Q77 General Intelligence & Reasoning

This question is based on the following words.

COP, TIK, ANY, CAN, OWN

If in each of the words, each letter is changed to the next letter in the English alphabetical order, how many words thus formed will have no vowel?

A. Four

B. Three

C. Two

D. One

**Q78 General Intelligence & Reasoning**

Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

GKN–QUX

XBE–HLO

A. EHJ–OSV

B. EIL–OSV



C. EHJ–NRU

D. EIL–NSU

Q79 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. ROI

B. TQK

C. FCV



D. DAU

Q80 General Intelligence & Reasoning

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

GDS : LHV

QLY : VPB

A. GNL : KSP

B. ATE : FXH



C. HES : MHX

D. TED : XHF

General Awareness

20 Questions • Answer Key

Q81 General Awareness

Which shallow-water craft was commissioned into the Indian military in June 2025?

A. INS Nilgiri

B. INS Surat

C. INS Arnala



D. INS Vaghsheer

Q82 General Awareness

Which Odisha sand-artist created a sand sculpture celebrating the 2025 Union Budget?

A. Sudarsan Pattnaik



B. Sandip Pal

C. Biranchi Narayan

D. Manas Kumar



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Q83 General Awareness

Which club set a record for the most consecutive victories in men's soccer (34 in a row) by April 2025?

- A. Bayern Munich
- B. Al Hilal
- C. Manchester City
- D. Ajax

Q84 General Awareness

Karad, which was recognised by the Ministry of Housing and Urban Affairs for achieving 100 % segregation, collection, and processing of sanitary and biomedical waste in April 2025, is located in which of the following districts?

- A. Satara district
- B. Indore district
- C. Dehradun district
- D. Coimbatore district

Q85 General Awareness

Where was the Global Fintech Fest (GFF) 2025 held?

- A. Bharat Mandapam, New Delhi
- B. Vigyan Bhavan, New Delhi
- C. Lulu International Convention Centre, Kochi
- D. Jio World Convention Centre, Mumbai

Q86 General Awareness

Which summit held in New Delhi from 10 to 12 April 2025 had the theme "Sambhavna"?

- A. India Internet Governance Forum, 2025
- B. World Startup Summit, 2025
- C. Global Technology Summit, 2025
- D. Digital India Summit, 2025

Q87 General Awareness

Who scored the winning goal for Sunderland in the 2025 EFL Championship playoff final?

- A. Dan Neil
- B. Tom Watson
- C. Eliezer Mayenda
- D. Jack Clarke

Q88 General Awareness

According to the World Bank's 2025 assessment, how many people moved out of extreme poverty in India between 2011-12 and 2022-23?

- A. 171 million
- B. 220 million
- C. 300 million
- D. 100 million

Q89 General Awareness

Which of the following protected areas in Odisha is proposed to be upgraded to a National Park, thereby becoming the state's third national park as of September 2025?

- A. Debrigarh Wildlife Sanctuary
- B. Satkosia Gorge Wildlife Sanctuary
- C. Sunabeda Wildlife Sanctuary
- D. Bhitarkanika Wildlife Sanctuary

Q90 General Awareness

Who was awarded the Vigyan Ratna in 2024 for his contributions in the field of Biological Sciences?

- A. Prof. Jayant Bhalchandra Udgaonkar
- B. Dr. Avesh Kumar Tyagi
- C. Dr. Anandharamakrishnan
- D. Prof. Govindarajan Padmanabhan

Q91 General Awareness

When did the Yonex-Sunrise All India Senior Ranking Badminton Tournament 2025 take place in Moinabad, Telangana?

- A. 8-15 May 2025
- B. 20-27 May 2025
- C. 1-8 May 2025
- D. 25 April - 2 May 2025

Q92 General Awareness

Which of the following honours, awarded in the 2025 King's Birthday Overseas & International Honours List, specifically recognises British nationals for "outstanding service abroad or internationally"?

- A. The Order of St Michael and St George
- B. The Royal Victorian Order
- C. The King's Police Medal
- D. The Order of the British Empire



Q93 General Awareness

The Sachet App provides real-time alerts about which type of emergencies?

- A. Natural disasters ✓
- B. Cybersecurity breaches
- C. Banking frauds
- D. Road traffic congestion

Q94 General Awareness

What is the new daily limit for checking bank balances through a single UPI app as per the National Payments Corporation of India (NPCI) rules effective 1 August 2025?

- A. 75 times
- B. Unlimited
- C. 25 times
- D. 50 times ✓

Q95 General Awareness

Gurindervir Singh broke the national record in which athletic game in the Indian Grand Prix 1?

- A. Long jump
- B. 100 m ✓
- C. 200 m
- D. 400 m

Q96 General Awareness

What type of ride are women riders allowed to choose under Chandigarh's 2025 aggregator rules?

- A. Women-only ride pools ✓
- B. Shortest route only
- C. Free rides for the first 5 km
- D. Uber rides only

Q97 General Awareness

How many entities were penalised by the Reserve Bank of India in FY25?

- A. 100
- B. 500
- C. 353 ✓
- D. 283

Q98 General Awareness

Which of the following organisations released a special postage stamp and a ₹100 commemorative coin during its centenary celebrations in October 2025?

- A. Indian National Congress (INC)
- B. All India Radio (AIR)
- C. Rashtriya Swayamsevak Sangh (RSS) ✓
- D. Bharatiya Mazdoor Sangh (BMS)

Q99 General Awareness

What is the purpose of the Indian AI tool 'OncoMark' introduced by Indian researchers in November 2025?

- A. To create standard cancer treatment guidelines for hospitals and clinics
- B. To conduct public cancer awareness programmes through digital platforms
- C. To analyse cancer's molecular hallmarks for personalised diagnosis and therapy ✓
- D. To maintain nationwide cancer patient data for government health records

Q100 General Awareness

The Second China–Central Asia Summit, held on 16–18 June 2025, took place in:

- A. Bishkek, Kyrgyzstan
- B. Urumqi, China
- C. Astana, Kazakhstan ✓
- D. Tashkent, Uzbekistan



General Science

25 Questions • Answer Key

Q1 General Science

The unicellular organism amoeba has a _____ shape.

- A. fixed
- B. sleeper
- C. changing
- D. star



Q2 General Science

Read the given assertion (A) and reason (R) and select the most appropriate option.

(A): The onset of puberty in females occurs earlier than in males, but both attain their final height by 18–20 years of age.

(R): Although puberty begins later in males, their growth spurt is more rapid than in females.

- A. Both (A) and (R) are true but (R) is not the correct explanation of (A)
- B. (A) is true but (R) is false
- C. Both (A) and (R) are true and (R) is the correct explanation of (A)
- D. (A) is false but (R) is true



Q3 General Science

Stars appear to twinkle in the night sky because _____.

- A. Light from stars undergoes atmospheric refraction
- B. The distance between stars and Earth keeps varying
- C. Stars move rapidly in the sky
- D. They change their brightness continuously



Q4 General Science

At which location on the Earth's surface would a standard object experience the maximum acceleration due to gravity (g)?

- A. The Equator
- B. Tropic of Cancer
- C. The Poles
- D. Tropic of Capricorn



Q5 General Science

Where is a reflex arc formed in the body?

- A. Fore brain
- B. Spinal cord
- C. Hind brain
- D. Muscle



Q6 General Science

What is the colour of copper oxide when it is added to the dilute sulphuric acid to forming a blue-green solution?

- A. White
- B. Grey
- C. Green
- D. Black



Q7 General Science

Which of the following is the correct unit for measuring the work done by a force?

- A. Pascal
- B. Coulomb
- C. Newton
- D. Joule



Q8 General Science

The right-hand thumb rule is used to find which of the following?

- A. Direction of force on a current-carrying conductor
- B. Magnitude of current
- C. Direction of magnetic field around a current-carrying conductor
- D. Resistance of the wire



Q9 General Science

Select the correct statement for asexual reproduction in plants.

- A. It occurs rapidly during unfavourable conditions.
- B. It involves formation of gametes.
- C. It is found in both lower and higher plants.
- D. It involves male and female flowers.



Q10 General Science

Which of the following is an example of compound?

- A. Iron
- B. Hydrogen
- C. Mercury
- D. Sugar

**Q11 General Science**

Which of the following is the characteristic property of a non-metal?

- A. Poor conductor of electricity
- B. Ductility
- C. High melting point
- D. Sonorous

**Q12 General Science**

What are the products formed when metal carbonates react with an acid?

- A. Water, carbon dioxide
- B. Salt, water, carbon monoxide
- C. Salt, water, carbon dioxide
- D. Salt, carbon monoxide

**Q13 General Science**

Bleaching powder is prepared by the reaction of:

- A. calcium carbonate with chlorine gas
- B. sodium hydroxide with chlorine gas
- C. calcium hydroxide with hydrochloric acid
- D. calcium hydroxide with chlorine gas

**Q14 General Science**

According to Bohr's model, electromagnetic radiations possess dual character properties behaving like:

- A. sound and waves
- B. mass and magnetic effect
- C. waves and particles
- D. waves and electrons

**Q15 General Science**

Which of the following statements is/are true for a domestic circuit?

- (i) All the appliances are connected in parallel.
- (ii) The live wire in the domestic circuit has green insulation on it.
- (iii) A fuse connected to the circuit allows excessive current to pass through the appliances.
- (iv) The neutral wire in the domestic circuits has black insulation on it.

- A. Both (i) and (iii)
- B. Both (ii) and (iv)
- C. Both (i) and (iv)
- D. Both (ii) and (iii)

**Q16 General Science**

Why are climate-resistance hybrid crop varieties important for future farming?

- A. Hybrid crops are unaffected by unpredictable weather
- B. Hybrid crops reduce the role of farmers
- C. Hybrid crops are easier to store
- D. Hybrid crops look more attractive

**Q17 General Science**

What is the mass number of an element defined as?

- A. Number of protons
- B. Sum of the number of protons and neutrons
- C. Sum of the number of electrons and protons
- D. Number of neutrons

**Q18 General Science**

Which description best defines cytoplasm?

- A. Genetic material present in the form of chromatin
- B. Rigid layer outside the plasma membrane providing support
- C. Fluid content inside the plasma membrane containing organelles
- D. Network of tubes involved in protein transport within the cell



Q19 General Science

In uniform circular motion, the speed of the body:

- ☒ A. remains constant
- ☐ B. changes continuously
- ☐ C. becomes zero at every point
- ☐ D. depends on the radius only

Q20 General Science

For spherical mirrors of small apertures, the relation between the radius of curvature (R) and focal length (f) is:

- ☐ A. $R = 3f$
- ☒ B. $R = 2f$
- ☐ C. $R = f$
- ☐ D. $R = f/2$

Q21 General Science

Why do we spread cloths while putting them for drying in open sky?

- a. Increasing the surface area will increase the rate of evaporation
- b. Increase in wind speed will not allow the cloth to fly
- c. To remove wrinkles

- ☐ A. Only a and b
- ☐ B. a, b and c
- ☒ C. Only a
- ☐ D. Only a and c

Q22 General Science

Which of the following is a characteristic of the onset of puberty in boys?

- ☐ A. Growth of liver
- ☐ B. Growth of hairs on head
- ☐ C. Growth of pineal gland
- ☒ D. Growth of a moustache

Q23 General Science

The stethoscope works on which principle?

- ☐ A. Dispersion of sound
- ☒ B. Multiple reflection of sound
- ☐ C. Diffraction of sound
- ☐ D. Refraction of sound

Q24 General Science

If a cell lacks a functional Golgi complex, it would mainly fail in _____.

- ☐ A. controlling cell division
- ☐ B. protein synthesis only
- ☒ C. packaging and secretion
- ☐ D. formation of ATP

Q25 General Science

Which of the following statements is true about an unbalanced force acting on an object?

- ☐ A. It always increases the mass of the object.
- ☒ B. It brings the object in motion.
- ☐ C. It keeps the object at rest.
- ☐ D. It has no effect on the object's state of motion.

Mathematics

25 Questions • Answer Key

Q26 Mathematics

The expenditure of Sudha is 150% more than her savings. If her expenditure decreases by 3% and savings increase by 21.5%, then by what percentage does her income increase?

- ☐ A. 6%
- ☐ B. 1%
- ☐ C. 3%
- ☒ D. 4%

Q27 Mathematics

For 15 innings, a cricketer has an average of 94 runs. In the 16th inning, he scores 111 runs. His average score increased by _____. (Round off the answer to the nearest whole number.)

- ☒ A. 1
- ☐ B. 10
- ☐ C. 2
- ☐ D. 7



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Q28 Mathematics

Sangeeta observes the top of a chimney at an angle of elevation of 45° . She is standing 28.7 metres away from the base of the chimney, and her eye level is 1.3 metres above the ground. What is the total height (in metres) of the chimney?

A. 28.7

B. 60

C. 27.4

D. 30

Q29 Mathematics

Two engines of trains 28 km apart start towards each other at speeds of 23 km/hr and 89 km/hr, respectively. After how much time will they meet each other? (Assume the length of engine is negligible)

A. 17 minutes

B. 15 minutes

C. 13 minutes

D. 14 minutes

Q30 Mathematics

Three chairs and two tables together cost ₹600, two chairs and one table together cost ₹350. The cost of four chairs is:

A. ₹400

B. ₹100

C. ₹200

D. ₹300

Q31 Mathematics

If the listed price of a bag is 85% more than its cost price and a discount of 49% is announced on it, then find the loss percentage.

A. 9.12%

B. 5.65%

C. 5.42%

D. 9.31%

Q32 Mathematics

In a quadrilateral QRST, $\angle Q = 74^\circ$ and $\angle R = 39^\circ$. The bisectors of $\angle S$ and $\angle T$ meet at E. What is the measure of $\angle TES$?

A. 47°

B. 56.5°

C. 61.5°

D. 43°

Q33 Mathematics

Seven years ago from now, a man was five times as old as his son. Seven years from now, the father will be three times as old as his son. Find the son's present age.

A. 21 years

B. 38 years

C. 31 years

D. 26 years

Q34 Mathematics

Ravi bought a watch for ₹4,800, spent ₹200 on its repair, and sold it for ₹6,000. What is his profit percentage?

A. 20%

B. 27%

C. 22%

D. 25%

Q35 Mathematics

The number of prime numbers lying between 415 and 428 is:

A. 6

B. 7

C. 2

D. 4

Q36 Mathematics

Priya buys a mobile phone for her child. The phone is marked at ₹34,400 and is offered with two successive discounts of 13% and Z%, respectively. After receiving both discounts, she pays ₹22,446. Find the value of Z.

A. 24

B. 23

C. 26

D. 25



Q37 Mathematics

The volume of a rectangular block of wood is $10,368 \text{ cm}^3$. Its length, breadth and height are in the ratio of $3 : 2 : 1$. If its entire surface is polished at $\text{₹}2/\text{cm}^2$, then find the total cost of polishing.

A. ₹7,135

B. ₹6,336



C. ₹6,356

D. ₹6,436

Q38 Mathematics

In an election with two candidates, Candidate A received 75% of the total valid votes. If 10% of the total 14,000 votes were declared invalid, how many valid votes did Candidate B receive?

A. 3750

B. 3500

C. 3150



D. 4450

Q39 Mathematics

The amount on a sum of ₹5,000 at 20% per annum compound interest, compounded annually, in 2 years, will be:

A. ₹6,563

B. ₹7,247

C. ₹7,760

D. ₹7,200

**Q40 Mathematics**

A seasoned marathoner, known for his steady pace, usually runs the first half of a race at 8 km/hr and the second half at 6 km/hr. However, due to fatigue and other factors, his overall speed drops by 30%. How long will it take him to complete a 120 km marathon under these reduced-speed conditions?

A. 15 hours

B. 17.5 hours

C. 12.5 hours

D. 25 hours

**Q41 Mathematics**

The mode of the observations 21, 32, 34, 34, 34, 20, 32, 24, 34, 34, 20, 25, 29, 26 and 20 is:

A. 21

B. 32

C. 20

D. 34

**Q42 Mathematics**

The sum of two numbers is 54 and their LCM is 195. The two numbers are:

A. 37, 17

B. 39, 15



C. 44, 10

D. 32, 22

Q43 Mathematics

₹8,200 is divided among A, B and C in such a way that if ₹19, ₹9 and ₹13 are deducted from their respective shares, they have money in the ratio 12:19:10. Find the difference between B's and C's original shares.

A. ₹1,841

B. ₹1,787



C. ₹1,691

D. ₹1,641

Q44 Mathematics

Preeti, Qadir and Reena invest sum in the ratio $2 : 8 : 13$, respectively. If they earned total profit of ₹87,193 at the end of year, then what is the positive difference between share of Preeti and Reena?

A. ₹41,704

B. ₹41,702

C. ₹41,701



D. ₹41,703

Q45 Mathematics

A, B and C can do a piece of work in 3, 3 and 3 days, respectively. How long (in days) will they take to do twice the same work, working together?

A. 6

B. 4

C. 3

D. 2



Q46 Mathematics

A, B and C together can complete a piece of work in 12 days, while A alone can complete it in 20 days and C alone can complete it in 36 days. In how many days can B alone complete the work?

A. 180 days



B. 60 days

C. 120 days

D. 150 days

Q47 Mathematics

The radius of a ball of iron is 1.5 cm. Three smaller balls are formed by melting it. If the radii of two smaller balls are 0.75 cm and 1.0 cm, find the diameter of the third ball.

A. 2.5 cm



B. 2.1 cm

C. 2.2 cm

D. 2.3 cm

Q48 Mathematics

If $5^{(x-y)} = 125$ and $5^{(x+y)} = 3125$, find x.

A. 3

B. 4



C. 1

D. 2

Q49 Mathematics

If $a - b = 9$ and $ab = 20$, find the value of $a^2 + b^2$.

A. 127

B. 115

C. 133

D. 121

**Q50 Mathematics**

$\frac{1}{30}$ is what percentage of $\frac{2}{30}$?

A. 100%

B. 65%

C. 60%

D. 50%



Q51 General Intelligence & Reasoning

If 2 is added to each even digit and 2 is added to each odd digit in the number 6345127, what will be the sum of the last two and first two digits in the new number thus formed?

A. 28

B. 24

C. 22

D. 26

**Q52** General Intelligence & Reasoning

A, B, C, D, E and F are sitting around a circular table, facing the centre. A and D are immediate neighbours of C. E is to the immediate left of D. A and F are not immediate neighbours. Who sits third to the right of A?

A. E



B. F

C. B

D. D

Q53 General Intelligence & Reasoning

In a certain code language, 'book news leaf' is coded as 'rk qh aa' and 'leaf gum boat' is coded as 'vf rk xl'. How is 'leaf' coded in that language?

A. rk



B. aa

C. qh

D. vf

Q54 General Intelligence & Reasoning

Seven friends, L, M, N, O, Q, R and S, are sitting in a straight line facing north. Only three people sit to the left of M. Only two people sit between M and L. Only three people sit between S and N. S sits to the immediate left of L. O sits at some place to the left of R but at some place to the right of Q. How many people sit between Q and R?

A. Four

B. One

C. Three



D. Two

Q55 General Intelligence & Reasoning

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

RQF : VTD

SLS : WOQ

A. PLR : TOP



B. OCN : SEL

C. RCT : VFQ

D. UFY : YIV

Q56 General Intelligence & Reasoning

What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$13 - 54 \times 9 \div 7 + 32 = ?$$

A. 24

B. 22

C. 23



D. 26

Q57 General Intelligence & Reasoning

If 'A' stands for '÷', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', then what will come in place of the question mark (?) in the following equation?

$$132 \text{ A } 11 \text{ C } 5 \text{ B } 4 \text{ D } 8 = ?$$

A. 32

B. 40

C. 24



D. 50



Q58 General Intelligence & Reasoning

This question is based on the five, three-digit numbers given below.

(Left) 515 758 761 726 579 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7) (NOTE: All operations to be done from left to right.)

What will be the resultant if the second digit of the highest number is added to the second digit of the lowest number?

A. 6

B. 7



C. 9

D. 13

Q59 General Intelligence & Reasoning

Refer to the given series and answer the question that follows. All numbers are single-digit number only. Counting to be done from left to right,

(Left) 4 7 1 5 9 2 6 3 8 4 7 1 9 5 2 6 8 3 7 9 1 5 2 6 8 (Right)

How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an even digit?

A. Five

B. Two

C. Three



D. Four

Q60 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

11, 36, 72, 121, 185, ?

A. 265

B. 267

C. 266



D. 268

Q61 General Intelligence & Reasoning

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

DSV : HVX

LYZ : PBB

A. KSP : OXT

B. UPG : YRK

C. TED : XHF



D. VPB : ATE

Q62 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

7 12 18 23 ? 34

A. 32

B. 30

C. 28

D. 29

**Q63 General Intelligence & Reasoning**

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(13, 2, 9)

(18, 7, 14)

A. (21, 9, 20)

B. (19, 7, 16)

C. (27, 39, 47)

D. (23, 12, 19)



Q64 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 7 4 1 2 4 9 8 5 3 6 1 5 4 6 7 4 8 3 9 6 5 2 3 9 1 4 2
(Right)

How many such even numbers are there, each of which is immediately preceded by a perfect square and immediately followed by an odd number?

(NOTE: 1 is also a perfect square.)

A. Two

B. More than three

C. Three

D. One

Q65 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All geysers are fans.

No fan is a refrigerator.

Conclusions:

(I): No geyser is a refrigerator.

(II): Some refrigerators are fans.

A. Neither conclusion (I) nor (II) follows

B. Both conclusions (I) and (II) follow

C. Only conclusion (II) follows

D. Only conclusion (I) follows

Q66 General Intelligence & Reasoning

In a certain code language,

'A + B' means 'A is the mother of B',

'A - B' means 'A is the brother of B',

'A × B' means 'A is the wife of B',

'A % B' means 'A is the father of B' and

'A # B' means 'A is the daughter of B'.

How is N related to T if 'C % T # E + P × N'?

A. Wife's mother

B. Wife's sister

C. Daughter's husband

D. Sister's husband

Q67 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. VQJ

B. UPI

C. DYR

D. AWO

Q68 General Intelligence & Reasoning

Hanvi starts from Point L and drives 10 km towards the north. She then takes a right turn, drives 15 km, turns right and drives 17 km. She then takes a right turn and drives 15 km. She takes a final right turn, drives 2 km and stops at Point P. How far (shortest distance) and towards which direction should she drive in order to reach Point L again?

(Note: All turns are 90° turns only unless specified.)

A. 5 km towards south

B. 5 km towards north

C. 6 km towards south

D. 2 km towards east

Q69 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

RUS 36 PSQ 40 NQO 44 LOM 48 ?

A. JLO 51

B. JMK 52

C. JLJ 51

D. JNJ 52

Q70 General Intelligence & Reasoning

Six people, A, B, C, D, E and F are sitting in a row, facing north. D sits to the immediate left of B. C sits third to the left of B. E is an immediate neighbour of B. F sits to the immediate right of C. E sits to the immediate left of A. Who sits at the extreme right end of the line?

A. F

B. A

C. E

D. B



Q71 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

FLO DJM BHK ZFI ?

A. XDG



B. DGX

C. XGD

D. DXG

Q72 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

116 91 69 50 34 ?

A. 17

B. 21



C. 19

D. 23

Q73 General Intelligence & Reasoning

LPBF is related to EIUY in a certain way based on the English alphabetical order. In the same way, JNZD is related to CGSW. To which of the given options is OSEI related, following the same logic?

A. HLXB



B. HBXL

C. HLBX

D. HBGF

Q74 General Intelligence & Reasoning

Balram starts from Point A and drives 15 km towards south. He then takes a left turn, drives 12 km, turns left and drives 16 km. He then takes a left turn and drives 13 km. He takes a final left turn, drives 1 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again?

(All turns are 90 degree turns only unless specified)

A. 3 km to the east

B. 2 km to the east

C. 4 km to the east

D. 1 km to the east

**Q75 General Intelligence & Reasoning**

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All markers are pens.

All markers are sketches.

All markers are chalks.

Conclusions:

(I): All pens are chalks.

(II): Some chalks are sketches.

A. Only conclusion (I) follows

B. Neither conclusion (I) nor (II) follows

C. Both conclusions (I) and (II) follow

D. Only conclusion (II) follows

**Q76 General Intelligence & Reasoning**

In a row of 54 people facing north, Geeta sits 19th from the left end. If only 19 people sit between Barun and Geeta, then what is Barun's position from the right end of the line?

A. 18th

B. 17th

C. 19th

D. 16th

**Q77 General Intelligence & Reasoning**

In a row of 50 people facing north, Rahul is 15th from the left end. If Sumit sits 4th to the right of Rahul, what is Sumit's position from the right end of the row?

A. 30th

B. 33rd

C. 31st

D. 32nd

**Q78 General Intelligence & Reasoning**

In a certain code language, 'drink fruit juice' is coded as 'if tg sd' and 'bring some fruit' is coded as 'if td za'. How is 'fruit' coded in the given language?

(All codes are two-letter codes)

A. za

B. if



C. tg

D. td



Q79 General Intelligence & Reasoning

Refer to the given series and answer the question that follows. (All numbers are single digit numbers only.) Counting to be done from left to right.

(Left) 7 4 3 6 9 3 6 4 5 7 4 5 2 3 8 4 1 5 2 3 7 1 2 5 7 9 8
(Right)

How many such even digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an even digit?

A. 1

B. 4

C. 2



D. 3

Q80 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. WU-VT

B. FD-EC

C. AY-YZ



D. KI-JH

General Awareness

20 Questions • Answer Key

Q81 General Awareness

In the November 2025 bye-elections, which of the following political parties won the bye-election from Nagrota (Jammu & Kashmir)?

A. Aam Aadmi Party (AAP)

B. Indian National Congress (INC)

C. People's Democratic Party (PDP)

D. Bharatiya Janata Party (BJP)

**Q82 General Awareness**

When did the Reserve Bank of India make its first repo rate cut since May 2020?

A. April 2025

B. June 2025

C. February 2025



D. December 2024

Q83 General Awareness

What maximum sustained wind speed range was forecast for Cyclone Montha before landfall in October 2025?

A. 90-100 km/h



B. 60-70 km/h

C. 140-150 km/h

D. 120-130 km/h

Q84 General Awareness

Where is the Nomadic Elephant 2025 exercise held?

A. New Delhi

B. Kathmandu

C. Thimphu

D. Ulaanbaatar

**Q85 General Awareness**

Published in May 2025, Pavan K Varma's Echoes of Eternity explores themes from which of the following?

A. Indian economy

B. Political satire

C. Fictional mythology

D. Indian thought from Rigveda onward

**Q86 General Awareness**

Which Indian official chaired the Standing Committee of the National Board for Wildlife (SC-NBWL) meetings, recommending the revision of blanket 10-km ESZ guidelines in mid-2025?

A. Minister of Agriculture

B. Minister of Environment



C. Minister of Finance

D. Chief Justice of India



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Q87 General Awareness

Which Indian economist was awarded the Padma Vibhushan in 2025?

- A. Jagdish Bhagwati
- B. Jean Drèze
- C. Bibek Debroy
- D. Arvind Subramanian

Q88 General Awareness

Which athlete set a pole vault world record with a clearance of 6.28 m in Wanda Diamond League meeting in Stockholm (June 2025)?

- A. Armand Duplantis
- B. Sam Kendricks
- C. Thiago Braz
- D. Renaud Lavillenie

Q89 General Awareness

As reported in May 2025, which of the following banks of India provided in-principle approval to PayPal and Worldline to operate as cross-border payment aggregators in India?

- A. State Bank of India
- B. Reserve Bank of India
- C. Indian Bank
- D. Bandhan Bank

Q90 General Awareness

What was the theme for World Environment Day (5 June 2025)?

- A. Clean Air Now
- B. Save the Oceans
- C. Beat Plastic Pollution
- D. End Deforestation

Q91 General Awareness

What proportion of women's participation in police recruitment has been mandated under the Uttar Pradesh government's women empowerment policy, Mission Shakti 5.0, launched in September 2025?

- A. 25%
- B. 20%
- C. 15%
- D. 10%

Q92 General Awareness

On 8–9 November 2025, the Ministry of Home Affairs and the National Judicial Academy hosted a national conference in Bhopal focusing on which area?

- A. Environmental Laws
- B. New Criminal Laws
- C. Labour Codes
- D. Cybersecurity Regulations

Q93 General Awareness

Who was appointed as the youngest US Ryder Cup captain since 1963?

- A. Dustin Johnson
- B. Keegan Bradley
- C. Tiger Woods
- D. Phil Mickelson

Q94 General Awareness

In August 2025, which test marked the successful end-to-end demonstration of the parachute-based deceleration system for the Gaganyaan crew module by ISRO?

- A. Crew Module Landing Test (CMLT-03)
- B. Crew Escape System Test (CES-01)
- C. Pad Abort Test (PAT-02)
- D. Integrated Air Drop Test (IADT-01)

Q95 General Awareness

Who became the fastest cricketer to reach 13,000 test runs as of June 2025?

- A. Joe Root
- B. Virat Kohli
- C. Jacques Kallis
- D. Rohit Sharma

Q96 General Awareness

According to the Sustainable Development Goals – National Indicator Framework Progress Report, 2025, released by the Ministry of Statistics and Programme Implementation, what was the forest cover in India as a percentage of its total geographical area in 2023?

- A. 19.79%
- B. 23.56%
- C. 21.76%
- D. 22.74%



Q97 General Awareness

Which SAI venue in Chennai was scheduled to host the Athletics selection trials on 1 February 2025?

- A. SDAT Nehru Park
- B. Jawaharlal Nehru Stadium ✓
- C. Velachery Grounds
- D. Anna University

Q98 General Awareness

At the 2025 Janusz Kusociński Memorial held in Poland, what rank did Neeraj Chopra achieve?

- A. Second place ✓
- B. Third place
- C. Fourth place
- D. First place

Q99 General Awareness

Which body emphasised safety audits for women in public spaces during a symposium in June 2025?

- A. Supreme Court of India
- B. National Commission for Women
- C. National Human Rights Commission ✓
- D. Ministry of Home Affairs

Q100 General Awareness

Researchers from which institutions discovered a new prion called SNG2 in January 2025?

- A. Delhi University and Council of Scientific & Industrial Research - Delhi
- B. IIT - Delhi and AIIMS - Delhi
- C. IISc - Bengaluru and NIPER - Mohali
- D. Amity University - Mohali and Institute of Microbial Technology - Chandigarh ✓



General Science

25 Questions • Answer Key

Q1 General Science

Which of these processes begins after pollen lands on the stigma of a flower?

- A. The petals open wider.
- B. It develops into a seed directly.
- C. A pollen tube grows through the style to reach the ovary. ✓
- D. The leaves begin photosynthesis immediately.

Q2 General Science

In India, cows are classified under which scientific species name?

- A. *Bos taurus*
- B. *Bos bubalis*
- C. *Bubalus bubalis*
- D. *Bos indicus* ✓

Q3 General Science

Which of the following statements are correct for benzene?

- a. It is a six-membered cyclic carbon compound.
- b. It has three single and three double bonds.
- c. The molecular formula is C_6H_{14} .

- A. Only a and b ✓
- B. Only a and c
- C. a, b and c
- D. Only b and c

Q4 General Science

For a given wave, if the speed becomes three times and the wavelength becomes three times, the frequency ____.

- A. becomes three times
- B. remains the same ✓
- C. becomes nine times
- D. becomes one-third

Q5 General Science

Which is the main transport system in animals?

- A. Circulatory system ✓
- B. Respiratory system
- C. Muscular system
- D. Nervous system

Q6 General Science

Which of the following methods will NOT help in the management of garbage and other wastes produced by humans?

- A. Landfilling plastics in soil ✓
- B. Treating wastes before release
- C. Following 3R's (Reduce, Reuse, Recycle)
- D. Vermicomposting

Q7 General Science

What is the IUPAC rule for writing element symbols?

- A. Two lowercase letters always used (in case of two letters)
- B. Symbols written in numeric codes
- C. First letter uppercase, second lowercase (in case of two letters) ✓
- D. Both letters always in uppercase form (in case of two letters)

Q8 General Science

A science teacher asks students to measure the current through a bulb using an ammeter. What precaution must the students follow?

- A. Connect the ammeter without a battery
- B. Connect the ammeter with reversed polarity
- C. Connect the ammeter in parallel with the bulb
- D. Connect the ammeter in series with correct polarity ✓



Q9 General Science

Which method is used to purify metals like Zinc and Copper?

- A. Alloying
- B. Electrolytic refining ✓
- C. Roasting
- D. Smelting

Q10 General Science

What does the Law of Conservation of Mass state?

- A. Mass of reactants is always lost
- B. Energy can be converted into mass
- C. Mass remains unchanged in reactions ✓
- D. Mass of products is always greater

Q11 General Science

Which of the following statements is true?

- A. The magnetic field lines inside a solenoid are circular.
- B. The magnetic field inside a solenoid carrying current does not depend on the strength of the current.
- C. On increasing the number of turns per unit length in a solenoid, the strength of the magnetic field in the solenoid increases. ✓
- D. On increasing the resistance of the wire, the strength of the magnetic field in a solenoid increases.

Q12 General Science

When applying the sign conventions for spherical lenses to measure object and image distances, where are all measurements taken from?

- A. The principal focus
- B. The centre of curvature
- C. The optical centre of the lens ✓
- D. The pole of the lens

Q13 General Science

When is a neutral salt formed?

- A. When strong acid reacts with weak base
- B. When weak acid reacts with strong base
- C. When acid reacts with metal
- D. When strong acid reacts with strong base ✓

Q14 General Science

Which of the following statements best describes autotrophic nutrition?

- A. It involves direct absorption of organic compounds from other organisms.
- B. It depends entirely on consuming other living organisms for food.
- C. It requires digestion of complex substances outside the body.
- D. It involves making food using carbon dioxide and water in the presence of sunlight. ✓

Q15 General Science

When is the work done by a force considered negative?

- A. When the force acts opposite to the direction of displacement ✓
- B. When there is no displacement
- C. When the force acts in the same direction as displacement
- D. When the force is zero

Q16 General Science

Momentum (p) is a vector quantity. That means, momentum has both _____.

- A. speed and time
- B. magnitude and direction ✓
- C. force and acceleration
- D. mass and velocity

Q17 General Science

Which of the following is a key feature of offsprings produced through vegetative propagation?

- A. They require fertilisation to develop.
- B. They are genetically diverse from the parent plant.
- C. They are genetically identical to the parent plant. ✓
- D. They always grow slower than seed-grown plants.

Q18 General Science

Which of the following correctly matches a floral part with its primary biological function in reproduction?

- A. Pistil – attraction of pollinators
- B. Petals – production of female gametes
- C. Sepals – development of ovules
- D. Stamens – production of pollen grains ✓



Q19 General Science

Which of the following is a pure substance consisting of only one type of atom?

A. Sodium



B. Milk

C. Air

D. Water

Q20 General Science

Which of the following is NOT an application of Archimedes' Principle?

A. Determining the density of an irregular solid

B. Submarine floating and diving

C. Calculating buoyant force on a body in fluid

D. Measuring electrical resistance of a wire

**Q21 General Science**

Which of the following represents non-uniform linear velocity?

A. A train starting from rest



B. A ball rolling at uniform rate

C. A body moving in a straight line at fixed speed

D. A car moving at constant speed

Q22 General Science

Which of the following statements is correct about the definition of complex permanent tissues?

A. Complex permanent tissues are made up of different types of cells performing different tasks.



B. Complex permanent tissues are made up of similar type of cells.

C. Complex permanent tissues are made of simple permanent tissues.

D. Complex permanent tissues are made up of different types of cells performing similar tasks.

Q23 General Science

If an object is placed at the centre of curvature of a concave mirror, the image formed will be:

A. at the focus, real and diminished

B. between focus and pole, virtual and erect

C. at the centre of curvature itself, real and of the same size



D. at infinity, virtual and magnified

Q24 General Science

A small amount of copper oxide taken in a beaker and dilute hydrochloric acid is added to it slowly while stirring, results in:

A. formation of reddish-brown colour solution of copper chloride

B. formation of reddish-brown colour solution of cupric chloride

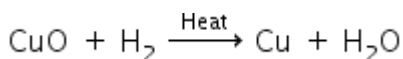
C. formation of bluish-green colour solution of copper chloride



D. formation of reddish-brown colour solution of copper sulphate

Q25 General Science

Which of the following species is reduced in the given reaction?



A. O

B. Cu



C. H₂O

D. H₂



Q26 Mathematics

The amount on a sum of ₹5,200 at 20% per annum compound interest, compounded annually, in 2 years will be:

- A. ₹7,105
- B. ₹6,916
- C. ₹7,488
- D. ₹7,472

**Q27 Mathematics**

A shopkeeper sells 10 identical watches for ₹10,500, which is the cost price of 8 watches. Find his loss percentage.

- A. 10%
- B. 40%
- C. 20%
- D. 30%

**Q28 Mathematics**

The cost price of a dress is ₹1,600. The shopkeeper makes a profit of 20% on selling it. If he offers a discount of 25% at the time of sale, find the marked price (in ₹).

- A. 2,050
- B. 1,920
- C. 2,560
- D. 2,380

**Q29 Mathematics**

The sum of two numbers is 74 and their difference is 12. Find the product of the two numbers.

- A. 1533
- B. 1333
- C. 1233
- D. 1433

**Q30 Mathematics**

Two trains, Train A and Train B, are traveling towards each other on parallel tracks. Train A is 150 meters long and moves at a speed of 72 km/h. Train B is 100 meters long and moves at a speed of 54 km/h. How much time (rounded off to two decimal places) will it take for Train A to completely pass Train B?

- A. 6.14 seconds
- B. 9.14 seconds
- C. 7.14 seconds
- D. 10.14 seconds

**Q31 Mathematics**

P and Q together can fill a cistern with water in 15 hours. If P alone can fill the cistern with water in 40 hours, then in how many hours will Q alone fill one-fourth of the same cistern with water?

- A. 6
- B. 13
- C. 12
- D. 7

**Q32 Mathematics**

The mean and the mode of a set of data are 20 and 88.7, respectively. Find the median of the data, using the empirical formula.

- A. 42.9
- B. 42.5
- C. 44.5
- D. 43.1

**Q33 Mathematics**

Two pipes, F and M, can fill a cistern in 25 minutes and 30 minutes, respectively. If both pipes are opened together, after how many minutes should pipe F be closed so that the cistern is completely filled in 15 minutes?

- A. 15 min
- B. 12.5 min
- C. 12 min
- D. 10 min



Q34 Mathematics

The ratio of the ages of a wife and husband is 6 : 7 at present. If the sum of their ages after 20 years from now is 92, then find their present ages (in years), respectively.

A. 24, 28



B. 18, 21

C. 30, 42

D. 42, 49

Q35 Mathematics

The ratio of three numbers is 12:14:4. If 25% of the first number is 18, then what would 30% of the difference between the third and second numbers be?

A. 16

B. 18



C. 17

D. 19

Q36 Mathematics

If $A6B59$ is exactly divisible by 9, then find the least possible value of $(A^2 + 2B)$.

A. 13



B. 14

C. 19

D. 21

Q37 Mathematics

The monthly incomes of two friends Chetan and Vipul, are in the ratio 5 : 9, respectively, and each of them saves ₹51,000 every month. If the ratio of their monthly expenditure is 1 : 3, find the monthly income of Chetan(in ₹).

A. 1,19,000

B. 84,000

C. 85,000



D. 86,000

Q38 Mathematics

The distance between points A and B is 663 km. Amit travels from A to B at 131 km/hr and returns at 24 km/hr. Calculate his average speed for the entire journey (rounded off to two decimal places).

A. 40.57 km/hr



B. 43.79 km/hr

C. 46.18 km/hr

D. 39.54 km/hr

Q39 Mathematics

A tower stands vertically on the ground. From a point on the ground which is 29.6 m away from the foot of the tower, the angle of elevation of the top of the tower is found to be 45° . Find the height of the tower.

A. 29.6 m



B. 25.6 m

C. 27.6 m

D. 23.6 m

Q40 Mathematics

Simplify: $86 - (-16) \times (-8 - 20 - 18) \div [1 \times \{10 + (-2) \times (-3)\}]$

A. 40



B. 42

C. 46

D. 31

Q41 Mathematics

Sunita, Javed, and Rani invest ₹13,90,000, ₹4,70,000, and ₹15,40,000, respectively, to start a business. If the profit at the end of the year is ₹4,50,500, then what is the share of Rani in the profit?

A. ₹2,04,048

B. ₹2,04,053

C. ₹2,04,050



D. ₹2,04,052

Q42 Mathematics

An agent sells a turbo cooker with a marked price of ₹6,370 at a discount of 50%. What is the selling price (in ₹) of the turbo cooker?

A. 3,185



B. 2,548

C. 3,158

D. 2,549



Q43 Mathematics

What is the mode of the following data?

53, 53, 40, 49, 50, 48, 53, 50, 41, 40, 53, 45, 40, 47, 43, 52, 51, 42, 51, 53

A. 49

B. 50

C. 53



D. 40

Q44 Mathematics

A metallic sphere of unknown radius is melted and recast into 64 smaller spherical balls. During the recasting process, 20% of the total metal is lost as waste. If the total volume of the 64 smaller spheres after the loss is 10,752 cm³, determine the radius (rounded off to the nearest integer) of the original sphere. (Use $\pi = 3.14$)

A. 15 cm



B. 14 cm

C. 17 cm

D. 16 cm

Q45 Mathematics

The volume (in m³) of a cube with edges of 31 m is:

A. 29959

B. 29595

C. 29791



D. 29898

Q46 Mathematics

In a quadrilateral EFGH, $\angle E = 52^\circ$ and $\angle F = 37^\circ$. The bisectors of $\angle G$ and $\angle H$ meet at X. What is the measure of $\angle HXG$?

A. 44.5°



B. 48.5°

C. 37°

D. 49°

Q47 Mathematics

The price of fuel decreases by 15%, 30% and 60% in three successive months, but increases by 60% in the fourth month. What is the percentage increase/decrease in the price of fuel in the fourth month as compared to its original price?

A. Decreases by 67.07%

B. Increases by 66.82%

C. Decreases by 61.92%



D. Increases by 58.55%

Q48 Mathematics

$\frac{1}{30}$ is what percentage of $\frac{2}{20}$ (rounded off to two decimal places)?

A. 48.33%

B. 66.67%

C. 43.33%

D. 33.33%

**Q49 Mathematics**

If the HCF of three numbers is 23 and they are in the ratio 1:2:3, then the numbers are:

A. 23, 46, 92

B. 23, 56, 59

C. 23, 46, 69



D. 13, 46, 92



Q50 Mathematics

The value of $\frac{(a^2 - b^2)^3 + (b^2 - c^2)^3 + (c^2 - a^2)^3}{(a - b)^3 + (b - c)^3 + (c - a)^3}$ is:

A. $2(a - b)(b - c)(c - a)$

B. $(a - b)(b - c)(c - a)$

C. $3abc$

D. $(a + b)(b + c)(c + a)$ ✓

General Intelligence & Reasoning

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

Refer to the given series and answer the question that follows. (All numbers are single digit numbers only.)
Counting to be done from left to right only.

(Left) 9 8 9 2 6 3 9 2 7 5 5 6 9 2 9 6 8 9 1 2 9 1 6 7 9 1 8
(Right)

How many such even numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

A. 2 ✓

B. 3

C. 1

D. 4

Q52 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

45 ? 57 63 69 75

A. 62

B. 51 ✓

C. 47

D. 53

Q53 General Intelligence & Reasoning

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

UIR : WDP

FRO : HMM

A. LJQ : NEN

B. CPP : EKN ✓

C. GHJ : ICG

D. KIT : MCR

Q54 General Intelligence & Reasoning

This question is based on the five, three-digit numbers given below.

(Left) 715, 906, 570, 853, 418 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

Note: All operations to be done from left to right.

What will be the resultant if the third digit of the highest number is added to the second digit of the lowest number?

A. 8

B. 7 ✓

C. 13

D. 6

Q55 General Intelligence & Reasoning

Refer to the following series and answer the question that follows (all numbers are single digit numbers only).
Counting to be done from left to right only.

(Left) 9 5 4 3 9 4 2 5 8 8 2 1 9 7 1 7 4 9 8 8 8 3 2 1 5 2 8
(Right)

How many such even numbers are there (from left to right) each of which is immediately preceded by an odd number and also immediately followed by an even number?

A. 4 ✓

B. 6

C. 3

D. 5



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Q56 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. GL - EJ

B. OT - MS

C. MR - KP

D. IN - GL

Q57 General Intelligence & Reasoning

What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$45 - 54 \times 6 + 12 \div 1 = ?$$

A. 42

B. 44

C. 46

D. 40

Q58 General Intelligence & Reasoning

Seven boxes A, B, C, D, P, Q and R are kept one over the other but not necessarily in the same order. D is kept immediately above Q. R is kept immediately above C. Only P is kept above A. Only two boxes are kept above D. R is not kept at third position from the bottom.

How many boxes are kept between B and P?

A. One

B. Three

C. Four

D. Two

Q59 General Intelligence & Reasoning

If + means -, - means x, x means ÷ and ÷ means +, then what will come in place of the question mark (?) in the following equation?

$$18 + 4 - 6 \div 46 \times 2 = ?$$

A. 14

B. 17

C. 11

D. 21

Q60 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

REN VBR ZYV DVZ ?

A. HSD

B. GTE

C. GSC

D. IRC

Q61 General Intelligence & Reasoning

In a certain code language,

'A + B' means 'A is the mother of B',

'A - B' means 'A is the brother of B',

'A x B' means 'A is the wife of B',

'A % B' means 'A is the father of B' and

'A # B' means 'A is the daughter of B'.

How is Q related to N if 'N % E - C % R # Q'?

A. Son's wife

B. Husband's father

C. Father's brother

D. Son's daughter

Q62 General Intelligence & Reasoning

What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$58 \div 11 + 624 \times 13 - 471 = ?$$

A. 1061

B. 1022

C. 1032

D. 1011

Q63 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

2 1 1 1.5 ? 7.5

A. 2

B. 4

C. 2.5

D. 3



Q64 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(12, 15, 720)
(14, 11, 616)

A. (16, 11, 704)



B. (18, 9, 548)

C. (13, 10, 510)

D. (12, 9, 434)

Q65 General Intelligence & Reasoning

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

DBC–YWX
KIJ–FDE

A. RPQ–MKL



B. ROO–MKL

C. RPQ–LKK

D. ROO–LJK

Q66 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All pans are cups.
All cups are bottles.
Some cups are mugs.

Conclusions:

(I): Some bottles are mugs.
(II): Some pans are mugs.

A. Only conclusion (I) follows



B. Only conclusion (II) follows

C. Both conclusions (I) and (II) follow

D. Neither conclusion (I) nor (II) follows

Q67 General Intelligence & Reasoning

In a certain code language, 'POKE' is coded as '8469' and 'KIND' is coded as '2387'. What is the code for 'K' in the given code language?

A. 4

B. 2

C. 8



D. 6

Q68 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 9 1 5 1 9 8 6 6 9 9 4 1 6 7 8 3 7 2 1 3 5 3 5 1 6 2 8
(Right)

How many such even numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

A. 6

B. 4



C. 3

D. 5

Q69 General Intelligence & Reasoning

In a certain code language, 'ELMS' is coded as '4892' and 'ALES' is coded as '7428'. What is the code for 'A' in the given code language?

A. 2

B. 4

C. 8

D. 7



Q70 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All viruses are fungi.
Some viruses are bacteria.

Conclusions:

- (I) Some fungi are bacteria.
(II) No fungi is a virus.

A. Only II follows

B. Both follow

C. Neither follows

D. Only I follows

**Q71 General Intelligence & Reasoning**

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. SWYC

B. HLNR

C. INOS



D. VZBF

Q72 General Intelligence & Reasoning

Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

DL – IQ – NV
FN – KS – PX

A. BJ – GO – LT



B. PL – RN – TP

C. UW – YZ – SU

D. RM – QT – PR

Q73 General Intelligence & Reasoning

A, B, C, D, W, X and Y are sitting around a circular table facing the centre of the table. C sits fourth to the right of X. Only two people sit between Y and W when counted from the left of Y. D sits third to the left of B. A is an immediate neighbour of B and W. How many people between C and A when counted from the left of A?

A. Two

B. Four



C. One

D. Three

Q74 General Intelligence & Reasoning

Seven boxes, D, E, F, U, V, W and X, are kept one over the other, but not necessarily in the same order. Only two boxes are kept below W. Only two boxes are kept between W and U. Only one box is kept between U and E. X is kept immediately above V. F is kept at some place below D. How many boxes are kept between D and X?

A. Three

B. Four



C. One

D. Two

Q75 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

XBF 84 IMQ 92 TXB 100 EIM 108 ?

A. PSW 115

B. PTX 116



C. PUW 116

D. PRU 115

Q76 General Intelligence & Reasoning

Five people, A, B, C, D and E, are sitting in a row, facing north. A sits at the extreme right end of the row. D sits to the immediate left of A. Only B sits between C and E. How many people sit between A and B?

A. 1

B. 0

C. 3

D. 2



Q77 General Intelligence & Reasoning

Seven friends D, E, F, U, V, W and X are sitting in a straight line facing the north. Only three people are seated to the left of D. Only E is seated to the right of W. Only three people are seated between W and X. V is seated at some place to the left of U but at some place to the right of F. How many people are seated between F and U?

A. One

B. Three



C. Two

D. Four

Q78 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

120 135 155 180 210 ?

A. 245



B. 240

C. 233

D. 230

Q79 General Intelligence & Reasoning

Town I is to the north of Town F. Town H is to the east of Town I. Town J is to the east of Town H. Town G is to the north of Town J. What is the position of Town F with respect to Town G?

A. East

B. Northeast

C. Southwest



D. North

Q80 General Intelligence & Reasoning

Rihan starts from Point A and drives 24 km towards East. He then takes a right turn, drives 50 km, turns right and drives 51 km. He then takes a right turn and drives 63 km. He takes a final right turn, drives 27 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only, unless specified.)

A. 17 km to the north

B. 13 km to the South



C. 15 km to the north

D. 11 km to the South

General Awareness

20 Questions • Answer Key

Q81 General Awareness

In October 2025, the Centre for Research on Energy and Clean Air (CREA) published the PM2.5 air quality assessment of Indian cities. What does PM2.5 refer to?

A. Ground-level ozone produced during photochemical reactions

B. Carbon monoxide generated from incomplete combustion

C. Fine particulate matter with a diameter of 2.5 micrometres or smaller



D. Sulphur dioxide emissions released from industrial units

Q82 General Awareness

In September 2025, Justice Shree Chandrashekhar took oath as the Chief Justice of which High Court, following his appointment by the Government of India?

A. Rajasthan High Court

B. Bombay High Court



C. Calcutta High Court

D. Delhi High Court

Q83 General Awareness

The Indian Armed Forces contingent participating in the multilateral joint military exercise ZAPAD 2025 is being led by which regiment of the Indian Army?

A. Rajput Regiment

B. Kumaon Regiment



C. Gorkha Regiment

D. Sikh Regiment

Q84 General Awareness

Which of the following initiatives was launched by the Union Ministry of Tribal Affairs in 2025 to improve the implementation of tribal welfare schemes?

A. Janjatiya Jyoti Abhiyan

B. Tribal Pragati Mission

C. Van Dhan 2.0

D. Adi Karmyogi



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Q85 General Awareness

In June 2025, Rajkishore Parhi was chosen for the Bal Sahitya Puraskar for poetry collection, 'Kete Phula Phutichhi', in which language?

- A. Tamil
- B. Telegu
- C. Bhojpuri
- D. Odia

**Q86 General Awareness**

In July 2025, which of the following firms entered into a binding agreement to form a 50:50 domestic reinsurance joint venture to serve the insurance market in India?

- A. Allianz with Jio Financial Services
- B. Swiss Re with Axis Bank
- C. Munich Re with Paytm
- D. Lloyd's with PayU

**Q87 General Awareness**

In 2025, who broke the women's mile world record with a time of 4:06.42 at Nike's Breaking event in Paris?

- A. Sifan Hassan
- B. Faith Kipyegon
- C. Laura Muir
- D. Genzebe Dibaba

**Q88 General Awareness**

In June 2025, a London-bound Air India aircraft crashed shortly after taking off from which airport?

- A. Kolkata Airport
- B. Ahmedabad Airport
- C. Chennai Airport
- D. Delhi Airport

**Q89 General Awareness**

What rank did Neeraj Chopra achieve during the Doha Diamond League competition of 2025?

- A. First
- B. Third
- C. Second
- D. Fourth

**Q90 General Awareness**

What is the name of the new regulatory body formed by the Reserve Bank of India in May 2025 to supervise India's payment systems?

- A. National Payments Council
- B. Payments Governance Authority
- C. Unified Financial Authority
- D. Payments Regulatory Board

**Q91 General Awareness**

In which event did Suruchi Singh win a gold medal at the ISSF World Cup, 2025, in Munich?

- A. Women's 25m pistol
- B. Women's trap shooting
- C. Women's 10m air pistol
- D. Women's 50m rifle

**Q92 General Awareness**

In August 2025, which of the following African countries was officially declared free of sleeping sickness by the World Health Organization (WHO)?

- A. Ghana
- B. Kenya
- C. Nigeria
- D. Uganda

**Q93 General Awareness**

What is the purpose of introducing Sugar Boards in CBSE schools, as reported in May 2025?

- A. To promote physical education
- B. To encourage sports activities
- C. To educate about sugar risks
- D. To teach hygiene practices

**Q94 General Awareness**

Recently, who has taken over as president of industry body ASSOCHAM for 2024-25?

- A. Akhilesh Nayar
- B. Sanjay Nayar
- C. Suresh Nayar
- D. Pankaj Nayar



Q95 General Awareness

At the 23rd National Para Athletics Championships 2025 in Chennai's Nehru Stadium, which state claimed the top position in the combined men's and women's team standings?

- A. Maharashtra
- B. Tamil Nadu
- C. Uttar Pradesh
- D. Haryana

**Q96 General Awareness**

Chief Minister Yogi Adityanath launched which book on public etiquette in May 2025?

- A. Sanghatil Manavi Vyavasthapan
- B. Rajal Neeti: Lok Vyavhaar
- C. The Divine Kumbh
- D. Rajal Neeti: Time Management

**Q97 General Awareness**

Pobitora Wildlife Sanctuary reopened for the 2025–26 tourist season in which Indian state?

- A. Assam
- B. Odisha
- C. West Bengal
- D. Meghalaya

**Q98 General Awareness**

Which government body introduced the FASTag annual pass?

- A. National Highways Authority of India
- B. Ministry of Rural Infrastructure and Bridges
- C. Directorate of National Toll and Transit
- D. Indian Roadways Development Council

**Q99 General Awareness**

Which landmark treaty, aimed at protecting the high seas, achieved its final ratification push during the UN Ocean Conference in June 2025?

- A. United Nations Convention on the Law of the Sea (UNCLOS)
- B. Biodiversity Beyond National Jurisdiction (BBNJ) Agreement
- C. Paris Agreement on climate change
- D. Convention on Wetlands (Ramsar Convention)

**Q100 General Awareness**

What was the theme of the 28th National Conference on e-Governance scheduled for 22 and 23 September 2025 in Visakhapatnam?

- A. Viksit Bharat: Civil Service and Digital Transformation
- B. Digital India: Inclusive Growth
- C. e-Governance for Sustainable Development
- D. AI in Governance: Future Pathways



General Science

25 Questions • Answer Key

Q1 General Science

Why do passengers in a moving car tend to jerk forward when the brakes are suddenly applied?

- A. Because the brakes push the passengers forward
- B. Because of the inertia of motion that keeps the body moving forward ✓
- C. Due to the force applied by the engine
- D. Because of the friction between the seat and the body

Q2 General Science

Life on earth depends on _____ molecules as the main source of energy for all organisms.

- A. carbon-based ✓
- B. oxygen-based
- C. protein-based
- D. nitrogen-based

Q3 General Science

If the frequency of a vibrating object is 50 Hz, what is its time period?

- A. 5 s
- B. 0.02 s ✓
- C. 2 s
- D. 0.2 s

Q4 General Science

The magnetic field around a straight current-carrying conductor:

- A. points radially outward
- B. forms concentric circles around the conductor ✓
- C. points along the conductor
- D. is zero

Q5 General Science

Ethanoic acid reacts with alcohols to form what compound?

- A. Ketone
- B. Esters ✓
- C. Aldehyde
- D. Alcohols

Q6 General Science

Why are grains first dried in sunlight and then in shade before storage?

- A. To make them soft
- B. To save time
- C. To reduce moisture content and prevent spoilage ✓
- D. To reduce the colour of grains

Q7 General Science

What happens in the female body if the egg is NOT fertilised?

- A. The egg remains in the uterus and turns into an embryo.
- B. The thick uterine lining is retained permanently.
- C. The uterine lining breaks down and is expelled as blood and mucous. ✓
- D. The ovary stops releasing eggs permanently.

Q8 General Science

Which of the following is produced when a carbon compound undergoes complete combustion?

- A. Carbon monoxide and water
- B. Carbon dioxide and water ✓
- C. Carbon and oxygen
- D. Carbon dioxide and hydrogen

Q9 General Science

Why are vesicles important in the functioning of the Golgi apparatus?

- A. They digest waste materials
- B. They help in forming the nucleus
- C. They carry materials to and from the Golgi apparatus ✓
- D. They generate energy needed for packaging in Golgi apparatus



Q10 General Science

An object is placed at 35.0 cm in front of a concave mirror of focal length 25.0 cm. At what distance from the mirror an image is formed?

- A. 8.75 cm
- B. - 87.5 cm
- C. 10 cm
- D. - 8.75 cm

**Q11 General Science**

What name is given to the flat, stacked sacs that make up the Golgi apparatus?

- A. Cristae
- B. Thylakoids
- C. Cisternae
- D. Vesicles

**Q12 General Science**

Where does the heat energy go when the solid melts but its temperature remains the same?

- A. It is used to overcome the forces of attraction between the particles.
- B. It is lost to the surroundings while overcoming the forces of repulsion.
- C. It is lost to the surroundings while overcoming the forces of attraction.
- D. It is used to overcome the forces of repulsion between the particles.

**Q13 General Science**

Which of the following is NOT applicable to the Law of Constant Proportion?

- A. Elements
- B. Mixtures
- C. Compounds
- D. Ionic Compounds

**Q14 General Science**

Conventionally, what is the assigned direction of electric current in an electric circuit, given the flow of electrons?

- A. Same as the movement of atoms
- B. Opposite to the flow of positive charges
- C. Same as the movement of molecules
- D. Opposite to the flow of electrons

**Q15 General Science**

For uniformly accelerated motion, which of the following is true about the velocity–time graph?

- A. The graph is always curved because velocity changes irregularly.
- B. The graph can have any shape depending on the motion.
- C. The graph is a straight line because velocity changes by equal amounts in equal intervals of time.
- D. The graph is horizontal because velocity remains constant.

**Q16 General Science**

A block of mass 1 kg is dropped from the top of a building of height 20 m. What will be the velocity with which the block hits the ground?

(Take the value of $g = 10 \text{ m/s}^2$)

- A. 20 m/s
- B. 40 m/s
- C. $\sqrt{40}$ m/s
- D. $\sqrt{20}$ m/s

**Q17 General Science**

Which of the following correctly represents the strength of attraction between particles in the three states of matter?

- A. Solid < Liquid < Gas
- B. Solid > Gas > Liquid
- C. Gas < Liquid < Solid
- D. Gas > Liquid > Solid

**Q18 General Science**

How can you identify a concave and a convex mirror based on the direction of their reflecting surfaces?

- A. A concave mirror reflects light outward, while a convex mirror reflects it inward.
- B. A concave mirror has its reflecting surface curved inward; a convex mirror has its reflecting surface curved outward.
- C. Both concave and convex mirrors have the same reflecting surface direction.
- D. A concave mirror and a convex mirror both reflect inward.



Q19 General Science

Consider the following statements and select the correct option.

Statement A: Plants require specific soil pH for proper growth.

Statement B: Farmers use pH values to decide the type of fertiliser to add.

- A. Statement A is incorrect but B is correct.
- B. Statement A is correct but B is incorrect.
- C. Both statements A and B are correct.**
- D. Both statements A and B are incorrect.

Q20 General Science

Which of the following is abiotic factor responsible for storage losses in agricultural produce?

- A. Fungi
- B. Insects
- C. Moisture**
- D. Rodents

Q21 General Science

Isotopes of an element have the same number of _____.

- A. Protons**
- B. Electrons
- C. Neutrons
- D. Nucleus

Q22 General Science

A stone falls freely and covers a distance (s) 20 m in time (t) 2.0 s. What is the value of acceleration due to gravity (g)?

- A. 10.0 m/s²**
- B. 12.0 m/s²
- C. 8.0 m/s²
- D. 20.0 m/s²

Q23 General Science

Which structural feature contributes to the high reactivity of unsaturated organic compounds?

- A. Total absence of hydrogen atoms within the compound molecule
- B. Existence of double or triple bonds between carbon atoms**
- C. Incomplete formation of the carbon atom backbone structure
- D. Presence of halogen atoms attached to the carbon framework

Q24 General Science

In human females, if the egg is not fertilised, the monthly shedding of the uterine lining is called which of the following?

- A. Maturation
- B. Fertilisation
- C. Menstruation**
- D. Maintenance

Q25 General Science

Even though ovulation occurs regularly in a female, the uterus lining is shed during menstruation each month. What does this suggest about fertilisation?

- A. The ovary is not releasing eggs
- B. Fertilisation is occurring each time
- C. Fertilisation is not occurring**
- D. The uterus is rejecting the embryo



Q26 Mathematics

If the fourth proportional to 8, X and 15 is 135, then find the value of X.

A. 71

B. 73

C. 74

D. 72

**Q27 Mathematics**

The amount on a sum of ₹7,300 at 10% per annum compound interest, compounded annually, in 2 years will be:

A. ₹8,444

B. ₹8,833



C. ₹9,391

D. ₹8,251

Q28 Mathematics

A, B and C can do a piece of work in 3, 6 and 2 days, respectively. How long (in days) will they take to do twice the same work, working together?

A. 4

B. 6

C. 3

D. 2

**Q29 Mathematics**

A dealer allowed a 23% discount on an article and was still able to manage a 44% profit. Find the ratio of the cost price to the listed price.

A. 77 : 144



B. 78 : 151

C. 76 : 146

D. 74 : 149

Q30 Mathematics

For 5 innings, a cricketer has an average of 80 runs. In the 6th inning, he scores 194 runs. His average score increased by _____.

A. 21

B. 29

C. 26

D. 19

**Q31 Mathematics**

Reena is 5 years older than Meena. Eight years ago from now, Reena's age was twice the age of Meena. Find the present age of Reena.

A. 18 years



B. 21 years

C. 32 years

D. 26 years

Q32 Mathematics

A shopkeeper declares the following three schemes of discounts. Which scheme is the most beneficial to a customer?

A. Buy 42 items and get 47 of the same items

B. Two successive discounts of 16% and 36%

C. Two successive equal discounts of 46%

A. C and B both

B. Only A

C. Only B

D. Only C

**Q33 Mathematics**

A water tank can be filled in 13 minutes using 46 identical pipes. How long (in minutes) will it take to fill the same tank if only 27 such pipes are used? (Round off the answer to two decimal places.)

A. 20.82

B. 22.15



C. 15.63

D. 13.33

Q34 Mathematics

The price of fuel decreases by 10%, 45% and 55% in three successive months, but increases by 55% in the fourth month. What is the percentage increase/decrease in the price of fuel in the fourth month as compared to its original price? (Round off the answer to two decimal places.)

A. Increases by 70.18%

B. Increases by 63.38%

C. Decreases by 65.47%



D. Decreases by 64.94%



Q35 Mathematics

A train travels at 84.6 km/hr. How many metres will it travel in 20 minutes?

- A. 26,400
- B. 28,200
- C. 26,200
- D. 24,600

**Q36 Mathematics**

Radha has ₹10 and ₹5 coins. She has a total of 15 coins worth ₹85. How many coins of ₹5 does she have?

- A. 8
- B. 5
- C. 13
- D. 7

**Q37 Mathematics**

In quadrilateral PQRS, the bisectors of $\angle R$ and $\angle S$ meet at the point T (inside the quadrilateral) and $\angle STR = 18^\circ$. If the ratio of $\angle P$ to $\angle Q$ is 2 : 7, then what is the difference between the measures of $\angle Q$ and $\angle P$?

- A. 20°
- B. 16°
- C. 17°
- D. 13°

**Q38 Mathematics**

A shopkeeper buys 20 pens for a total of ₹200. He sells each pen for ₹12. What is his total profit?

- A. ₹60
- B. ₹20
- C. ₹40
- D. ₹30

**Q39 Mathematics**

In an election, the winner gets 80% of the total valid votes. If 18% are invalid votes out of 2,00,000 votes, then the votes polled in favour of the winner are:

- A. 1,13,200
- B. 1,21,300
- C. 1,32,100
- D. 1,31,200

**Q40 Mathematics**

Raj's monthly income is ₹50,000. He spends 40% of his income on household expenses and saves the remaining amount. If his income increases by 10%, and his expenditure on household expenses remains the same percentage of his income, calculate the amount (in ₹) he saves after the increment.

- A. 33,000
- B. 33,500
- C. 31,500
- D. 31,000

**Q41 Mathematics**

The length of a rectangular field is $(2x + y^2)$ m and breadth is $(2x - y^2)$ m. Find the area of the rectangular field when $x = 2$ and $y = 1$.

- A. 29 m²
- B. 26 m²
- C. 12 m²
- D. 15 m²

**Q42 Mathematics**

A total profit of ₹13,800 is to be distributed amongst A, B and C such that $A : B = 20 : 2$ and $B : C = 1 : 4$. The share (in ₹) of B in the profit is:

- A. 820
- B. 920
- C. 870
- D. 1,070

**Q43 Mathematics**

The average age of 23 students of a class is 41 years. If the age of the teacher is also included, the average age of the whole group becomes 42 years. The age (in years) of the teacher is:

- A. 66
- B. 64
- C. 62
- D. 65



Q44 Mathematics

A camp has provisions for 20 pupils for 13 days. In how many days will the same provisions be used up, if the strength of the camp is increased to 65 pupils?

A. 3

B. 7

C. 5

D. 4

Q45 Mathematics

Find the HCF of the numbers 4220, 5440 and 6880.

A. 20

B. 80

C. 60

D. 40

Q46 Mathematics

In triangle XYZ, sides $XY = 12$ cm, $YZ = 15$ cm and angle $\angle Y = 120^\circ$. What is the length of side XZ?

A. $5\sqrt{61}$ cmB. $\sqrt{61}$ cmC. $3\sqrt{61}$ cmD. $7\sqrt{61}$ cm**Q47 Mathematics**

A cylindrical pillar has a diameter of 10 cm and a height of 35 cm. The curved surface is to be painted at a cost of ₹12/cm². If a 10% discount is offered on the total painting cost, how much will be paid? (Use $\pi = \frac{22}{7}$)

A. ₹11,770

B. ₹11,550

C. ₹11,880

D. ₹11,660

Q48 Mathematics

Evaluate: $(5^{\frac{1}{4}}) \times (125^{0.25})$

A. 5

B. $5\sqrt{5}$

C. 25

D. $\sqrt{5}$ **Q49 Mathematics**

The curved surface area of a cylinder is 55.44 m², which is two-thirds of its total surface area.

Find the volume of the cylinder correct to two decimal places (use $\pi = \frac{22}{7}$).

A. 58.21 m³B. 47.65 m³C. 36.35 m³D. 28.31 m³

Q50 Mathematics

Walking at $\frac{3}{4}$ of his normal speed from his home, Abhishek is 30 minutes late in reaching his office. The usual time taken by him to cover the distance between his home and his office is:

- A. 85 minutes
- B. 91 minutes
- C. 90 minutes
- D. 93 minutes

**General Intelligence & Reasoning**

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All helmets are mats.
All helmets are bottles.

Conclusions:

(I): Some mats are bottles.
(II): All bottles are helmets.

- A. Neither conclusion (I) nor (II) follows
- B. Only conclusion (I) follows
- C. Only conclusion (II) follows
- D. Both conclusions (I) and (II) follow

**Q52 General Intelligence & Reasoning**

Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) 6 © % © 7 # 5 % 5 4 2 # © 5 6 2 © \$ € 1 € 8 (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a number?

- A. 8
- B. 9
- C. 3
- D. 4

**Q53 General Intelligence & Reasoning**

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

AQE3, DOH6, GMK9, ?

- A. JKM10
- B. JKN12
- C. KLN12
- D. KLM10

**Q54 General Intelligence & Reasoning**

In a certain code language,
A x B means 'A is the father of B',
A – B means 'A is the mother of B',
A ÷ B means 'A is the son of B' and
A + B means 'A is the brother of B'.

How is K related to Q if 'K x M – N + P ÷ Q'?

- A. Wife's father
- B. Mother's father
- C. Daughter's son
- D. Wife's brother



Q55 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 3 4 4 9 8 8 6 8 4 2 1 1 8 5 9 8 5 7 1 8 6 2 7 2 9 2 6
(Right)

How many such odd numbers are there, each of which is immediately preceded by an even number and also immediately followed by an even number?

A. 2

B. 4

C. 5

D. 3

Q56 General Intelligence & Reasoning

In a certain code language, DTWG is coded as 42 and RAYI is coded as 43. What is the code for OZES in that language?

A. 31

B. 35

C. 28

D. 37

Q57 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. CF-JE

B. GJ-NI

C. EH-LG

D. AD-HB

Q58 General Intelligence & Reasoning

Prayansh starts from point A and drives 34 km towards the north. He then takes a left turn, drives 41 km, turns left and drives 56 km. He then takes a left turn and drives 63 km. He takes a final left turn, drives 22 km and stops at point P. How far (shortest distance) and towards which direction should he drive in order to reach point A again? (All turns are 90-degree turns only, unless specified.)

A. 22 km to the west

B. 20 km to the east

C. 23 km to the west

D. 21 km to the east

Q59 General Intelligence & Reasoning

EIJL is related to JNON in a certain way based on the English alphabetical order. In the same way, PTUT is related to UYZY. To which of the given options is IMNM related, following the same logic?

A. NRSR

B. NSRY

C. NRRR

D. NQRR

Q60 General Intelligence & Reasoning

A, B, C, D, E and F are sitting around a circular table facing the centre. D sits third to the right of C. A sits second to the left of C. E sits second to the right of F. B sits to the immediate right of E. How many people sit between A and F when counted from the left of A?

A. One

B. None

C. Four

D. Two

Q61 General Intelligence & Reasoning

In a row of 50 people facing north, Amit sits 17th from the left end. If only 18 people sit to the right of Vilas, then how many people sit between Amit and Vilas?

A. 14

B. 15

C. 16

D. 12

Q62 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All mangoes are artists.
All kiwis are mangoes.

Conclusions:

(I): All kiwis are artists
(II): Some artists are kiwis

A. Only conclusion (II) follows

B. Only conclusion (I) follows

C. Neither conclusion (I) nor (II) follows

D. Both conclusions (I) and (II) follow



Q63 General Intelligence & Reasoning

LHIG is related to DZAY in a certain way based on the English alphabetical order. In the same way, XTUS is related to PLMK. To which of the following is NJKI related, following the same logic?

A. FABA

B. FBBA

C. FBBCA



D. FCBK

Q64 General Intelligence & Reasoning

Eight people (P, Q, R, S, T, U, V and W) are sitting around a circular table, facing towards the centre. There are exactly three people sitting between U and V. P is an immediate neighbour of both T and Q. Q sits to the immediate right of U. W is an immediate neighbour of both R and S. R sits second to the right of T. How many people sit between W and Q, when counted from the right of W?

A. 2



B. 1

C. 4

D. 3

Q65 General Intelligence & Reasoning

If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 63157842, how many digits will appear more than once in the new number thus formed?

A. 1

B. 2

C. 4

D. 3

**Q66 General Intelligence & Reasoning**

If '+' means '-', '-' means 'x', 'x' means '÷' and '÷' means '+', then what will come in place of the question mark (?) in the following equation?

$$16 \times 4 + 3 - 4 \div 8 = ?$$

A. 13

B. 0



C. 4

D. 8

Q67 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets. (NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting / multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(17, 25, 59)

(5, 13, 35)

A. (11, 19, 48)

B. (15, 7, 23)

C. (13, 21, 51)



D. (9, 17, 25)

Q68 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

COP20 , WIJ27 , QCD34 , KWX41 , ?

A. EQR48



B. EQP48

C. EOR48

D. ELR48

Q69 General Intelligence & Reasoning

In a certain code language, 'HAVE' is coded as '4579' and 'VOLT' is coded as '2438'. What is the code for 'V' in the given code language?

A. 2

B. 4



C. 8

D. 7



Q70 General Intelligence & Reasoning

Seven people, A, B, C, D, E, F and G, are sitting in a straight line, facing the north.

A sits second from one of the extreme ends of the line.

Only two people sit between A and B. C sits second to the right of B. Only three people sit between C and D. F sits second to the left of D. E sits at one of the positions to the right of G.

How many people sit between A and G?

A. Three

B. One



C. Two

D. None

Q71 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. KF – MK

B. BG – EL



C. SZ – UE

D. OP – QU

Q72 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only).

(Left) 4 6 5 6 3 2 8 3 3 5 2 8 5 2 4 8 1 4 1 3 5 5 9 9 3 9 6

(Right)

How many such odd numbers are there (from left to right), each of which is immediately preceded by an even number and also immediately followed by an even number?

A. 6

B. 5

C. 4



D. 3

Q73 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

1101 1104 1108 1113 1119 ?

A. 1123

B. 1125

C. 1124

D. 1126

**Q74 General Intelligence & Reasoning**

If 1 is added to each even digit and 2 is subtracted from each odd digit in the number 4593867, which of the following digits will be second from the left in the new number thus formed?

A. 5

B. 9

C. 3



D. 8

Q75 General Intelligence & Reasoning

Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

NF-KC-HJ

LD-IA-FH

A. SL-QI-NO

B. SL-RI-NO

C. TL-QI-NP



D. TL-QI-NO

Q76 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

28 39 52 67 84 ?

A. 102

B. 105

C. 103



D. 104



Q77 General Intelligence & Reasoning

Sachin ran 15 metres east from the starting point A. He then took a left turn and ran 25 metres, after which he took a right turn and ran another 5 metres. He took one last right turn and ran 25 metres until he reached point B. How far and in which direction should he run in order to reach point A? (All turns are 90-degree turns only, unless specified.)

- A. 22 metres towards the west
- B. 25 metres towards the east
- C. 20 metres towards the west ✓
- D. 20 metres towards the east

Q78 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

102 80 58 36 14 ?

- A. 0
- B. -8 ✓
- C. -6
- D. -4

Q79 General Intelligence & Reasoning

In a row of all 95 students facing the north, Mr. Hepa is 9th from the right end. If Mr. Annu is 13th to the left of Mr. Hepa, what is Mr. Annu's position from the left end of the row?

- A. 73rd
- B. 74th ✓
- C. 76th
- D. 75th

Q80 General Intelligence & Reasoning

Refer to the following series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 4 3 3 5 3 9 5 4 4 3 8 7 9 8 8 1 1 3 2 5 9 1 8 7 1 5 6
(Right)

How many such even numbers are there each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- A. 5
- B. 3 ✓
- C. 2
- D. 4

General Awareness

20 Questions • Answer Key

Q81 General Awareness

In November 2024, the Indian Space Research Organisation (ISRO) launched India's inaugural analog space mission at _____ with an aim to simulate interplanetary habitat conditions and helping scientists explore the feasibility of establishing a sustainable base station beyond Earth.

- A. Leh ✓
- B. Chandipur
- C. Pokhran
- D. Tawang

Q82 General Awareness

Which two companies signed a Joint Venture Cooperation Agreement (JVCA) for the production of HAMMER smart precision guided Air-to-Ground weapons in India in November 2025?

- A. Hindustan Aeronautics Limited (HAL) & Lockheed Martin Corporation
- B. Bharat Dynamics Limited (BDL) & Thales Group
- C. Bharat Electronics Limited (BEL) & Safran Electronics and Defence (SED) ✓
- D. Larsen & Toubro (L&T) & Raytheon Technologies Corporation

Q83 General Awareness

In January 2025, Chief Minister Conrad K Sangma inaugurated the 6th Meghalaya Games at which venue in Jowai?

- A. Tura Indoor Stadium
- B. Shillong Sports Complex
- C. Wahiajer Multi Sports Complex Stadium ✓
- D. Jawaharlal Nehru Stadium



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Q84 General Awareness

Dr. C Anandharamakrishnan received the Rashtriya Vigyan Puraskar 2024 in the Vigyan Shri category for his contribution to the field of _____.

A. Agricultural Science



B. Atomic Energy

C. Biological Science

D. Medicine

Q85 General Awareness

'Sanghatil Manavi Vyavasthapan' offering RSS insights, was authored by which politician published in May 2025?

A. Nitin Gadkari



B. Shashi Tharoor

C. Yogi Adityanath

D. Amit Shah

Q86 General Awareness

Which new private reinsurer entered the Indian market in March 2025?

A. General Re

B. Falcon Re

C. Valueattics Reinsurance



D. ABC Reinsurance

Q87 General Awareness

Who was named Sportsperson of the Year with a Disability at the 2025 Laureus Awards?

A. Sophie Pascoe

B. Jiang Yuyan



C. Liu Yaxin

D. Ellie Simmonds

Q88 General Awareness

The International Monetary Fund (IMF) sanctioned \$2.3bn fund to which of the following countries in May 2025?

A. Pakistan



B. Syria

C. Ukraine

D. Sri Lanka

Q89 General Awareness

The annual elephant rejuvenation camp held in September 2025 was conducted in which of the following tiger reserves of Madhya Pradesh?

A. Satpura Tiger Reserve

B. Sanjay Tiger Reserve

C. Bandhavgarh Tiger Reserve



D. Kanha Tiger Reserve

Q90 General Awareness

In March 2025, the government of which of the following states announced to bring 5,000 hectares under afforestation during the year 2025-2026?

A. Kerala

B. Odisha

C. West Bengal

D. Himachal Pradesh

**Q91 General Awareness**

Which of the following commands participated in the successful combat launch of the BrahMos Supersonic Cruise Missile by the Indian Army in December 2025 from a test range in the Bay of Bengal?

A. Eastern Command

B. Northern Command

C. Southern Command



D. Western Command

Q92 General Awareness

Which of the following measures did the Delhi government and IIT Kanpur attempt in October 2025 to clear smog that eventually proved unsuccessful due to low atmospheric moisture?

A. Cloud-seeding to induce artificial rain



B. Imposing a city-wide vehicle ban

C. Restricting industrial operations for one week

D. Deploying large-scale air purifiers in all public parks

Q93 General Awareness

Which international agency raised concerns leading to amendments in India's anti-doping law in July 2025?

A. World Anti-Doping Agency (WADA)



B. International Olympic Committee (IOC)

C. United Nations Educational, Scientific and Cultural Organization (UNESCO)

D. World Health Organization (WHO)



Q94 General Awareness

Who was sworn in as the Chief Minister of Delhi following the 2025 elections?

- A. Arvind Kejriwal
- B. Atishi Marlena
- C. Rekha Gupta
- D. Manish Sisodia

Q95 General Awareness

According to the IMF World Economic Outlook, 2025, which of the following countries is projected to have the highest GDP growth among major economies?

- A. China
- B. The United States of America
- C. India
- D. Japan

Q96 General Awareness

Which veteran actor and dancer, noted for her appearances in films like 'Navrang' and 'Pinjra', passed away in October 2025?

- A. Jyoti Chanderkar
- B. Sandhya Shantaram
- C. Sulakshana Pandit
- D. Madhumati

Q97 General Awareness

Which city hosted the Kho Kho World Cup from 13 to 19 January 2025?

- A. Chennai
- B. New Delhi
- C. Mumbai
- D. Kolkata

Q98 General Awareness

In which of the following states was the Skill Development Centre inaugurated under the 'Pradhan Mantri Jan Vikas Karyakram' scheme in July 2025?

- A. Kerala
- B. Maharashtra
- C. Punjab
- D. Gujarat

Q99 General Awareness

With which of the following government bodies, did the Reserve Bank of India (RBI) collaborate in June 2025 to curb spam loan and credit-card calls?

- A. Telecom Regulatory Authority of India (TRAI)
- B. Unique Identification Authority of India (UIDAI)
- C. Central Bureau of Investigation (CBI)
- D. Securities and Exchange Board of India (SEBI)

Q100 General Awareness

South Africa ended a 27-year wait for a major cricket title by winning which tournament?

- A. ICC T20 World Cup
- B. ICC Cricket World Cup
- C. World Test Championship
- D. Champions Trophy



General Science

25 Questions • Answer Key

Q1 General Science

Which of the following is an INCORRECT statement about the endoplasmic reticulum?

- A. The endoplasmic reticulum helps in the transport of materials within the cell, especially between the cytoplasm and the nucleus.
- B. The endoplasmic reticulum stores genetic material in it. ✓
- C. The rough endoplasmic reticulum (RER) has ribosomes attached to its surface, which help in protein synthesis.
- D. The smooth endoplasmic reticulum (SER) is involved in the synthesis of lipids (fat molecules).

Q2 General Science

Who sacrificed her life along with 363 others in 1731 to protect the Khejri trees in Rajasthan?

- A. Amrita Devi Bishnoi ✓
- B. Medha Patkar
- C. Sunita Narain
- D. Vandana Shiva

Q3 General Science

Which of the following examples represents motion along a straight line?

- A. A pendulum swinging
- B. A child running around a park
- C. A train moving on a straight track ✓
- D. A fan blade rotating

Q4 General Science

On mixing sodium bicarbonate with dil. HCl, sodium chloride is formed and a gas is evolved. This gas when passed through lime water turns it milky. The evolved gas is:

- A. CO
- B. CO₂ ✓
- C. H₂
- D. Cl₂

Q5 General Science

A car is moving at a speed of 180 km/h. After the brakes are applied, it comes to a complete stop in 5 seconds. If the total mass of the car along with its passengers is 4200 kg, what is the force applied by the brakes to stop the car?

- A. -15,120 N
- B. -50,000 N
- C. -42,000 N ✓
- D. -36,000 N

Q6 General Science

Which phenomenon, successfully explained by the universal law of gravitation, relies on the combined and differential gravitational attraction exerted by both the moon and the sun on the earth?

- A. The occurrence of ocean tides ✓
- B. The decrease in the value of g from poles to equator
- C. The motion of planets around the Sun
- D. The centripetal force keeping the stone in a circular path

Q7 General Science

A man's pitch is ____ than child's pitch.

- A. same
- B. higher
- C. sometimes higher and sometimes lower
- D. lower ✓

Q8 General Science

How are metals like gold and silver, which are low in reactivity, extracted?

- A. By displacement reaction
- B. By simple heating or chemical methods ✓
- C. By electrolytic reduction
- D. By reacting with acids



Q9 General Science

What is the correct sequence of steps followed in extracting metals like zinc from their sulphide or carbonate ores?

- A. Electrolysis → Roasting → Purification
- B. Dissolution in acid → Filtration → Heating
- C. Roasting or calcination → Reduction to metal → Purification ✓
- D. Direct heating → Purification

Q10 General Science

Applying pressure to a gas causes:

- A. Volume to increase
- B. Particles to come closer ✓
- C. Particles to move faster
- D. Temperature to decrease

Q11 General Science

When BaCl_2 reacts with Na_2SO_4 , the white precipitate is:

- A. Sodium chloride which crystallises
- B. Sodium carbonate which is insoluble
- C. Barium nitrate which is basic
- D. Barium sulphate which is insoluble ✓

Q12 General Science

Which of the following is the main function of skeletal muscles in a human body?

- A. Circulation
- B. Respiration
- C. Excretion
- D. Movement in our body ✓

Q13 General Science

What is the main purpose of creating DNA copies during reproduction?

- A. To make organisms immune to diseases
- B. To change the structure of cells
- C. To pass genetic information to offspring ✓
- D. To produce identical twins

Q14 General Science

Which of the following does NOT occur with an increase in temperature?

- A. Change in state of matter
- B. Decrease in inter-particle space ✓
- C. Increase in kinetic energy
- D. Increase in particle movement

Q15 General Science

During the electrolysis of brine, which of the following correctly matches the products formed at each electrode and in the solution?

- A. Anode – NaOH, Cathode – Cl_2 , Solution – H_2
- B. Anode – Cl_2 , Cathode – H_2 , Solution – NaOH ✓
- C. Anode – Cl_2 , Cathode – NaOH, Solution – H_2
- D. Anode – H_2 , Cathode – Cl_2 , Solution – NaOH

Q16 General Science

If magnification is positive, the image formed is:

- A. on the screen
- B. real
- C. virtual and erect ✓
- D. inverted

Q17 General Science

Which of the following best differentiates a mixture from a compound?

- A. Mixtures can be separated by physical methods, while compounds require chemical methods. ✓
- B. Compounds are heterogeneous in nature, while mixtures are always homogeneous.
- C. Mixtures always have a fixed boiling point.
- D. Compounds retain the individual properties of their components.

Q18 General Science

Which of the following is NOT true about binary fission?

- A. It occurs in unicellular organisms
- B. It leads to population increase
- C. It needs two parents ✓
- D. It is fast and efficient



Q19 General Science

Which part of a neuron carries the nerve impulse away from the cell body?

A. Axon



B. Dendrite

C. Synapse

D. Nucleus

Q20 General Science

Magnetic field is a quantity that has _____.

A. only direction

B. both magnitude and direction



C. neither magnitude nor direction

D. only magnitude

Q21 General Science

Which law did Mendel derive from his monohybrid cross?

A. Law of Segregation



B. Law of Constant Proportion

C. Law of Evolution

D. Law of Independent Assortment

Q22 General Science

The Work-Energy theorem states that the total work done on an object is equal to:

A. Change in the static energy of the body

B. Change in the kinetic energy of the body



C. Change in the potential energy of the body

D. Change in the work and energy of the body

Q23 General Science

Growing of two or more crops simultaneously on the same field is called _____.

A. Mono-cropping

B. Mixed cropping



C. Inter-cropping

D. Intra-cropping

Q24 General Science

At what minimum distance should an object be held from the eyes for clear and comfortable viewing?

A. 25 m

B. 25 cm



C. 250 cm

D. 50 cm

Q25 General Science

Which of the following is the correct unit of resistivity of a material?

A. ohm

B. ohm-meter



C. ohm/meter

D. meter/ohm

Mathematics

25 Questions • Answer Key

Q26 Mathematics

Two trains are running along parallel tracks towards each other at speeds of 40 km/h and 60 km/h, respectively. If the length of each train is 125 metres, then how much time will they take to cross each other?

A. 9 seconds



B. 7 seconds

C. 12 seconds

D. 5 seconds

Q27 Mathematics

A salesman marks his goods 5% above the cost price and gives a discount of 40% on them. Find his loss percentage.

A. 35%

B. 34%

C. 37%



D. 36%



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Q28 Mathematics

A person is 3 times as old as their sibling. If the sum of their ages is 40 years, then how old is the person?

- A. 40 years
- B. 10 years
- C. 20 years
- D. 30 years

**Q29 Mathematics**

If 20% of a number is added to 60, then the result is the same number. 75% of the same number is:

- A. 86.25
- B. 56.25
- C. 76.25
- D. 66.25

**Q30 Mathematics**

If Sonali's salary first decreased by 25% and then increased by 12%, what is the percentage effect on her salary?

- A. Increases by 16%
- B. Decreases by 12%
- C. Increases by 12%
- D. Decreases by 16%

**Q31 Mathematics**

The marked price of a painting was ₹7,500, but the shopkeeper offered a double discount in a successive manner of 14% and 28%. Ultimately for how much did he sell the item?

- A. ₹4,610
- B. ₹4,490
- C. ₹4,644
- D. ₹4,674

**Q32 Mathematics**

The market prices of jowar and gram are in the ratio 1 : 3, and a family consumes them in the ratio 5 : 11 by quantity. Find the ratio of expenditure on jowar to that on gram.

- A. 9 : 35
- B. 5 : 33
- C. 6 : 34
- D. 7 : 34

**Q33 Mathematics**

A water tank has two inlet pipes (A and B) and one outlet pipe (C). Pipe A can fill the tank in 4 hours, Pipe B can fill the tank in 6 hours, and Pipe C can empty the tank in 8 hours. If all three pipes are opened for the first 3 hours and then Pipe C is closed, how much total time is required to fill the tank?

- A. 5 hours 15 minutes
- B. 3 hours 18 minutes
- C. 4 hours 15 minutes
- D. 4 hours 18 minutes

**Q34 Mathematics**

A person walked from his house to the market at the rate of 5 km/hr and walked back to his house at the rate of 4 km/hr. The whole journey took 4 hours 30 minutes. Find the distance (in km) from his house to the market.

- A. 15
- B. 20
- C. 25
- D. 10

**Q35 Mathematics**

The expenditure of Sudha is 150% more than her savings. If her expenditure decreases by 12% and savings increase by 37%, then by what percentage does her income increase?

- A. 3%
- B. 5%
- C. 7%
- D. 2%

**Q36 Mathematics**

One pipe can fill a tank in 7 minutes, while another pipe can empty the completely filled tank in 14 minutes. If both the pipes are opened together when the tank is empty, how many minutes will it take to fill one-half of the tank?

- A. 8
- B. 7
- C. 15
- D. 14



Q37 Mathematics

If a father is 30 years older than his son, and his age is currently five times that of his son, how old is the son?

- A. 15 years
- B. 5 years
- C. 10 years
- D. 7.5 years

**Q38 Mathematics**

The average of 7 numbers is 25. If each number is decreased by 3, what will the new average be?

- A. 22
- B. 25
- C. 19
- D. 7

**Q39 Mathematics**

A person buys a machine for ₹20,000, and spends ₹2,000 on its repair and ₹3,000 on transportation. He sells it for ₹30,000. What is the profit percentage?

- A. 20%
- B. 35%
- C. 25%
- D. 30%

**Q40 Mathematics**

The average age of 32 students of a class is 21 years. If the age of the teacher is also included, the average age of the whole group becomes 22 years. The age (in years) of the teacher is:

- A. 54
- B. 57
- C. 52
- D. 59

**Q45 Mathematics**

Due to an earthquake, a pole broke and its top now touches the ground at a distance of 25 m from the foot of the pole making an angle of 45° with the ground. Find the length of the pole before the earthquake.

- A. $50\sqrt{2}$ m
- B. $25\sqrt{2}$ m
- C. $50(\sqrt{2} + 1)$ m
- D. $25(\sqrt{2} + 1)$ m

**Q41 Mathematics**

If the radius of a sphere is 35 cm, then its surface area is:

- A. $2500 \pi \text{ cm}^2$
- B. $4900 \pi \text{ cm}^2$
- C. $2400 \pi \text{ cm}^2$
- D. $2450 \pi \text{ cm}^2$

**Q42 Mathematics**

The sum of the first 17 prime numbers is:

- A. 439
- B. 441
- C. 440
- D. 436

**Q43 Mathematics**

In $\triangle ABC$, $BD \perp AC$ at D and $\angle DBC = 33^\circ$. E is a point on BC such that $\angle CAE = 45^\circ$. What is the measure of $\angle AEB$?

- A. 93°
- B. 89°
- C. 102°
- D. 95°

**Q44 Mathematics**

The amount on a sum of ₹6,500 at 10% per annum compound interest, compounded annually, in 2 years will be:

- A. ₹8,207
- B. ₹8,309
- C. ₹7,865
- D. ₹7,895



Q46 Mathematics

If the volume of a cylindrical vessel is 21.560 litres. If the radius of the base of the cylinder is two – fifth times of its height, find the total surface area of the cylinder (in cm^2). (Take $\pi = \frac{22}{7}$)

A. 4312



B. 4324

C. 4345

D. 4352

Q47 Mathematics

A machine produces two types of widgets. The number of widgets produced per day of Type A is a, and of Type B is b. If $a + b = 50$ and $a^2 + b^2 = 1300$, then find the product of the number of widgets produced per day of the two types.

A. 650

B. 700

C. 600



D. 500

Q48 Mathematics

Three numbers are in the ratio $\frac{1}{5} : \frac{9}{18} : \frac{11}{16}$. The difference between the greatest and the smallest numbers is 78. Find the largest number.

A. 108

B. 110



C. 109

D. 111

Q49 Mathematics

Evaluate: $16 \times 2^5 \times 8 \div \left(\frac{1}{2}\right)^3$

A. 2^9

B. 2^{15}



C. 2^{13}

D. 2^{20}



Q50 Mathematics

$$5\frac{1}{2} - \left[2\frac{1}{3} \div \left\{ \frac{3}{4} - \frac{1}{2} \times \frac{8}{3} \right\} \right]$$

A. 9

B. $\frac{3}{2}$ C. $\frac{21}{2}$ D. $\frac{19}{2}$ ✓**General Intelligence & Reasoning**

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

Which of the given letter-number clusters will replace the question mark (?) in the following series to make it logically complete?

XBF 84 IMQ 92 TXB 100 EIM 108 ?

A. PTX 116 ✓

B. PUW 116

C. PRU 115

D. PSW 115

Q52 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

3 11 21 29 39 ?

A. 47 ✓

B. 51

C. 49

D. 45

Q53 General Intelligence & Reasoning

If + means -, - means ×, × means ÷ and ÷ means +, then what will come in place of the question mark (?) in the following equation?

73 - 15 ÷ 98 + 506 × 23 = ?

A. 1195

B. 1171 ✓

C. 1153

D. 1186

Q54 General Intelligence & Reasoning

Kavya walks 100 metres north, turns right and walks 40 metres. Again, she turns right and walks 30 metres. She turns right again and walks 40 metres. How far is she from her original position?

A. 200 metres

B. 70 metres ✓

C. 10 metres

D. 100 metres

Q55 General Intelligence & Reasoning

In a certain code language, 'true friends stay' is coded as 'eg nu ko' and 'stay close always' is coded as 'bs eg xv'. How is 'stay' coded in the given language?

A. eg ✓

B. nu

C. bs

D. ko

Q56 General Intelligence & Reasoning

Refer to the given series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 6 4 7 8 5 2 9 5 5 2 2 4 9 8 7 2 3 7 9 5 6 (Right)

How many such odd digits are there, each of which is immediately preceded by an even digit and also immediately followed by an even digit?

A. 2

B. 3

C. 4 ✓

D. 1



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Q57 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(5, 12, 28)

(8, 15, 34)

A. (23, 30, 64)



B. (21, 14, 32)

C. (7, 14, 24)

D. (19, 12, 28)

Q58 General Intelligence & Reasoning

This question is based on the five, three-digit numbers given below.

(Left) 937, 228, 782, 175, 631 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

Note: All operations to be done from left to right.

What will be the resultant if the third digit of the highest number is added to the second digit of the lowest number?

A. 14



B. 15

C. 12

D. 10

Q59 General Intelligence & Reasoning

GIMJ is related to LNRO in a certain way based on the English alphabetical order. In the same way, QSWT is related to VXBY. To which of the given options is TVZW related, following the same logic?

A. YZDB

B. YADB

C. YAEB



D. YBDJ

Q60 General Intelligence & Reasoning

Refer to the given series and answer the question that follows. (All numbers are single digit numbers only.) Counting to be done from left to right only.

(Left) 9 6 9 4 7 8 9 9 1 6 7 3 6 5 9 7 4 7 1 7 7 8 3 4 6 9 3
(Right)

How many such even numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

A. 0

B. 2

C. 3

D. 1

**Q61 General Intelligence & Reasoning**

If 2 is added to each even digit and 3 is subtracted from each odd digit in the number 2436795, what will be the sum of the greatest and smallest digits in the new number thus formed?

A. 12

B. 8



C. 10

D. 6

Q62 General Intelligence & Reasoning

In a row of 97 students facing north, Z is 61st from the right end. If G is 28th to the left of Z, what is G's position from the left end of the line?

A. 9th



B. 10th

C. 7th

D. 8th

Q63 General Intelligence & Reasoning

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

PLI-MIF

VRO-SOL

A. FAW-CYV

B. FBY-CYV



C. FAW-BXU

D. FBY-BYU



Q64 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

256, 128, 64, 32, 16, ?

A. 4

B. 6

C. 10

D. 8

**Q65 General Intelligence & Reasoning**

This question is based on the five, three-digit numbers given below.

(Left) 567 862 426 326 749 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

If 2 is added to the second digit of every number, in how many numbers will the second digit be exactly divisible by the third digit?

A. Four

B. Two

C. One



D. Three

Q66 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some rails are cars.
No car is a bus.

Conclusions:

(I) Some rails are buses.
(II) Some cars are rails.

A. Only conclusion (II) follows



B. Neither conclusion (I) nor (II) follows

C. Both conclusions (I) and (II) follow

D. Only conclusion (I) follows

Q67 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. LM–MQ



B. NO–PQ

C. XY–ZA

D. QR–ST

Q68 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

NFU SJZ XNE CRJ ?

A. GVP

B. IWO

C. HVO



D. GUN

Q69 General Intelligence & Reasoning

Five people, A, B, C, D and E, are sitting in a row, facing the north.

A sits fourth from the right end of the row. Only one person sits between B and D. D is not an immediate neighbour of A.

How many people sit between A and D?

A. 2



B. 1

C. 0

D. 3

Q70 General Intelligence & Reasoning

What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$43 \div 17 + 425 \times 5 - 65 = ?$

A. 709

B. 729

C. 711



D. 745



Q71 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All wheels are cars.
All cars are trucks.

Conclusions:

- (I) Some trucks are cars.
(II) All wheels are trucks.

- A. Only conclusion (I) follows
B. Only conclusion (II) follows
C. Both conclusions (I) and (II) follow
D. Neither conclusion (I) nor (II) follows

Q72 General Intelligence & Reasoning

Six friends, G, H, I, Q, R and S, are sitting around a circular table facing the centre of the table. I sits to the immediate right of S. Only three people sit between I and Q when counted from the left of I. R sits to the immediate right of H. How many people sit between G and H when counted from the left of H?

- A. Four
B. One
C. Two
D. Three

Q73 General Intelligence & Reasoning

In a certain code language,

'A + B' means 'A is the son of B',
'A # B' means 'A is the sister of B',
'A x B' means 'A is the wife of B' and
'A @ B' means 'A is the father of B'.

How is L related to R if 'L + O # V x E @ R'?

- A. Sister's son
B. Mother's sister's son
C. Sister's husband
D. Mother's sister's husband

Q74 General Intelligence & Reasoning

In a certain code language, 'pig peak salad' is coded as 'aq ym lq' and 'lemon salad grape' is coded as 'wq cv ym'. How is 'salad' coded in that language?

- A. ym
B. wq
C. aq
D. lq

Q75 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

6 ? 12 36 144 720

- A. 10
B. 12
C. 6
D. 8

Q76 General Intelligence & Reasoning

A, B, C, D, N, O and P are sitting in a straight line, facing north.

No one sits to the right of B. Only three people sit between B and N. Only two people sit between N and C. A sits third to the left of D. O sits to the immediate right of D. How many people sit between P and C?

- A. Three
B. Two
C. One
D. Four

Q77 General Intelligence & Reasoning

All 104 people are standing in a row facing North. Mr. Zzz is 9th from the right end while Mr. Memi is 34th from the left end. How many people are there between Mr. Zzz and Mr. Memi?

- A. 61
B. 59
C. 62
D. 60



Q78 General Intelligence & Reasoning

Ishu starts from Point P and drives 8 km towards the west. Then she takes a right turn, drives 13 km, she turns right again and drives 15 km. She then takes a right turn and drives 5 km, turns right again and drives 7 km and stops at Point Q. How far (shortest distance) and towards which direction should she drive in order to reach Point P again? (All turns are 90-degree turns only unless specified.)

- A. 4 km towards the north
- B. 5 km towards the north
- C. 3 km towards the east
- D. 8 km towards the south

**Q79 General Intelligence & Reasoning**

BFIF is related to IMPM in a certain way based on the English alphabetical order. In the same way, PTWT is related to WADA. To which of the given options is CGJG related, following the same logic?

- A. JNQN
- B. JMPN
- C. JOPT
- D. JNPN

**Q80 General Intelligence & Reasoning**

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- A. NOJ
- B. SRM
- C. UVQ
- D. EFA

**General Awareness**

20 Questions • Answer Key

Q81 General Awareness

When was the International Day of Families observed in 2025?

- A. April 15
- B. July 11
- C. May 15
- D. June 1

**Q82 General Awareness**

In 2025, Saudi Arabia signed a major security agreement with which country to strengthen military cooperation amid regional tensions?

- A. Egypt
- B. Iran
- C. United Arab Emirates
- D. Pakistan

**Q83 General Awareness**

Which of the following government portal/initiative is specifically aimed at breaking language barriers by enabling Indian languages for digital services?

- A. IndiaStack
- B. DigiLocker
- C. UMANG
- D. BHASHINI

**Q84 General Awareness**

Which team won the 2025 UEFA-Champions League?

- A. Barcelona
- B. Bayern Munich
- C. Paris Saint-Germain
- D. Inter Milan



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Q85 General Awareness

In November 2025, the standing committee of the National Board for Wildlife approved a proposal to construct a Pinjoli bridge in which of the following wildlife sanctuaries?

- A. Dehing Patkai Wildlife Sanctuary
- B. Dzukou Valley Wildlife Sanctuary
- C. Sepahijala Wildlife Sanctuary
- D. Eaglenest Wildlife Sanctuary**

Q86 General Awareness

Accordinging to the Indian Government how many Khelo India State Centres of Excellence (KISCEs) were notified by the Government of India as of June 2025?

- A. 30
- B. 36
- C. 34**
- D. 32

Q87 General Awareness

In February 2025, the government notified the End-of-Life Vehicles (ELV) Rules, effective April 1. Which of the following statements is true with regards to ELV rules?

- A. Public sold salvaged vehicles are exempt.
- B. Producers must meet EPR targets using scrapping facilities.**
- C. All vehicles must be recycled regardless of age.
- D. Only imported vehicles are regulated.

Q88 General Awareness

The Monetary Policy Committee (MPC) held its 54th meeting from 7 to 9 April 2025 under whose Chairmanship?

- A. Shri Saugata Bhattacharya
- B. Shri Sanjay Malhotra**
- C. Shri Narendra Modi
- D. Smt. Nirmala Sitharaman

Q89 General Awareness

Who among the following participated in the Outreach Session of the G7 Summit in Canada in June 2025?

- A. Narendra Modi**
- B. Nirmala Sitharaman
- C. Droupadi Murmu
- D. Amit Shah

Q90 General Awareness

Which ace footballer and former Indian football team captain was selected for the Padma Shri honour in 2025?

- A. IM Vijayan**
- B. Sunil Chhetri
- C. Subrata Pal
- D. Bhaichung Bhutia

Q91 General Awareness

Which day in February 2025 was celebrated as the National Science Day in India?

- A. 4 February
- B. 28 February**
- C. 20 February
- D. 13 February

Q92 General Awareness

On 26 August 2025, a deadly landslide near which pilgrimage site in Reasi district, Jammu & Kashmir, killed dozens and triggered a high-level investigation?

- A. Hemkund Sahib
- B. Vaishno Devi**
- C. Amarnath Cave
- D. Shankaracharya Temple

Q93 General Awareness

Which regulatory provisions did the the Insurance Regulatory and Development Authority of India (IRDAI) reference while imposing the fine on Acko General Insurance for violations related to outsourcing and commissions in May 2025?

- A. Section 40(1) of Insurance Act**
- B. Section 45 of Banking Act
- C. Section 64V of Insurance Act
- D. Section 5 of IRDAI Act

Q94 General Awareness

When was the Regional Climate Centre Network Task Team Meeting held in India?

- A. May 2025
- B. April 2025
- C. June 2025**
- D. January 2025



Q95 General Awareness

Which Swedish athlete won the Laureus Sportsman of the Year 2025 for his world record-breaking performances in pole vault?

A. Jakob Ingebrigtsen

B. Karsten Warholm

C. Mondo Duplantis



D. Armand Traoré

Q96 General Awareness

What was the revised International Poverty Line (IPL) set by the World Bank for India in June 2025?

A. \$2.50/day

B. \$3.00/day



C. \$2.15/day

D. \$3.50/day

Q97 General Awareness

How many cities were covered under the National Clean Air Programme (NCAP) by June 2025 to combat air pollution?

A. 141

B. 131



C. 121

D. 111

Q98 General Awareness

On 28 October 2025, the Union Cabinet approved the Terms of Reference for which commission responsible for recommending salaries and retirement benefits for central government employees?

A. 8th Central Pay Commission



B. 5th Central Pay Commission

C. 7th Central Pay Commission

D. 6th Central Pay Commission

Q99 General Awareness

Which of the following Amendments came into effect from 1 November 2025, giving depositors the flexibility to make nominations in banks?

A. Banking Laws (Amendment) Act, 2025



B. Banking Laws (Amendment) Act, 2024

C. Banking Laws (Amendment) Act, 2026

D. Reserve Bank Laws (Amendment) Act, 2025

Q100 General Awareness

Who received the Vigyan Shri award in 2024 for his contributions to Agricultural Science?

A. Prof. Govindarajan Padmanabhan

B. Dr. Avesh Kumar Tyagi

C. Dr. Anandharamakrishnan C



D. Prof. Jayant Bhalchandra Udgaonkar



General Science

25 Questions • Answer Key

Q1 General Science

Which of the following is NOT a consequence of nutrient deficiency in plants?

- A. Low yield
- B. Affected reproduction
- C. Poor growth
- D. Increased resistance to diseases ✓

Q2 General Science

An electric iron having resistance (R) has a power (P) associated with it when current (I) flows through it on applying potential difference (V) across its ends. Which of the following relations is NOT correct?

- A. $P = V^2/R$
- B. $P = I^2R$
- C. $P = VI$
- D. $P = V/I$ ✓

Q3 General Science

In a redox displacement reaction, if element X loses electrons and element Y gains electrons, then:

- A. Both are reduced
- B. X is oxidised and Y is reduced ✓
- C. Both are oxidised
- D. X is reduced and Y is oxidised

Q4 General Science

Salt dissolves in water because:

- A. It melts at room temperature forming a liquid
- B. It has lower density than water and floats easily
- C. Water has space between particles for ions to enter ✓
- D. It evaporates quickly in water during mixing

Q5 General Science

Which of the following is an element?

- A. Air
- B. Sodium chloride
- C. Oxygen ✓
- D. Water

Q6 General Science

Which gas is evolved when a metal reacts with a dilute acid?

- A. Nitrogen
- B. Oxygen
- C. Hydrogen ✓
- D. Carbon dioxide

Q7 General Science

The refractive indices of water, glass and diamond are 1.33, 1.5, and 2.42, respectively. Light travels:

- A. the fastest in water medium ✓
- B. the fastest in glass medium
- C. at the same speed irrespective of the medium
- D. the fastest in diamond medium

Q8 General Science

When an acid reacts with a reactive metal, the products formed are:

- A. A metal oxide and nitrogen gas evolve
- B. An alkali and hydrogen peroxide form
- C. A salt and carbon dioxide gas form
- D. A salt and hydrogen gas are produced ✓

Q9 General Science

A satellite moves in a circular orbit of radius 42,250 km and completes one revolution in 24 hours. If a new satellite orbits at half this radius but maintains the same period, how does the speed (v_{new}) compare to the original speed (v_{orig})?

- A. $v_{\text{new}} = v_{\text{orig}}$
- B. $v_{\text{new}} = 2v_{\text{orig}}$
- C. $v_{\text{new}} = 4v_{\text{orig}}$
- D. $v_{\text{new}} = 0.5v_{\text{orig}}$ ✓



Q10 General Science

What was Mendel's contribution to genetics?

A. Laws of Inheritance



B. Inheritance of Acquired Traits

C. Theory of Evolution

D. Discovery of DNA

Q11 General Science

While cooking, steam escapes from a boiling pot and hits the cook's hand. Why does she pull away her hand before feeling the burn?

A. Her hand muscles detect the steam.

B. The spinal cord initiated a reflex action.



C. The heat evaporated quickly.

D. The brain delayed the response.

Q12 General Science

Which of the following is an allotrope of carbon with a cage-like structure?

A. Charcoal

B. Graphite

C. Diamond

D. Fullerene

**Q13 General Science**

During an experiment, a cell is damaged and its lysosomes burst, releasing digestive enzymes into the cytoplasm. What is most likely to happen next?

A. The cell will grow in size.

B. The nucleus will divide rapidly.

C. The cell will destroy itself and die.



D. The mitochondria will produce more energy.

Q14 General Science

The _____ is a dark, spherical structure in the cell, surrounded by a _____ membrane with pores for material exchange.

A. nucleoid; single

B. nucleus; double



C. nucleoid; double

D. vacuole; single

Q15 General Science

Which of the following correctly describes the graphical representation of Ohm's law?

A. A hyperbolic curve

B. An elliptical curve

C. A straight line parallel to x-axis

D. A straight line through the origin

**Q16 General Science**

Which of the following is INCORRECT?

A. Buoyant force is independent of fluid density.



B. Buoyant force is maximum for fully submerged body.

C. Buoyant force = weight of fluid displaced

D. Buoyant force acts upwards.

Q17 General Science

Which of the following is an example of a vibrating body producing sound?

A. A moving car

B. A pendulum swinging silently

C. A ringing tuning fork



D. A stationary fan

Q18 General Science

The outermost orbit can hold maximum how many electrons?

A. 2

B. 8



C. 16

D. 5

Q19 General Science

Work is said to be positive when _____.

A. no displacement occurs

B. force is perpendicular to the displacement

C. force and displacement are in the same direction



D. force and displacement are opposite



Q20 General Science

Which of the following best defines a heterogeneous mixture?

- A. A compound formed by the chemical combination of two or more elements.
- B. A mixture where components are uniformly distributed and indistinguishable.
- C. A mixture where components are not uniformly distributed and can be easily seen as separate. ✓
- D. A pure substance that cannot be broken down further by chemical means.

Q21 General Science

If the slope of a distance-time graph changes continuously, it indicates:

- A. stationary object
- B. instantaneous rest
- C. non-uniform speed ✓
- D. uniform speed

Q22 General Science

What occurs when a detached leaf of Bryophyllum comes into contact with moist soil?

- A. It decomposes.
- B. It shows a loss of chlorophyll.
- C. It absorbs water and grows larger.
- D. It produces new plantlets from notches on the leaf margin. ✓

Q23 General Science

In unicellular organisms, _____ is the method of reproduction.

- A. Fragmentation
- B. Rejuvenation
- C. Fission ✓
- D. Regeneration

Q24 General Science

Select the statement regarding cell organelles that is INCORRECT.

- A. They are membrane-bound structures.
- B. Each cell organelle performs a special function.
- C. They are found in Prokaryotic cells. ✓
- D. They are found in Eukaryotic cells.

Q25 General Science

What is the name of the effect seen when light is scattered by tiny particles in a colloidal solution?

- A. Tyndall Effect ✓
- B. Refraction
- C. Reflection
- D. Dispersion

Mathematics

25 Questions • Answer Key

Q26 Mathematics

A taxi service charges a fixed base fare plus a variable rate per kilometre. For a 10 km trip, Raju paid ₹230, and for a 15 km trip, Meena paid ₹330. What is the base fare and the per-kilometre charge?

- A. Base fare = ₹60; Per-kilometre Charge = ₹20
- B. Base fare = ₹30; Per-kilometre Charge = ₹20 ✓
- C. Base fare = ₹40; Per-kilometre Charge = ₹18
- D. Base fare = ₹50; Per-kilometre Charge = ₹18

Q27 Mathematics

If the mean proportional of A and 27 is 18, then find the value of A.

- A. 10
- B. 11
- C. 12 ✓
- D. 13



Q28 Mathematics

In an election held in a city, the voting percentage was 72%. The winner got 27% of the polled votes, while the runner-up got 15% of the polled votes. If there were 1,20,000 voters in that city, by how many votes did the winner win the election?

A. 11,458

B. 10,458

C. 10,368



D. 11,358

Q29 Mathematics

Nisha goes to a shop to purchase a toy drum priced at ₹5,000. She is offered 4 discount options by the shopkeeper. Which of the following options should she opt for to gain maximum advantage of the discount offered?

A. Two successive discounts of 7% and 45%

B. Two successive discounts of 10% and 39%

C. A single discount of 64%



D. Two successive discounts of 23% each

Q30 Mathematics

P and Q together can fill a cistern with water in 8 hours. If P alone can fill the cistern with water in 16 hours, then in how many hours will Q alone fill one-fourth of the same cistern with water?

A. 8

B. 5

C. 9

D. 4

**Q31 Mathematics**

The amount on a sum of ₹3,500 at 20% per annum compound interest, compounded annually, in 2 years will be:

A. ₹5,138

B. ₹6,011

C. ₹5,564

D. ₹5,040

**Q32 Mathematics**

The average of the first 9 even natural numbers is:

A. 9

B. 13

C. 10



D. 11

Q33 Mathematics

A person observes an object on the ground from the top of a tower at an angle of depression 60° . If the distance between the foot of the tower and the object is $10\sqrt{3}$ m, then find the height (in m) of the tower.

A. 21.5

B. 30



C. $20\sqrt{3}$

D. $15\sqrt{3}$

Q34 Mathematics

Two trains, A and B, of lengths 457 m and 113 m are running at speeds of 18 m/s and 20 m/s, respectively, towards each other on parallel tracks. In how much time will they cross each other?

A. 5 seconds

B. 12 seconds

C. 15 seconds



D. 23 seconds

Q35 Mathematics

If the price of rice increases by 20% and a person reduces its consumption by 20%, by what percentage will his total expenditure on rice decrease?

A. 3%

B. 2%

C. 5%

D. 4%

**Q36 Mathematics**

P sells an item to R at a profit of 10%, and R sells it to Q at a profit of 5%. What would have been P's profit percentage if he had sold the item directly to Q at the price R sold it?

A. 15%

B. 14.5%

C. 15.5%



D. 16%

Q37 Mathematics

Find the smallest number which when increased by 20 is completely divisible by 12, 20, 15, 18 and 24.

A. 320

B. 340



C. 330

D. 310



Q38 Mathematics

The marked price of a toy truck is ₹8,730, and its selling price is ₹5,940. Find the discount percentage. (Round off the answer to two decimal places.)

- A. 28.98%
- B. 31.89%
- C. 35.12%
- D. 31.96%

**Q39 Mathematics**

If the radius of a sphere is 22 cm, then its surface area is:

- A. $1936 \pi \text{ cm}^2$
- B. $2000 \pi \text{ cm}^2$
- C. $1864 \pi \text{ cm}^2$
- D. $1964 \pi \text{ cm}^2$

**Q40 Mathematics**

The salaries of X, Y and Z are in the ratio 18:5:10. If the increments of 45%, 86% and 89% are allowed, respectively, in their salaries, then what will be new ratio of their salaries?

- A. 85:38:67
- B. 90:34:66
- C. 89:37:64
- D. 87:31:63

**Q41 Mathematics**

The present age of a father is two times the age of his son. Fifteen years ago from now, the father was three times as old as his son was at that time. Find the present age of the father.

- A. 60 years
- B. 65 years
- C. 30 years
- D. 40 years

**Q46 Mathematics**

Simplify: $(x + 2)^2 - (x - 3)^2$

- A. $2x - 5$
- B. $2x + 5$
- C. $10x + 5$
- D. $10x - 5$

**Q42 Mathematics**

Which of the following pairs of numbers are relatively prime to each other?

- A. (52, 105)
- B. (102, 153)
- C. (68, 85)
- D. (65, 91)

**Q43 Mathematics**

The average age of 34 students of a class is 29 years. If the age of the teacher is also included, the average age of the whole group becomes 30 years. The age (in years) of the teacher is:

- A. 64
- B. 66
- C. 70
- D. 68

**Q44 Mathematics**

Two pipes A and B fill a tank in 32 and 36 minutes, respectively and pipe C empties 13 cubic units per minute. All three pipes together can fill the tank in 20 minutes. Find the capacity (in cubic units) of the tank.

- A. 1560
- B. 480
- C. 720
- D. 1440

**Q45 Mathematics**

A cyclist rides a 180 km course consisting of three segments. For the first 60 km, the cyclist rides at a speed of 20 km/hr. For the next 60 km, the cyclist rides at 30 km/hr. For the final 60 km, the cyclist rides at 60 km/hr. What is the cyclist's average speed for the entire journey?

- A. 28.57 km/hr
- B. 26 km/hr
- C. 30 km/hr
- D. 29.14 km/hr



Q47 Mathematics

The capacity of a cylindrical vessel is 25.872 litres. If the height of the cylinder is three times the radius of its base, then what is the curved surface area of the cylinder?

(Use $\pi = \frac{22}{7}$)

A. 3945 cm²

B. 3696 cm² ✓

C. 4276 cm²

D. 4122 cm²

Q48 Mathematics

Simplify: $\frac{10 \times a^5 \times b^6}{2 \times a^2 \times b^3}$

A. $5a^3b^3$ ✓

B. $5a^2b^3$

C. $2a^3b^3$

D. $10a^3b^3$

Q49 Mathematics

Three candidates contested an election. The first candidate got 40% votes and the second got 30% votes. If the total number of votes polled were 36,000, find the number of votes obtained by the third candidate.

A. 10,900

B. 10,200

C. 10,100

D. 10,800 ✓

Q50 Mathematics

If the number of sides of a regular polygon is 18, then what is the measure of the interior angle of the polygon?

A. 140°

B. 150°

C. 120°

D. 160° ✓



Q51 General Intelligence & Reasoning

Town K is to the north of Town L. Town M is to the east of Town K. Town N is to the south of Town M. Town O is to the west of Town N. Town L is to the south-west of Town O. What is the position of Town K with respect to Town O?

- A. North-east
- B. South-east
- C. South-west
- D. North-west

**Q52** General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All glasses are tiles.
All glasses are cups.
All cups are mugs.

Conclusions:

(I): All glasses are mugs.
(II): Some cups are tiles.

- A. Neither conclusion (I) nor (II) follows
- B. Both conclusions (I) and (II) follow
- C. Only conclusion (II) follows
- D. Only conclusion (I) follows

**Q53** General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

HEM JGO LIQ NKS ?

- A. PNU
- B. PMV
- C. PMU
- D. PNV

**Q54** General Intelligence & Reasoning

This question is based on the five, three-digit numbers given below.

(Left) 672 323 561 307 529 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

(NOTE - All operations to be done from left to right.)

What will be the resultant if the second digit of the highest number is added to the third digit of the lowest number?

- A. 14



- B. 18
- C. 15
- D. 16

Q55 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some elephants are horses.
No horse is a donkey.

Conclusions:

(I) No elephant is a donkey.
(II) No horse is an elephant.

- A. Both follow
- B. Neither follows
- C. Only II follows
- D. Only I follows

**Q56** General Intelligence & Reasoning

Six people, A, B, C, D, E and F, are sitting in a row, facing the north. D sits to the immediate left of F. C sits third to the left of B. F is an immediate neighbour of C. E sits second to the right of C. A sits to the immediate left of E. Who sits at the extreme right end of the row?

- A. B



- B. F
- C. A
- D. E



Q57 General Intelligence & Reasoning

If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 8341756, then how many digits will appear more than once in the new number thus formed?

- A. Two
- B. Three ✓
- C. One
- D. None

Q58 General Intelligence & Reasoning

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

WZX-TWU
QTR-NQO

- A. YAX-UXV
- B. YAX-VYW
- C. YBZ-VYW ✓
- D. YBZ-UYV

Q59 General Intelligence & Reasoning

This question is based on the five, three-digit numbers given below.

(Left) 284 286 297 213 246 273 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

What will be the resultant if the third digit of the highest number is added to the third digit of the lowest number?

- A. 10 ✓
- B. 8
- C. 9
- D. 13

Q60 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(5, 20, 13)
(9, 32, 25)

- A. (14, 37, 30)
- B. (20, 65, 72)
- C. (12, 41, 48)
- D. (15, 50, 43) ✓

Q61 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- A. IM-LP
- B. BF-EI
- C. ZD-BI ✓
- D. VZ-YC

Q62 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

1011 1010 1007 1002 995 ?

- A. 984
- B. 985
- C. 987
- D. 986 ✓

Q63 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

SWE33 , LPX50 , EIQ67 , XBJ84 , ?

- A. QUD101
- B. QVC101
- C. OUC101
- D. QUC101 ✓



Q64 General Intelligence & Reasoning

What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$189 - 153 \times 9 \div 3 + 195 = ?$$

A. 46

B. 45 

C. 44

D. 40

Q65 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

2, 5, 10, 17, 26, ?

A. 37 

B. 35

C. 39

D. 41

Q66 General Intelligence & Reasoning

Rohit starts from point A and drives 2 km towards the east. He then takes a left turn, drives 5 km and then again turns left and drives 2 km. He then takes a final left turn and drives 3 km and stops at point E. How far and towards which direction should he drive in order to reach point A again? (All turns are 90-degree turns only unless specified.)

A. 4 km towards the north

B. 4 km towards the west

C. 2 km towards the east

D. 2 km towards the south **Q67 General Intelligence & Reasoning**

If 'A' stands for '÷', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', then what will come in place of the question mark (?) in the following equation?

$$21 A 3 C 2 B 6 D 14 = ?$$

A. 17

B. 2

C. 11

D. 5 **Q68 General Intelligence & Reasoning**

What should come in place of the question marks (?) in the given series?

489 479 469 ? 449 ? 429

A. 449 and 439 respectively

B. 459 and 429 respectively

C. 469 and 439 respectively

D. 459 and 439 respectively **Q69 General Intelligence & Reasoning**

Seven boxes, A, B, C, D, E, F and G, are kept one over the other, but not necessarily in the same order. Only three boxes are kept below D. Only two boxes are kept between D and E. Only C is kept immediately above A. F is kept at some place below B and at some place above G. How many boxes are kept below G?

A. 3

B. 2

C. 1 

D. 4

Q70 General Intelligence & Reasoning

In a certain code language, 'bring hot food' is coded as 'cf tk rg' and 'food is good' is coded as 'ml do cf'. How is 'food' coded in that language?

A. tk

B. cf 

C. do

D. ml

Q71 General Intelligence & Reasoning

In a certain code language,
'A ± B' means 'A is the wife of B',
'A * B' means 'A is the daughter of B',
'A ₹ B' means 'A is the father of B' and
'A # B' means 'A is the brother of B'.

How is D related to O if 'D # R * A ± C ₹ O'?

A. Son

B. Father

C. Husband

D. Brother 

Q72 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. QUS

B. MQO

C. GKI

D. OSU

**Q73 General Intelligence & Reasoning**

Six people G, H, I, Q, R and S are sitting in a straight line facing the north. Only two people are seated to the left of G. Only two people are seated between G and I. Only one person is seated between I and R. Q is seated to the immediate left of H. How many people are seated to the right of S?

A. Four

B. One



C. Three

D. Two

Q74 General Intelligence & Reasoning

In a certain code language, 'MIST' is coded as '5321' and 'KITS' is coded as '5128'. What is the code for 'K' in that language?

A. 8



B. 1

C. 5

D. 2

Q75 General Intelligence & Reasoning

Six colleagues — Hussain, Anita, Manshaad, Emily, Sunita, and Shanti — are sitting around a circular table facing the centre. Hussain is sitting second to the right of Anita. Manshaad is an immediate neighbour of both Emily and Anita. Sunita is sitting second to the left of Manshaad. Who is sitting second to the left of Shanti?

A. Anita

B. Sunita

C. Manshaad



D. Emily

Q76 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 8 9 4 1 2 3 7 3 1 4 6 (Right)

How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an odd digit?

A. Two



B. Four

C. Three

D. One

Q77 General Intelligence & Reasoning

This question is based on the five, three-digit numbers given below.

(Left) 624 859 742 154 348 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

What will be the resultant if the third digit of the second highest number is added to the third digit of the second lowest number?

A. 7

B. 10



C. 9

D. 8

Q78 General Intelligence & Reasoning

Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

CZB-EBD

IFH-KHJ

A. DAC-ECD

B. DZA-EBD

C. DZA-FCE

D. DAC-FCE



Q79 General Intelligence & Reasoning

All 81 people are standing in a row facing the north. Mr. Hepa is 11th from the left end, while Mr. Annu is 16th from the right end. How many people are there between Mr. Hepa and Mr. Annu?

A. 54



B. 58

C. 56

D. 55

Q80 General Intelligence & Reasoning

BRMJ is related to XNIF in a certain way based on the English alphabetical order. In the same way, TQSN is related to PMOJ. To which of the given options is LDSK related, following the same logic?

A. HZOG



B. IZPH

C. KAQI

D. GXNF

General Awareness

20 Questions • Answer Key

Q81 General Awareness

On 1 September 2025, the rupee _____ to a record low before recovering after likely RBI intervention.

A. fell to ₹88.33 per USD



B. rose to ₹75 per USD

C. rose to ₹88 per USD

D. stabilised at ₹80 per USD

Q82 General Awareness

Who scored centuries in both innings of the 1st Test against England at Headingley in 2025?

A. KL Rahul

B. Rishabh Pant



C. Jasprit Bumrah

D. Virat Kohli

Q83 General Awareness

In March 2025, the Disaster Management (Amendment) Bill 2024 was passed in the Lok Sabha. This bill seeks to amend which of the following Acts?

A. The Disaster Management Act, 2005



B. The National Green Tribunal Act, 2010

C. The Environmental Protection Act, 1986

D. The Epidemic Diseases Act, 1897

Q84 General Awareness

Which sport is associated with Rafael Nadal, recipient of the 2025 Sporting Icon Award?

A. Athletics

B. Golf

C. Table Tennis

D. Tennis

**Q85 General Awareness**

Which of the following districts emerged as the best-performing district in the Northeastern Region according to the 2023–24 SDG Index released by NITI Aayog in July 2025?

A. Hnahthial (Mizoram)



B. Aizawl (Mizoram)

C. West Tripura (Tripura)

D. East Sikkim (Sikkim)

Q86 General Awareness

Where was Asia's longest double-decker flyover inaugurated in October 2024?

A. Nagpur



B. Hyderabad

C. Bengaluru

D. Chennai

Q87 General Awareness

Which of the following Ministries conferred the prestigious National Dhanwantari Ayurveda Awards in 2025 for distinguished practitioners for their exceptional contributions to the field of traditional Indian medicine?

A. Ministry of AYUSH



B. Ministry of Tribal Affairs

C. Ministry of Culture

D. Ministry of Education



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Q88 General Awareness

At the Eighth Session of the International Solar Alliance (ISA) Assembly held at Bharat Mandapam in October 2025, which of the following initiatives was launched to address solar waste and promote circularity in the solar sector?

- A. JYOTI – Joint Yearly Outlook for Technology and Innovation
- B. SUNRISE – Solar Upcycling Network for Recycling, Innovation & Stakeholder Engagement ✓
- C. PRABHA – Programme for Rural and Bharat Household Access to Solar
- D. SURYA – Solar Urban Rooftop Yojana for Asia

Q89 General Awareness

In August 2025, DRDO's Defence Metallurgical Research Laboratory (DMRL) transferred the technology for manufacturing high-strength radomes to which of the following companies?

- A. Hindustan Aeronautics Limited (HAL)
- B. Armoured Vehicles Nigam Limited (AVNL)
- C. Bharat Dynamics Limited (BDL)
- D. Bharat Heavy Electricals Limited (BHEL) ✓

Q90 General Awareness

In October 2024, which of the following companies was awarded the contract for design, manufacturing and commissioning of two high-speed trainsets by Integral Coach Factory (ICF) to be used in India's first bullet train between Mumbai and Ahmedabad?

- A. Rail Coach Factory (RCF) Kapurthala
- B. Braithwaite and Co. Limited
- C. Bharat Earth Movers Limited (BEML) ✓
- D. Modern Coach Factory (MCF) Raebareli

Q91 General Awareness

Who won the 2025 Pulitzer Prize for Fiction with the novel 'James', a reimagining of 'Huckleberry Finn' from Jim's perspective?

- A. Percival Everett ✓
- B. Charles McQueer
- C. Danny Boy O'Connor
- D. Tim Minshall

Q92 General Awareness

The 6th edition of the UMAI National Muaythai Championship was held in June 2025. What was its host city?

- A. Raipur
- B. Rohtak ✓
- C. Ranchi
- D. Bhopal

Q93 General Awareness

What was the penalty amount imposed by the Insurance Regulatory and Development Authority of India (IRDAI) on Acko General Insurance in May 2025?

- A. ₹50 lakh
- B. ₹1 crore ✓
- C. ₹25 lakh
- D. ₹2 crore

Q94 General Awareness

Who was awarded the Nobel Peace Prize 2025?

- A. Maria Corina Machado ✓
- B. Malala Yousafzai
- C. Svetlana Tikhanovskaya
- D. Greta Thunberg

Q95 General Awareness

In 2025, Uttar Pradesh and which other state hosted the Defence Industrial Corridor that together have attracted investments worth over ₹8,658 crore?

- A. Tamil Nadu ✓
- B. Maharashtra
- C. Gujarat
- D. Karnataka

Q96 General Awareness

Rebakanta Mahanta, who was awarded the Padma Shri in January 2025, is renowned for which art form?

- A. Kathakali
- B. Pottery
- C. Madhubani painting
- D. Bamboo mask-making ✓



Q97 General Awareness

The new FASTag Annual plan system is specifically NOT designed for which type of vehicles?

- A. Vans
- B. Private cars
- C. Commercial trucks
- D. Jeeps



Q98 General Awareness

On 26 May 2025, which government agency released a report titled 'Designing a Policy for Medium Enterprises', offering a comprehensive roadmap for transforming medium enterprises into future growth engines of India's economy?

- A. NITI Aayog
- B. Securities and Exchange Board of India
- C. Reserve Bank of India
- D. State Bank of India



Q99 General Awareness

Which city hosted the first Indian Grand Prix athletics meet in March 2025?

- A. Chennai
- B. Bengaluru
- C. Thiruvananthapuram
- D. Bhubaneswar



Q100 General Awareness

Which among the following technology-based methods of beneficiary registration under Poshan 2.0 was announced for implementation from 1st August 2025 during the Zonal Meeting at Kevadia, Gujarat, organised by the Ministry of Women and Child Development?

- A. Quick Response Code Scanning Process
- B. Facial Recognition System
- C. One-Time Password Verification Method
- D. Biometric Authentication System



General Science

25 Questions • Answer Key

Q1 General Science

Select the correct pair of example of 'sublimation'.

- A. Sugar and naphthalene
- B. Salt and camphor
- C. Camphor and naphthalene ✓
- D. Dry ice and salt

Q2 General Science

The slope of a distance-time graph represents the:

- A. speed of the object ✓
- B. distance covered
- C. force on the object
- D. acceleration of the object

Q3 General Science

Which of the following is the correct reason for constructing the ceilings of large halls in a curved shape?

- A. To provide more storage space above the ceiling
- B. To reduce the overall height of the hall
- C. To reduce construction cost
- D. To allow sound to distribute evenly in the hall ✓

Q4 General Science

If an object's velocity changes uniformly over a period of time, how can the average velocity during that time be calculated?

- A. By adding the initial velocity to twice the final velocity
- B. By subtracting the initial velocity from the final velocity
- C. By taking the arithmetic mean of the initial and final velocities ✓
- D. By dividing the final velocity by the initial velocity

Q5 General Science

If the stamens of a flower are non-functional, which process will NOT be done?

- A. Pollen production ✓
- B. Ovule development
- C. Fruit dispersal
- D. Bud protection

Q6 General Science

Which process involves the breakdown of uterine walls when the egg is NOT fertilised?

- A. Menopause
- B. Incubation
- C. Menstruation ✓
- D. Fertilisation

Q7 General Science

Which of the following statements about evaporation is true?

- A. It occurs only at the surface of the liquid ✓
- B. It occurs only at boiling point
- C. It occurs throughout the liquid
- D. It requires no heat

Q8 General Science

A 100 W bulb is connected to a 220 V supply. The current through the bulb is approximately:

- A. 0.45 A ✓
- B. 0.91 A
- C. 1.1 A
- D. 2.2 A

Q9 General Science

As the chest cavity becomes larger, air is _____ into the lungs and fills the expanded _____.

- A. absorbed; diaphragm
- B. pushed; bronchi
- C. forced; ribs
- D. pulled; alveoli ✓



Q10 General Science

Which of the following statements is/are true when two different resistors R_1 and R_2 are connected in parallel to one another in a circuit?

- (i) The potential difference across each of them is same.
- (ii) The current through both of them will be the same.
- (iii) Their equivalent resistance is equal to $R_1 + R_2$.

- A. Both (i) and (iii)
- B. Only (ii)
- C. Both (ii) and (iii)
- D. Only (i)

Q11 General Science

Which acid does NOT give hydrogen gas when treated with metal because of its oxidising nature?

- A. Nitric acid
- B. Sulphuric acid
- C. Acetic acid
- D. Hydrochloric acid

Q12 General Science

Which of the following natural phenomena CANNOT be explained by the Universal Law of Gravitation?

- A. Attraction between magnets
- B. Revolution of the Moon around the Earth
- C. Falling of an apple from a tree
- D. Tides in the ocean

Q13 General Science

The emergent ray from a rectangular glass slab is:

- A. Parallel to the incident ray
- B. Perpendicular to the incident ray
- C. Bent towards the normal
- D. Bent away from the normal

Q14 General Science

What are animals used for tilling, irrigation and carting referred to as?

- A. Milch animals
- B. Draught animals
- C. Carnivorous animals
- D. Wild animals

Q15 General Science

An object is placed at infinity in front of a concave mirror. Where is the image formed?

- A. At the principal focus (F)
- B. Behind the mirror
- C. At the pole (P)
- D. At the centre of curvature (C)

Q16 General Science

Which of the following processes occurs before fertilisation in sexually reproducing plants?

- A. Embryo formation
- B. Seed development
- C. Fruit formation
- D. Pollination

Q17 General Science

Who first observed the densely stained reticular structures near the nucleus, now known as Golgi bodies?

- A. Anton van Leeuwenhoek
- B. Robert Hooke
- C. Camillo Golgi
- D. Matthias Schleiden

Q18 General Science

Match the following body parts with the types of epithelial tissue found in them.

Body parts	Epithelial tissue
A. Kidney tubules	1. Stratified squamous epithelial
B. Surface of skin	2. Cuboidal epithelium
C. Lung alveoli	3. Ciliated columnar epithelium
D. Respiratory tract lining	4. Simple squamous epithelium

- A. A-4, B-2, C-3, D-1
- B. A-1, B-2, C-3, D-4
- C. A-2, B-1, C-4, D-3
- D. A-2, B-3, C-4, D-1



Q19 General Science

Growing wheat and mustard simultaneously on the same piece of land is an example of which of the following?

- A. Monoculture cropping
- B. Jhum cultivation
- C. Crop rotation
- D. Mixed cropping** ✓

Q20 General Science

Which two forms of energy are collectively known as mechanical energy?

- A. Electrical energy and Magnetic energy
- B. Heat and Light energy
- C. Kinetic and Potential energy** ✓
- D. Chemical energy and Nuclear energy

Q21 General Science

What is the atomic mass of magnesium?

- A. 6
- B. 1
- C. 24** ✓
- D. 14

Q22 General Science

How many carbon atoms are present in a benzene ring?

- A. 8
- B. 6** ✓
- C. 5
- D. 4

Q25 General Science

Which of the following is a displacement reaction?

- A. $\text{NaOH} + \text{HCl} \rightarrow \text{NaCl} + \text{H}_2\text{O}$
- B. $\text{CaCO}_3 \rightarrow \text{CaO} + \text{CO}_2$
- C. $\text{Zn} + \text{CuSO}_4 \rightarrow \text{ZnSO}_4 + \text{Cu}$** ✓
- D. $\text{AgNO}_3 + \text{NaCl} \rightarrow \text{AgCl} + \text{NaNO}_3$

Q23 General Science

Which method is used to extract metals that are high in the reactivity series?

- A. Roasting
- B. Heating with carbon
- C. Calcination
- D. Electrolytic reduction** ✓

Q24 General Science

Match the following synthetic indicators and colour changes.

Column A (Indicator)	Column B (Colour Change)
A. Red litmus	1. Turns blue in base
B. Blue litmus	2. Turns red in acid
C. Phenolphthalein	3. Colourless in acid, pink in base
D. Methyl orange	4. Red in acid, yellow in base

- A. A-4; B-3; C-2; D-1
- B. A-2; B-1; C-3; D-4
- C. A-1; B-2; C-3; D-4** ✓
- D. A-3; B-4; C-1; D-2



Q26 Mathematics

The sides of a triangle are 41 cm, 84 cm and 85 cm. What is the length of its altitude corresponding to the side with the length of 84 cm?

A. 24 cm

B. 40 cm ✓

C. 20 cm

D. 14 cm

Q27 Mathematics

A dealer purchased an AC for ₹1,848. After allowing a discount of 58% on its marked price, he still gains 63%. Find the marked price of the AC.

A. ₹7,172 ✓

B. ₹7,219

C. ₹7,066

D. ₹7,216

Q28 Mathematics

P and Q together can fill a cistern with water in 14 hours. If P alone can fill the cistern with water in 28 hours, then in how many hours will Q alone fill one-fourth of the same cistern with water?

A. 14

B. 15

C. 8

D. 7 ✓

Q29 Mathematics

The expenditure of Sudha is 100% more than her savings. If her expenditure decreases by 2% and savings increase by 22%, then by what percentage does her income increase?

A. 10%

B. 6% ✓

C. 3%

D. 2%

Q30 Mathematics

How many seconds will a boy take to run one complete round around a square field of side 25 metres, if he runs at a speed of 3 km/hr?

A. 100

B. 110

C. 130

D. 120 ✓

Q31 Mathematics

₹7,085 is divided among X, Y and Z in such a way that if ₹92, ₹9 and ₹48 are deducted from their respective shares, they have money in the ratio 3:15:16. Find the difference between Y's and Z's original shares.

A. ₹254

B. ₹104

C. ₹243 ✓

D. ₹54

Q32 Mathematics

Find the value of $(2x+3)^2 - (2x-3)^2 - 24x$

A. 0 ✓

B. 2x

C. 4x

D. 1

Q33 Mathematics

A grandfather is five times as old as his grandson. In ten years, he will be only three times as old as his grandson would then be. If the grandfather's cousin is five years older than him, then how old was the cousin three years ago?

A. 52 years ✓

B. 51 years

C. 55 years

D. 54 years



Q34 Mathematics

The amount on a sum of ₹3,200 at 10% per annum compound interest, compounded annually, in 2 years will be:

- A. ₹3,189
- B. ₹3,871
- C. ₹4,648
- D. ₹3,872

**Q35 Mathematics**

What is the least number that should be added to 517 so that the number obtained is exactly divisible by 15, 25 and 8?

- A. 82
- B. 81
- C. 86
- D. 83

**Q36 Mathematics**

The Rajdhani Express and Garib Rath Express run in the same direction with speeds of 115 km/hr and 61 km/hr, respectively, and their lengths are the same. What is the length of the Rajdhani Express if it completely crosses the Garib Rath Express in 116 seconds?

- A. 877 m
- B. 868 m
- C. 870 m
- D. 873 m

**Q37 Mathematics**

If 50 litres of a mixture of milk and water contains 12% of water. How much water should be added to make the water 20% in the new mixture?

- A. 5 litres
- B. 3 litres
- C. 2 litres
- D. 6 litres

**Q38 Mathematics**

Ajeet got a new table at 20% discount. If Ajeet did not get any discount, Ajeet would have to pay ₹6,925 extra. So how much did Ajeet pay for the table?

- A. ₹27,698
- B. ₹27,701
- C. ₹27,702
- D. ₹27,700

**Q39 Mathematics**

If the radius of a sphere is 30 cm, then its surface area is:

- A. $1800 \pi \text{ cm}^2$
- B. $900 \pi \text{ cm}^2$
- C. $3600 \pi \text{ cm}^2$
- D. $3612 \pi \text{ cm}^2$

**Q40 Mathematics**

The taxi charges in a city consist of a fixed charge together with the charge for the distance covered. For a distance of 20 km, the charge paid is ₹200 and for a distance of 25 km, the charge paid is ₹245. How much does a person have to pay for covering a distance of 1 km?

- A. ₹29
- B. ₹31
- C. ₹25
- D. ₹27

**Q41 Mathematics**

The average price of three items of furniture is ₹16,650. If their prices are in the ratio 3 : 5 : 7, the price of the costliest item (in ₹) is:

- A. 7,770
- B. 9,990
- C. 23,310
- D. 5,550

**Q42 Mathematics**

If $P : 14 :: 57 : 21$, then find the value of P.

- A. 38
- B. 35
- C. 36
- D. 41

**Q43 Mathematics**

The monthly incomes of two friends Mohan and David, are in the ratio 5 : 9, respectively, and each of them saves ₹48,000 every month. If the ratio of their monthly expenditure is 2 : 4, find the monthly income of Mohan(in ₹).

- A. 3,36,000
- B. 2,40,000
- C. 2,41,000
- D. 2,39,000



Q44 Mathematics

A shopkeeper buys a laptop for ₹40,000 and sells it for ₹45,000. What is the percentage profit made by the shopkeeper?

A. 17.5%

B. 13.5%

C. 12.5%



D. 10.5%

Q45 Mathematics

The sum of the first 21 prime numbers is:

A. 712



B. 717

C. 710

D. 709

Q46 Mathematics

If $\sin\theta = \frac{3}{5}$, what is the value of $\cos^2\theta$?

A. $\frac{4}{5}$

B. $\frac{9}{25}$

C. $\frac{3}{5}$

D. $\frac{16}{25}$

**Q47 Mathematics**

Simplify $\sqrt{50} + \sqrt{8}$

A. $\sqrt{58}$

B. $\sqrt{68}$

C. $\sqrt{98}$



D. $\sqrt{78}$

Q48 Mathematics

The length, breadth and height of a cuboid are in the ratio $\frac{2}{3} : \frac{1}{4} : \frac{5}{6}$. If the length, breadth and height of the cuboid are increased by 25%, $33\frac{1}{3}\%$ and 40%, respectively, then the volume of the new cuboid is how many times the volume of original cuboid?

A. $\frac{5}{3}$ times

B. 3 times

C. $\frac{4}{3}$ times

D. $\frac{7}{3}$ times



Q49 Mathematics

Find the mode of the given data 22, 16, 17, 49, 7, 16, 45, 17, 7, 6, 16, 17, 22, 7, 16, and 44.

- A. 7
- B. 22
- C. 17
- D. 16

**Q50 Mathematics**

A can do a piece of work in 12 days by working 6 hours per day. B can do the same piece of work in 18 days by working 8 hours per day.

If both work together $7\frac{1}{9}$ hours per day, then in how many days they can complete the same piece of work?

- A. $6\frac{1}{4}$
- B. $5\frac{3}{4}$
- C. $6\frac{3}{4}$
- D. $5\frac{1}{4}$

**General Intelligence & Reasoning**

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

Ridam starts from Point A and drives 45 km towards East. He then takes a right turn, drives 48 km, turns right and drives 51 km. He then takes a right turn and drives 63 km. He takes a final right turn, drives 6 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only, unless specified.)

- A. 16 km to the north
- B. 15 km to the South
- C. 14 km to the South
- D. 17 km to the north

**Q52 General Intelligence & Reasoning**

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All pans are cups.
All cups are bottles.
Some cups are mugs.

Conclusions:

- (I) Some bottles are mugs.
- (II) Some pans are mugs.

- A. Both conclusions (I) and (II) follow.
- B. Neither conclusion (I) nor (II) follows.
- C. Only conclusion (I) follows.
- D. Only conclusion (II) follows.



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Q53 General Intelligence & Reasoning

Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

MV-OX-QS
OX-QZ-SU

- A. LT-MV-OR
- B. KT-MV-OQ
- C. KT-MV-OR
- D. LT-MU-OR

**Q54 General Intelligence & Reasoning**

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 7 1 4 3 6 2 7 9 6 5 1 1 7 7 3 2 5 5 3 6 6 5 6 2 1 9 1
(Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- A. 5
- B. 7
- C. 6
- D. 8

**Q55 General Intelligence & Reasoning**

This question is based on the five, three-digit numbers given below.

(Left) 756 325 685 458 359 (Right)
(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

What will be the resultant if the third digit of the highest number is added to the third digit of the lowest number?

- A. 12
- B. 10
- C. 13
- D. 11

**Q56 General Intelligence & Reasoning**

What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$88 - 36 \times 9 + 4 \div 3 = ?$$

- A. 75
- B. 70
- C. 90
- D. 80

**Q57 General Intelligence & Reasoning**

Refer to the given series and answer the question that follows. (All numbers are single digit numbers only.) Counting to be done from left to right.

(Left) 6 4 9 2 3 2 7 7 9 8 3 8 7 9 9 9 7 9 5 8 9 9 1 (Right)

How many such odd digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

- A. One
- B. Three
- C. None
- D. Two

**Q58 General Intelligence & Reasoning**

Six people, A, B, C, D, E and F, are sitting in a row, facing north. A sits to the immediate left of D. C sits third to the left of E. C is an immediate neighbour of D. F sits to the immediate left of B. How many people sit between E and F?

- A. Two
- B. None
- C. Three
- D. One

**Q59 General Intelligence & Reasoning**

In a certain code language,
A + B means 'A is the son of B',
A - B means 'A is the brother of B',
A x B means 'A is the wife of B' and
A & B means 'A is the father of B'.

How is T related to M if 'T + O - R x N & M'?

- A. Brother's son
- B. Mother's brother's son
- C. Mother's sister's son
- D. Mother's brother



Q60 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 7 4 1 2 4 9 7 5 3 6 1 5 2 7 4 5 8 3 9 6 5 7 3 9 1 4 2
(Right)

How many such odd numbers are there, each of which is immediately preceded by an even number and also immediately followed by an odd number?

- A. One
- B. Three
- C. More than three
- D. Two

**Q61 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

BAN EDQ HGT KJW ?

- A. NMH
- B. NMJ
- C. NMZ
- D. NZM

**Q62 General Intelligence & Reasoning**

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- A. VACG
- B. TYBF
- C. EJLP
- D. QVXB

**Q63 General Intelligence & Reasoning**

Which numbers should come in place of the question marks (?) in the same sequence to make the series logically complete?

101 103 ? 107 109 ?

- A. 105 and 113, respectively
- B. 107 and 111, respectively
- C. 105 and 111, respectively
- D. 105 and 101, respectively

**Q64 General Intelligence & Reasoning**

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(42, 14, 13.8)
(54, 18, 17.8)

- A. (213, 71, 69.8)
- B. (126, 42, 40.8)
- C. (63, 21, 20.8)
- D. (255, 85, 83.8)

**Q65 General Intelligence & Reasoning**

E, F, G, H, P, Q, and R, are sitting around a circular table facing the centre. Only three people sit between H and R when counted from the right of R. Q sits second to the left of R. G sits fourth to the right of Q. F is an immediate neighbour of Q. P is NOT an immediate neighbour of H. Who sits second to the right of P?

- A. Q
- B. G
- C. E
- D. F

**Q66 General Intelligence & Reasoning**

In a certain code language, 'TMCB' is coded as '76' and 'GKIR' is coded as '90'. What is the code for 'VAPD' in that language?

- A. 86
- B. 88
- C. 80
- D. 91

**Q67 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

7 9 12 17 26 ?

- A. 43
- B. 40
- C. 45
- D. 48



Q68 General Intelligence & Reasoning

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

ADG : CFI
FLR : HNT

A. MDR : SEI

B. VES : TEY

C. NDR : FTS

D. KEQ : MGS

**Q69 General Intelligence & Reasoning**

Each of the digits in the number 268745913 is arranged in ascending order from left to right. Which of the following digits will be third from the left in the new number thus formed?

A. 2

B. 5

C. 4

D. 3

**Q70 General Intelligence & Reasoning**

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. QC – NH

B. HK – DP



C. EW – BB

D. KM – HR

Q71 General Intelligence & Reasoning

All 38 students in a class are standing in a row, facing north. Ayush is 16th from the right end while Meena is 21st from the left end. How many people stand between Ayush and Meena?

A. 2

B. 3

C. 1



D. 0

Q72 General Intelligence & Reasoning

All 35 students in a class are standing in a row, facing north. Veer is 14th from the right end, while Maya is 20th from the left end. How many people stand between Veer and Maya?

A. 1



B. 2

C. 3

D. 0

Q73 General Intelligence & Reasoning

A, B, C, D, E, and L are sitting around a circular table facing the centre. Only two people are sitting between A and B when counted from the left of B. C is sitting to the immediate right of A. D is an immediate neighbour of both E and B. Who are the immediate neighbours of C?

A. E and L

B. B and L

C. A and E

D. L and A

**Q74 General Intelligence & Reasoning**

Which of the given letter-number clusters will replace the question mark (?) in the following series to make it logically complete?

IHD 78 EDZ 87 AZV 96 WVR 105 ?

A. SRN 114



B. SQM 113

C. SBL 113

D. SSM 114

Q75 General Intelligence & Reasoning

If 1 is added to each odd digit and 1 is subtracted from each even digit in the number 24583671, what will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

A. 12

B. 11



C. 10

D. 13



Q76 General Intelligence & Reasoning

In a certain code language, 'bow elk door' is coded as ' xz vo ts' and 'door mug blue' is coded as 'zj xz hf'. How is 'door' coded in the given language?

A. ts

B. xz



C. vo

D. zj

Q77 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

6, 13, 21, 30, 40, ?

A. 51



B. 54

C. 52

D. 53

Q78 General Intelligence & Reasoning

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

CJT : FLU

EIM : HKN

A. NPT:QRU



B. BSR:ODU

C. NPR:VCX

D. ZOT:FSA

Q79 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All golds are hives.

No hive is a cow.

Conclusions:

(I): No gold is a cow.

(II): Some cows are hives.

A. Neither conclusion (I) nor (II) follows

B. Only conclusion (II) follows

C. Only conclusion (I) follows



D. Both conclusions (I) and (II) follow

Q80 General Intelligence & Reasoning

Umesh starts from Point Y and drives 83 km towards south. He then takes a left turn, drives 31 km, turns left and drives 45 km. He then takes a left turn and drives 55 km. He takes a right turn, drives 38 km. He then turns left, drives 16 km to stop at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again?

(All turns are 90° turns only unless specified.)

A. 40 km towards east



B. 38 km towards east

C. 43 km towards west

D. 41 km towards west

General Awareness

20 Questions • Answer Key

Q81 General Awareness

What was the estimated loss of revenue to the government of Delhi due to the Liquor Policy Scam as per CAG report of 2025?

A. ₹20,000 crores

B. ₹10,000 crores

C. ₹5,000 crores

D. ₹2,000 crores

**Q82 General Awareness**

Under which Article of the Indian Constitution has the Appropriation Bill (No.2), 2025, been passed in Parliament?

A. Article 114



B. Article 117

C. Article 119

D. Article 118



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Q83 General Awareness

Where was the second phase of the Khelo India Winter Games, 2025, held?

- A. Zaskar Valley, Ladakh
- B. Leh, Ladakh
- C. Auli, Uttarakhand
- D. Gulmarg, Jammu and Kashmir ✓

Q84 General Awareness

What is the significance of the 'R2 License' granted to Valueattics Reinsurance by the Insurance Regulatory and Development Authority of India (IRDAI) in March 2025?

- A. Approval to commence reinsurance business ✓
- B. Preliminary approval to begin banking operations
- C. License to sell retail insurance policies directly
- D. Regulatory clearance to acquire foreign branches

Q85 General Awareness

The Greenhouse Gases Emission Intensity Target Rules, 2025, targets the specify values for which of the following compliance years?

- A. 2026–27 and 2027–28
- B. 2025–26 and 2026–27 ✓
- C. 2027–28 and 2028–29
- D. 2030–31 and 2035–36

Q86 General Awareness

As of May 2025, what is the maximum FDI allowed through the Automatic Route in India's defense sector for companies seeking new industrial licenses?

- A. 49%
- B. 100%
- C. 74% ✓
- D. 51%

Q87 General Awareness

The Indian Council of Arbitration (ICA) convened a Symposium-cum-Roundtable on 'Bridging Markets, Resolving Disputes via ADR in the India-Singapore Corridor' during which event?

- A. Mediation Week 2025
- B. Singapore Convention Week 2025 ✓
- C. India Legal Week 2025
- D. International Arbitration Summit 2025

Q88 General Awareness

In the Global Innovation Index, 2025, India ranked first among which group of economies?

- A. Upper-middle income economies
- B. High-income economies
- C. Least developed economies
- D. Lower-middle income economies ✓

Q89 General Awareness

Which veteran Indian actor-director, known as 'Bharat Kumar' for his patriotic films, passed away on 4 April 2025?

- A. Dilip Kumar
- B. Manoj Kumar ✓
- C. Amitabh Bachchan
- D. Rajesh Khanna

Q90 General Awareness

'Agnibaan - SORTeD' (Sub-Orbital Technology Demonstrator) was launched on 30 May 2024 from India's first private launch pad called _____, established by Agnikul.

- A. Dhanush ✓
- B. Kawach
- C. Taramandal
- D. Prithvi

Q91 General Awareness

Where and when were the 2025 Juno Awards hosted?

- A. Montreal, May 5
- B. Toronto, April 15
- C. Vancouver, March 30 ✓
- D. Ottawa, March 25

Q92 General Awareness

Where was the first edition of the 'Rising North East' Investors Summit, 2025, held?

- A. Mumbai
- B. Kolkata
- C. New Delhi ✓
- D. Guwahati



Q93 General Awareness

Which of the following national parks emerged as one of the two top-performing protected areas in India, earning a Management Effectiveness Evaluation (MEE) score of 92.97%, in the assessment conducted by the Wildlife Institute of India in June 2025?

- A. Great Himalayan National Park
- B. Dachigam National Park ✓
- C. Ranthambore National Park
- D. Nanda Devi National Park

Q94 General Awareness

What was the agriculture growth rate forecast for India in FY 2025 as per the Economic Survey 2024–25, released in January 2025?

- A. 2.5%
- B. 5.2%
- C. 4.5%
- D. 3.8% ✓

Q95 General Awareness

Where was the 2025 AAU Sullivan Award ceremony held?

- A. New York Athletic Club ✓
- B. Los Angeles Convention Center
- C. Washington DC
- D. Chicago Athletic Club

Q96 General Awareness

Which of the following states launched a flood-hazard zonation atlas as part of new disaster tools in mid-June 2025?

- A. Kerala
- B. Assam ✓
- C. Bihar
- D. Karnataka

Q97 General Awareness

Which of the following revolutionary books was authored by Veer Savarkar in 1923, whose birth anniversary was commemorated on 28th May 2025?

- A. India Wins Freedom
- B. The Discovery of India
- C. Hindutva: Who is a Hindu? ✓
- D. My Experiments with Truth

Q98 General Awareness

Which of the following initiatives supports athletes' training for Olympics and Paralympics as of 2025?

- A. National Sports Fund
- B. Come and Play Scheme
- C. Go and Play scheme
- D. Target Olympic Podium Scheme ✓

Q99 General Awareness

In 2025, which of the following cities hosted the 5th edition of Lok Samvardhan Parv organised by the Ministry of Minority Affairs?

- A. Lucknow, Uttar Pradesh
- B. Bhopal, Madhya Pradesh
- C. Kochi, Kerala ✓
- D. Jaipur, Rajasthan

Q100 General Awareness

Which Grand Prix was won by Max Verstappen in 2025?

- A. Bahrain
- B. Japan ✓
- C. Spain
- D. China



General Science

25 Questions • Answer Key

Q1 General Science

When an object is placed beyond the centre of curvature (C) of a concave mirror, the image formed is:

- A. real, erect and same size as object
- B. real, inverted and smaller than the object ✓
- C. virtual, erect and larger than the object
- D. virtual, inverted and larger than the object

Q2 General Science

The point on the principal axis where rays parallel to the principal axis converge (or appear to diverge) after reflection from a mirror is called which of the following?

- A. Centre of curvature
- B. Aperture
- C. Pole
- D. Principal focus ✓

Q3 General Science

Which of the following statements is NOT correct?

- A. Sound can travel through vacuum. ✓
- B. Sound travels faster in water than in air.
- C. Sound travels slower in gases than in liquids.
- D. Sound travels fastest in solids.

Q4 General Science

Why do we continue to breathe even when we are sitting or sleeping?

- A. To supply oxygen for life processes ✓
- B. To make breathing movements
- C. To give rest to the heart
- D. To let digestion go on

Q5 General Science

What type of gas is released when ethanol reacts with sodium?

- A. Hydrogen ✓
- B. Carbon dioxide
- C. Methane
- D. Oxygen

Q6 General Science

The emergence of a new plant from a seed under favourable environmental conditions is termed as _____.

- A. photosynthesis
- B. fertilisation
- C. germination ✓
- D. pollination

Q7 General Science

What will be the potential energy of a block of mass 30 kg kept at a height of 20 m?

(Take the value of $g = 10 \text{ m/s}^2$)

- A. 60 J
- B. 600 J
- C. 6 J
- D. 6000 J ✓

Q8 General Science

Which of the following is a part of the central nervous system of our body?

- A. Pancreas
- B. Spinal cord ✓
- C. Liver
- D. Stomach

Q9 General Science

If the distance covered is halved and time remains the same, the linear velocity becomes _____.

- A. Same
- B. Half ✓
- C. Zero
- D. Double

Q10 General Science

Which term describes the closeness of particles in solids?

- A. Inter-particle space ✓
- B. Compressibility
- C. Density
- D. Rigidity



Q11 General Science

Which of the following is an example of an object in uniform circular motion?

- A. A satellite orbiting Earth at a constant speed** ✓
- B. A person jogging in a park
- C. A car moving on a crowded street
- D. A train moving on a straight track at varying speeds

Q12 General Science

What is/are the general product(s) of the reaction between a non-metallic oxide and a base?

- A. Water only
- B. Gas and water
- C. Salt and water** ✓
- D. Salt and hydrogen

Q13 General Science

A farmer stores grains from his crop yield in a damp and warm room. After a few weeks, the grains get spoiled and their quantity reduces. What is the most likely reason for this?

- A. Grains were eaten by birds and insects
- B. Grains got washed away with water
- C. Poor irrigation before harvesting
- D. Improper storage conditions** ✓

Q14 General Science

Which of the following is the smallest alkane that can form a stable ring?

- A. Ethane
- B. Methane
- C. Cyclopropane** ✓
- D. Propane

Q15 General Science

Match the Following Substances and Their Ions.

Column A (Substance)	Column B (Ions Produced)
A. HCl	1. H_3O^+ and Cl^-
B. NaOH	2. Na^+ and OH^-
C. KOH	3. K^+ and OH^-
D. $\text{Mg}(\text{OH})_2$	4. Mg^{2+} and 2OH^-

A. A-1; B-2; C-3; D-4 ✓

B. A-4; B-3; C-2; D-1

C. A-3; B-4; C-1; D-2

D. A-2; B-1; C-4; D-3

Q16 General Science

What is the primary reason that the testes are located outside the abdominal cavity in the scrotum?

- A. To facilitate sperm formation as it requires a lower temperature than body temperature** ✓
- B. To reduce the risk of infection
- C. To facilitate easier hormone secretion
- D. To allow proper mixing of sperm and urine

Q17 General Science

Which of the following is usually connected in series in a domestic circuit?

- A. Fan
- B. Main fuse** ✓
- C. All appliances
- D. Electric bulb

Q18 General Science

In multicellular organisms like humans, digestion occurs in:

- A. specialised digestive organs** ✓
- B. nucleus
- C. food vacuoles
- D. entire cell surface

Q19 General Science

How does the weight of an object on the Moon compare to its weight on Earth?

- A. It is one-sixth of its weight on Earth.** ✓
- B. It is six times of its weight on Earth.
- C. It is the same as that on Earth.
- D. It is one-third of its weight on Earth.



Q20 General Science

Why do we feel cool when sweat evaporates from our skin?

- A. Sweat absorbs heat from our skin to evaporate.** ✓
- B. Sweat releases heat during evaporation.
- C. Sweat turns into ice before evaporation.
- D. Sweat forms crystals that cool the skin.

Q21 General Science

Why is practicing safe sex important for reproductive health?

- A. It prevents sexually transmitted diseases like HIV-AIDS** ✓
- B. It ensures hormonal balance in the body
- C. It guarantees pregnancy
- D. It increases fertility

Q22 General Science

How much current will flow through a resistor of 20 Ω when a potential difference of 40 V is applied across it?

- A. 1/2 A
- B. 2 A** ✓
- C. 1/5 A
- D. 5 A

Q23 General Science

What is the main structural component of the plant cell wall?

- A. Cellulose** ✓
- B. Collagen
- C. Peptidoglycan
- D. Chitin

Q24 General Science

Due to the continuous random movement of the gas particles, the particles collide with the walls of the container. The pressure exerted by the gas is equal to the:

- A. force exerted by the gas particles per unit volume of the container
- B. force exerted by the gas particles per unit area of the bottom of the container
- C. force exerted by the gas particles per unit area on the walls of the container** ✓
- D. force exerted by the gas particles on the walls of the container

Q25 General Science

Unsaturated carbons are _____ than the saturated carbon compounds.

- A. More saturated
- B. Equally reactive
- C. More reactive** ✓
- D. Less reactive

Mathematics

25 Questions • Answer Key

Q26 Mathematics

If the mean of 25, 29, 25, 32, 24 and x is 26, then the median of the data is:

- A. 25** ✓
- B. 29
- C. 27
- D. 24

Q27 Mathematics

What is the mode of the following data?

55, 45, 44, 48, 42, 45, 52, 53, 42, 50, 54, 49, 52, 45, 47, 43, 45, 48

- A. 55
- B. 45** ✓
- C. 48
- D. 44



Q28 Mathematics

A retailer offers the given discount schemes for buyers on an article. Which of the following schemes will be least beneficial to the customer?

- i. A discount of 34%
- ii. A discount of 37% followed by a discount of 8%
- iii. Successive discounts of 7% and 27%

A. Scheme iii



B. Both scheme ii and scheme iii

C. Scheme ii

D. Scheme i

Q29 Mathematics

The amount on a sum of ₹1,800 at 10% per annum compound interest, compounded annually, in 2 years will be:

A. ₹2,178



B. ₹2,506

C. ₹3,118

D. ₹2,820

Q30 Mathematics

If the number 2X73Y5 is divisible by 11, then find the value of (X-Y).

A. 6

B. 1



C. 3

D. 5

Q31 Mathematics

In $\triangle ABC$, $BD \perp AC$ at D and $\angle DBC = 65^\circ$. E is a point on BC such that $\angle CAE = 30^\circ$. What is the measure of $\angle AEB$?

A. 53°

B. 55°



C. 56°

D. 50°

Q32 Mathematics

The ratio of 38 hours to 2 days is equivalent to what?

A. 21:27

B. 19:24



C. 12:19

D. 22:27

Q33 Mathematics

Poonam sold a book to Mohini at a loss of 5% and Mohini sold it to Rupashi at a profit of 8%. If Rupashi bought the book for ₹1,539, then what was the cost price (in ₹) of the book for Poonam?

A. 1,500



B. 1,650

C. 1,550

D. 1,600

Q34 Mathematics

If the area of a square is 15.21 cm^2 , then the perimeter (in cm) of the square is:

A. 12.4

B. 16.5

C. 13.8

D. 15.6

**Q35 Mathematics**

Find the greatest number that divides 1005, 244 and 1343, leaving the remainders 5, 4 and 3, respectively.

A. 30

B. 15

C. 25

D. 20

**Q36 Mathematics**

P and Q together can fill a cistern with water in 6 hours. If P alone can fill the cistern with water in 12 hours, then in how many hours will Q alone fill one-fourth of the same cistern with water?

A. 3



B. 7

C. 6

D. 4

Q37 Mathematics

A basket contains 96 fruits consisting of mangoes and oranges. If there are 48 more mangoes than oranges, how many mangoes are there?

A. 64

B. 96

C. 72



D. 88



Q38 Mathematics

In an election, 70% of the total voters cast their votes. Out of these, 60% voted for candidate X and the remaining voted for candidate Y. If candidate Y received 8400 votes, calculate the total number of registered voters.

A. 30,000



B. 40,000

C. 32,000

D. 25,000

Q39 Mathematics

A person saves 50% of his income. If his expenditure is ₹360, then his income (in ₹) is:

A. 760

B. 800

C. 180

D. 720

**Q40 Mathematics**

A mother is 25 years older than her daughter. In 15 years, the mother will be twice as old as the daughter. Find the daughter's current age.

A. 20 years

B. 10 years



C. 35 years

D. 25 years

Q41 Mathematics

A store is offering 'Buy 5, get 16 free' on household items. What is the net percentage discount (approximately) being offered by the store?

A. 74.52%

B. 76.19%



C. 74.24%

D. 78.42%

Q42 Mathematics

Simplify: $\sqrt{\sqrt{24^2 - 16^2 + 2^2} + \sqrt{2^2 \times 3^2} + \sqrt{169}}$

A. 7

B. 3

C. 2

D. 5

**Q43 Mathematics**

Solve: $\frac{9.73 \times 9.73 \times 9.73 + 7.27 \times 7.27 \times 7.27}{9.73 \times 9.73 - 9.73 \times 7.27 + 7.27 \times 7.27}$

A. 18

B. 15

C. 16

D. 17

**Q44 Mathematics**

If the radius of a sphere is increased by 25%, find the percentage increase in its surface area.

A. 50.48%

B. 42.36%

C. 38.15%

D. 56.25%



Q45 Mathematics

If 10% of 20% of $\frac{4}{7}$ of a number is 648, find the number.

A. 57140

B. 57580

C. 56700



D. 60230

Q46 Mathematics

A person covers half the distance of a journey at 60 km/h and the other half at 30 km/h. What is the average speed for the entire journey?

A. 45 km/h

B. 50 km/h

C. 40 km/h



D. 55 km/h

Q47 Mathematics

The average speed of a car running at 70 km/hr for 1 hour and 'p' km/hr for $1\frac{1}{2}$ hours is 58 km/hr. Find the value of p.

A. 62.5

B. 67.5

C. 50



D. 70

Q48 Mathematics

A tank has three pipes: A, B and C. Pipe A fills the tank in 4 hours, Pipe B fills it in 6 hours and Pipe C empties it in 12 hours. If the three pipes are opened alternatively for 1 hour each (A first, then B, then C), how long will it take to fill the tank?

A. 11 hours

B. $7\frac{1}{2}$



C. 9 hours

D. $10\frac{2}{3}$

Q49 Mathematics

Find the value of $\sec^2 50^\circ - \tan^2 50^\circ$.

A. 1



B. 0

C. 2

D. 0.5



Q50 Mathematics

If 896 bananas were distributed among three monkeys, respectively, in the ratio $\frac{4}{6} : \frac{2}{2} : \frac{2}{2}$, how many bananas did the third monkey get?

A. 338

B. 336

C. 335

D. 334

**General Intelligence & Reasoning**

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

34 44 57 73 92 ?

A. 118

B. 112

C. 116

D. 114

**Q52 General Intelligence & Reasoning**

In a certain code language, 'nice large land' is coded as 'cd ak pi', 'land is fertile' is coded as 'rf pc ak' and 'cost is high' is coded as 'si ig pc'. How is 'fertile' coded in that language?

A. rf

B. pc

C. ak

D. cd

**Q53 General Intelligence & Reasoning**

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All hammers are screwdrivers.
No screwdrivers are wrenches.
Some wrenches are pliers.

Conclusions:

(I): No hammers are wrenches.
(II): No pliers are screwdrivers.

A. Neither conclusion (I) nor (II) is true

B. Only conclusion (I) is true

C. Both conclusions (I) and (II) are true

D. Only conclusion (II) is true

**Q54 General Intelligence & Reasoning**

TM 13 is related to WR 16 in a certain way. In the same way, MF 18 is related to PK 21. To which of the given options is QJ 26 related, following the same logic?

A. UM 28

B. TM 28

C. TO 29

D. UP 29

**Q55 General Intelligence & Reasoning**

Refer to the given number, symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) 4 © 7 # 3 \$ 7 6 4 £ 8 \$ 2 * £ & \$ # % 1 * 2 (Right)

How many such numbers are there, each of which is immediately preceded by a number and also immediately followed by a symbol?

A. 0

B. 3

C. 2

D. 1

**Q56 General Intelligence & Reasoning**

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

ELP : CJN
IQW : GOU

A. BTS : AWP

B. BTB : VRY

C. NRT : FSE

D. HWZ : FUX



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Q57 General Intelligence & Reasoning

If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', then what will come in place of the question mark (?) in the following equation?

$$9 B 3 D 56 A 4 C 6 = ?$$

A. 19



B. 27

C. 24

D. 15

Q58 General Intelligence & Reasoning

In a certain code language, VERL is coded as 102 and GZQT is coded as 76. What is the code for BXNO in that language?

A. 89

B. 96

C. 106



D. 110

Q59 General Intelligence & Reasoning

In a certain code language,
A + B means 'A is the son of B',
A - B means 'A is the brother of B',
A x B means 'A is the wife of B',
and A & B means 'A is the father of B'.

How is K related to V if 'K-T+RxZ&V'?

A. Husband

B. Son

C. Father

D. Brother

**Q60 General Intelligence & Reasoning**

A, B, C, D, E and F are sitting around a circular table facing the centre. B sits second to the left of D. F is an immediate neighbour of A. B sits to the immediate right of A. C sits second to the left of E. What is the position of C with respect to A?

A. Immediate right

B. Second to the right



C. Third to the left

D. Second to the left

Q61 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. IM - HL

B. MQ - LP

C. LP - KO

D. OS - NS

**Q62 General Intelligence & Reasoning**

If '+' means '-', '-' means '×', '×' means '÷' and '÷' means '+', then what will come in place of the question mark (?) in the following equation?

$$20 \times 2 \div 2 - 3 + 7 = ?$$

A. 14

B. 11

C. 5

D. 9

**Q63 General Intelligence & Reasoning**

A, B, C, D, E, F and G are sitting around a circular table, facing the centre. Only one person sits between E and A when counted from the left of A. B sits third to the right of C. D sits third to the left of F. B sits to the immediate right of D. G is not an immediate neighbour of D. How many people sit between C and F when counted from the right of F?

A. 2

B. 1



C. 4

D. 3

Q64 General Intelligence & Reasoning

Refer to the following series and answer the question (all numbers are single digit numbers only).

(Left) 3 6 8 9 1 5 7 3 2 4 6 1 9 7 8 2 5 3 9 6 1 4 2 7 (Right)

How many unique even digits are there in the series?

A. None

B. Two

C. Four



D. Three



Q65 General Intelligence & Reasoning

Tarun starts from Point A and drives 65 km towards east. He then takes a left turn, drives 42 km, turns left and drives 78 km. He then takes a left turn and drives 71 km. He takes a final left turn, drives 13 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified)

- A. 28 km to the north
- B. 27 km to the south
- C. 29 km to the north
- D. 26 km to the south

Q66 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

YVW 58 VST 69 SPQ 80 PMN 91 ?

- A. MRX 101
- B. MIJ 101
- C. MKJ 102
- D. MJK 102

Q67 General Intelligence & Reasoning

JPUG is related to OLXE in a certain way. In the same way, TMQK is related to YITI. To which of the following is NOLT related, following the same logic?

- A. TJPQ
- B. SKOR
- C. TJOQ
- D. SKPR

Q68 General Intelligence & Reasoning

Building X is to the south of Building Y and Building Z is to the east of Building Y. In which direction Building X is located with respect to Building Z?

- A. North-West
- B. South-West
- C. South-East
- D. North-East

Q69 General Intelligence & Reasoning

Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north. No one sits to the right of G. Only three people sit between G and D. Only two people sit between D and C. E sits third to the left of F. B sits to the immediate right of F. How many people sit to the right of C?

- A. 3
- B. 1
- C. 2
- D. 4

Q70 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

57 67 82 102 127 ?

- A. 159
- B. 157
- C. 158
- D. 156

Q71 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

5 8 14 26 ? 98

- A. 51
- B. 49
- C. 45
- D. 50

Q72 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some chromium are gallium.
No gallium are gold.
All gold are steel.

Conclusions:

I: Some gold are gallium.
II: Some gallium are steel.

- A. Only conclusion (II) follows
- B. Only conclusion (I) follows
- C. Neither conclusion (I) nor (II) follows
- D. Both conclusions (I) and (II) follow



Q73 General Intelligence & Reasoning

Seven boxes D, E, F, U, V, W and X are kept one over the other but not necessarily in the same order. Only U is kept above D. Only V is kept between D and F. No box is kept below E. Only three boxes are kept between D and W. How many boxes are kept between X and E?

- A. Two
- B. Four
- C. One
- D. Three

**Q74 General Intelligence & Reasoning**

Seven boxes L, M, N, O, Q, R and S are kept one over the other but not necessarily in the same order. M is kept second from the bottom. Only one box is kept between M and N. Only three boxes are kept between M and S where S is kept above M. L is kept immediately below S. Q is kept at one of the places above O. R is not kept immediately above or below M. How many boxes are kept below O?

- A. Zero
- B. Three
- C. One
- D. Two

**Q75 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

FRU HTW JVY LXA ?

- A. NDS
- B. NZC
- C. NZS
- D. NCZ

**Q76 General Intelligence & Reasoning**

This question is based on the five, three-digit numbers given below.

(Left) 351 369 458 517 619 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

What will be the resultant if the second digit of the highest number is added to the second digit of the lowest number?

- A. 5
- B. 7
- C. 6
- D. 4

**Q77 General Intelligence & Reasoning**

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only).

(Left) 2 4 5 7 1 9 3 6 8 4 7 2 5 9 3 1 8 6 2 4 7 9 (Right)

How many unique numbers in the series are less than 5 (each number counted only once, regardless of repetitions)?

- A. Four
- B. Two
- C. Three
- D. One

**Q78 General Intelligence & Reasoning**

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- A. OL-NK
- B. XU-WT
- C. MJ-LI
- D. HE-FF

**Q79 General Intelligence & Reasoning**

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(25, 37, 53)
(40, 52, 68)

- A. (26, 38, 54)
- B. (39, 27, 43)
- C. (32, 44, 28)
- D. (9, 21, 33)



Q80 General Intelligence & Reasoning

What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$96 + 15 \div 5 - 154 \times 14 = ?$$

A. 29

B. 30

C. 32



D. 34

General Awareness

20 Questions • Answer Key

Q81 General Awareness

Which Constitutional Articles did earlier Supreme Court judgements connect manual scavenging to, as a violation in February 2025?

A. Articles 12 and 20

B. Articles 17 and 21



C. Articles 15 and 16

D. Articles 22 and 32

Q82 General Awareness

In which forest region of Kerala were seven new moth species recorded for the first time in 2025 by a team of entomologists?

A. Silent Valley

B. Wayanad Wildlife Sanctuary

C. Periyar Tiger Reserve

D. Ranipuram forest

**Q83 General Awareness**

In which district of Arunachal Pradesh did the Union Sports Minister Mansukh Mandaviya inaugurate a new multi-purpose Khelo India Hall in May 2025?

A. Papum Pare District

B. Kamle District



C. East Siang District

D. Lower Subansiri District

Q84 General Awareness

In March 2025, the Ministry of Environment, Forest and Climate Change conducted a national-level workshop on the National Adaptation Plan on Climate Change at _____.

A. Lucknow

B. Bengaluru

C. New Delhi



D. Mumbai

Q85 General Awareness

Who was recently appointed as the Chairperson of the Athletics Federation of India (AFI) Athletes Commission in January 2025?

A. Neeraj Chopra

B. Anju Bobby George



C. PT Usha

D. Saurav Ganguly

Q86 General Awareness

Which of the following is a drone-launched precision-guided missile successfully test-fired by the Defence Research and Development Organisation (DRDO) at a test range in Andhra Pradesh in July 2025?

A. Agni-P

B. ULPGM-V3



C. Nirbhay-V3

D. Astra Mk-II



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Q87 General Awareness

In January 2025, which of the following expanded its Sandbox Framework to support innovation in the insurance sector?

- A. Securities and Exchange Board of India (SEBI)
- B. Insurance Regulatory and Development Authority of India (IRDAI) ✓
- C. Reserve Bank of India (RBI)
- D. Ministry of Corporate Affairs (MCA)

Q88 General Awareness

Who set a new world record in the men's 89 kg weightlifting category by lifting 224 kg in the clean and jerk at the 2024 Olympics?

- A. Simon Martirosyan
- B. Li Fabin
- C. Akbar Djuraev
- D. Karlos Nasar ✓

Q89 General Awareness

Which Canadian province held the G7 Summit in June 2025?

- A. Saskatchewan
- B. Ontario
- C. Alberta ✓
- D. British Columbia

Q90 General Awareness

In November 2025, the Commission for Air Quality Management (CAQM) implemented Stage-II of the Graded Response Action Plan (GRAP) across Delhi-NCR. Which air quality category and AQI range did this stage correspond to?

- A. Poor (AQI 201–300)
- B. Severe+ (AQI 451 and above)
- C. Severe (AQI 401–450)
- D. Very Poor (AQI 301–400) ✓

Q91 General Awareness

Which institution's researchers developed smart peptides for pH-responsive medical applications in June 2025?

- A. BITS Pilani
- B. IIT Delhi
- C. BIT Mesra ✓
- D. IIT Guwahati

Q92 General Awareness

As per Union Budget 2025-26, under the new income tax regime, what is the tax-exempt income threshold?

- A. ₹10 lakh
- B. ₹13 lakh
- C. ₹12 lakh ✓
- D. ₹15 lakh

Q93 General Awareness

In April 2024, the Indian Space Research Organisation's (ISRO) Chairman, S Somanath, made a declaration to achieve debris-free space missions by the year ____.

- A. 2035
- B. 2032
- C. 2030 ✓
- D. 2028

Q94 General Awareness

In November 2025, which key labour benefit was ensured for beedi and cigar workers under new labour reforms?

- A. Worker Welfare Act
- B. Employment Safety Code
- C. Minimum Wage Guarantee ✓
- D. Labour Protection Scheme

Q95 General Awareness

'Gyan Seepiyan: Pearls of Wisdom', launched at the Jaipur Literature Festival in January 2025, is written by which author?

- A. Harsha Dehejia
- B. Sudha Murthy
- C. Javed Akhtar ✓
- D. Benoy K Behl

Q96 General Awareness

Which first-time MP from Thane was named a Sansad Ratna Award recipient in 2025?

- A. Naresh Mhaske ✓
- B. Rahul Shewale
- C. Arvind Sawant
- D. Dr. Varsha Gaikwad



Q97 General Awareness

Where in Andhra Pradesh was the Rajiv Sports Complex, developed by Greater Visakhapatnam Municipal Corporation (GVMC), inaugurated in June 2025?

A. Gajuwaka



B. Kollam

C. Dwaraka Nagar

D. Uttam Nagar

Q98 General Awareness

Which organization collaborated with CBSE to launch the National Automobile Olympiad, 2025?

A. Automotive Skills Development Council



B. Skill India Mission

C. National Skill Development Corporation

D. NITI Aayog

Q99 General Awareness

Which of the following organization's main purpose is collective defence, meaning an attack on one member is considered an attack on all?

A. North Atlantic Treaty Organization (NATO)



B. World Trade Organization (WTO)

C. World Health Organization (WHO)

D. United Nations Educational, Scientific and Cultural Organization (UNESCO)

Q100 General Awareness

In November 2025, which of the following government bodies expressed serious concern over Delhi's deteriorating air quality, stating that even wearing masks had become ineffective?

A. Supreme Court of India



B. Ministry of Health and Family Welfare

C. Ministry of Home Affairs

D. Delhi High Court



General Science

25 Questions • Answer Key

Q1 General Science

Which category of sound frequency is used by rhinoceroses, whales, and elephants for communication?

- A. Ultrasound
- B. Audible sound
- C. Infrasound
- D. Supersonic sound



Q2 General Science

Which of the following statement(s) is /are true about the image formed by a concave mirror?

(i) A concave mirror always forms a real and inverted image whatever be the position of the object.
(ii) A concave mirror forms a real, inverted and diminished image when the object is placed between the focus and centre of curvature of the mirror.
(iii) A concave mirror forms a real, inverted and point sized image at its focus when the object is placed at infinity.

- A. Only (i)
- B. Both (ii) and (iii)
- C. Both (i) and (ii)
- D. Only (iii)



Q3 General Science

What can be said about the shape of a velocity-time graph for an object moving with non-uniform acceleration?

- A. It is always a horizontal line.
- B. It is always a straight line.
- C. It is always a downward sloping line.
- D. It is a curved line.



Q4 General Science

A male patient has low sperm motility. Which glands are most likely to be NOT functioning properly?

- A. Testis and bladder
- B. Thyroxine and Pineal Glands
- C. Pancreas and adrenal glands
- D. Prostate gland and seminal vesicles



Q5 General Science

What does the area under a velocity-time graph represent?

- A. The speed of the object
- B. The acceleration of the object
- C. The displacement of the object during that time interval
- D. The time taken by the object



Q6 General Science

What is a reduction reaction?

- A. Loss of electrons
- B. Gain of electrons
- C. Loss of neutrons
- D. Gain of protons



Q7 General Science

Metals high in the activity series may be extracted by the process of:

- A. only heating
- B. electrolytic reduction
- C. heating with carbon
- D. calcination



Q8 General Science

Which of the following determine the size of an atom?

- A. Nucleus
- B. Electron Clouds
- C. Neutrons
- D. Protons



Q9 General Science

The simple permanent tissue that provides mechanical support and flexibility to plant parts such as stems and tendrils is _____.

- A. parenchyma
- B. xylem
- C. sclerenchyma
- D. collenchyma



Q10 General Science

The epithelial tissue forming the lining of kidney tubules and salivary gland ducts is which of the following?

A. Cuboidal epithelium ✓

B. Columnar epithelium

C. Ciliated epithelium

D. Stratified epithelium

Q11 General Science

Esters are _____ substances.

A. sour-smelling

B. pungent-smelling

C. sweet-smelling ✓

D. bitter-smelling

Q12 General Science

Which property distinguishes a compound from a mixture?

A. Has fixed composition and properties ✓

B. Can exist in any state

C. Is made of more than one substance

D. Is always a solid

Q13 General Science

Why is variation important in sexually reproducing plants?

A. It decreases the genetic diversity within the population.

B. It increases the chances of survival by enabling adaptation to environmental changes. ✓

C. It ensures all offspring are identical to the parent, maintaining uniformity.

D. It limits the adaptability of the species to changing environments.

Q14 General Science

Which among the following statements represents a characteristic of asexual reproduction?

A. Involves two parents

B. Produces genetically diverse offspring

C. Involves only one parent ✓

D. Requires gametes

Q15 General Science

Match the following statements about respiration with their correct features.

a. Aerobic respiration	i. Does not require oxygen
b. Anaerobic respiration	ii. Mitochondria
c. Pyruvate breakdown in the presence of oxygen takes place in the	iii. Cytoplasm
d. Glucose breakdown in the absence of oxygen takes place in the	iv. Requires oxygen

A. a - iv, b - i, c - iii, d - ii

B. a - iv, b - i, c - ii, d - iii ✓

C. a - i, b - iii, c - ii, d - iv

D. a - i, b - iv, c - ii, d - iii

Q16 General Science

Match the following columns.

Column A (Situation)	Column B (Effect)
A. Acid rain	1. Occurs when pH < 5.5 in mouth
B. Indigestion	2. Antacids neutralise excess acid
C. Tooth decay	3. pH < 5.6 harms aquatic life
D. Bee sting	4. Neutralised by baking soda

A. A-2; B-4; C-1; D-3

B. A-1; B-2; C-3; D-4

C. A-4; B-3; C-2; D-1

D. A-3; B-2; C-1; D-4 ✓



Q17 General Science

What is the primary safety function of the green insulated earth wire in a domestic circuit, particularly for metallic appliances?

- A. To stabilise the voltage at 220 V
- B. To provide a high-resistance path to divert excess current into the ground
- C. To act as the neutral wire when the black wire fails
- D. To provide a low-resistance path to ensure leakage current keeps the appliance potential to that of the earth, preventing severe shocks ✓

Q18 General Science

According to Bohr-Bury, what is the maximum number of electrons that the M-shell can accommodate?

- A. 8
- B. 18 ✓
- C. 2
- D. 20

Q19 General Science

A ray of light strikes a plane mirror at an angle of 30° with the normal. The angle between the incident ray and the reflected ray is:

- A. 60° ✓
- B. 90°
- C. 30°
- D. 120°

Q20 General Science

In what way is tendril movement similar to other tropic movements in plants?

- A. It always occurs during night.
- B. It involves directional growth in response to a stimulus. ✓
- C. It is based on internal water.
- D. It is random and sudden pressure only.

Q21 General Science

Why are autotrophs placed at the first trophic level in a food chain?

- A. Because they consume organic waste materials
- B. Because they feed on herbivores
- C. Because they manufacture food from inorganic substances ✓
- D. Because they decompose dead organisms

Q22 General Science

Which of the following is an example of a physical change during the formation of a solution?

- A. Dissolution of salt in water ✓
- B. Digestion of food in the stomach
- C. Curdling of milk when lemon juice is added to it
- D. Rusting of iron in salt solution

Q23 General Science

A stone is thrown vertically upward with an initial velocity of 49 m/s. Calculate the maximum height it reaches before momentarily stopping. (Take $g = 9.8 \text{ m/s}^2$).

- A. 245 m
- B. 49 m
- C. 9.8 m
- D. 122.5 m ✓

Q24 General Science

The energy stored in an object due to its position or configuration is called:

- A. sound energy
- B. kinetic energy
- C. potential energy ✓
- D. thermal energy

Q25 General Science

A 7 V battery is connected in series with five resistors: 0.1Ω , 0.4Ω , 0.5Ω , 0.6Ω and 12.4Ω . What is the current flowing through the 12.4Ω resistor?

- A. 1 A
- B. 2 A
- C. 0.75 A
- D. 0.5 A ✓



Q26 Mathematics

In $\triangle ABC$, $BD \perp AC$ at D and $\angle DBC = 21^\circ$. E is a point on BC such that $\angle CAE = 27^\circ$. What is the measure of $\angle AEB$?

A. 81° B. 96° ✓C. 97° D. 104° **Q27 Mathematics**

A retailer offers the following discount schemes for buyers on an article.

- I. Two successive discounts of 14%.
- II. A discount of 22% followed by a discount of 29%.
- III. Successive discounts of 22% and 7%.
- IV. A discount of 14% followed by a discount of 6%.

Which scheme will fetch the maximum selling price?

A. III

B. II

C. I

D. IV ✓

Q28 Mathematics

Eight years ago, the ratio of Aman's age to Riya's age was 4 : 3. Eight years from now, the ratio of their ages will be 5 : 4. What is Aman's present age?

A. 72 years ✓

B. 76 years

C. 70 years

D. 56 years

Q29 Mathematics

A person allows a 10% discount for cash payment from the marked price of a toy and still he makes a 10% gain. What is the cost price of the toy which is marked at ₹880?

A. ₹720 ✓

B. ₹420

C. ₹520

D. ₹620

Q30 Mathematics

In an election, 60% of the total voters cast their votes. Out of these, 75% voted for candidate A and the remaining voted for candidate B. If candidate B received 7500 votes, calculate the total number of registered voters.

A. 45,000

B. 40,000

C. 50,000 ✓

D. 60,000

Q31 Mathematics

A man receives ₹1,890 per month as salary. He saves 30% of his salary every month. His expenditure per month is:

A. ₹1,336

B. ₹1,269

C. ₹1,418

D. ₹1,323 ✓

Q32 Mathematics

If three-fifths of a number is 4 more than one-half of the number, what is the number?

A. 35

B. 40 ✓

C. 30

D. 45

Q33 Mathematics

The surface area of a sphere is 144π square units. What is the radius of the sphere?

A. 10 units

B. 5 units

C. 6 units ✓

D. 8 units

Q34 Mathematics

Two trains A and B of lengths 496 m and 490 m are running at speeds of 12 m/s and 22 m/s, respectively, towards each other on parallel tracks. In how much time will they cross each other?

A. 22 seconds

B. 26 seconds

C. 29 seconds ✓

D. 30 seconds



Q35 Mathematics

A car travels for 70 km at a speed of 60 km/hr, then for another 80 km at a speed of 80 km/hr, and finally for 50 km at a speed of 40 km/hr. What is the average speed of the entire journey? (Round off the answer to 2 decimal places)

A. 58.54 km/hr



B. 55.63 km/hr

C. 50.45 km/hr

D. 65.75 km/hr

Q36 Mathematics

If 63 is the mean proportion between x and 147, what is the value of x ?

A. 28

B. 29

C. 27



D. 25

Q37 Mathematics

Find the simple interest (in ₹) on ₹2,000 at 7% per annum rate of interest for the period from 9 February 2023 to 23 April 2023.

A. 26

B. 29

C. 28



D. 27

Q38 Mathematics

A person saves 60% of his income. If his expenditure is ₹560, then his income (in ₹) is:

A. 1,440

B. 1,336

C. 1,224

D. 1,400

**Q39 Mathematics**

If the HCF of two numbers is 12 and their product is 2160, what is the LCM of the two numbers?

A. 180



B. 190

C. 200

D. 184

Q40 Mathematics

The number of prime numbers between 469 and 474 is:

A. 2

B. 3

C. 0



D. 1

Q41 Mathematics

P and Q together can fill a cistern with water in 15 hours. If P alone can fill the cistern with water in 24 hours, then in how many hours will Q alone fill one-fourth of the same cistern with water?

A. 20

B. 10



C. 11

D. 21

Q42 Mathematics

An item is sold for ₹7,200 after two successive discounts of 36% and 10%. What is the marked price (in ₹) of the item?

A. 12,500



B. 12,594

C. 12,596

D. 12,561

Q43 Mathematics

The arithmetic mean of the observations 47, 71, 82, 59, 22, 43, 46, 96 and 56 is:

A. 64

B. 58



C. 66

D. 60

Q44 Mathematics

What is the difference between the average of prime numbers between 60 and 70 and the average of multiples of 4 between 50 and 58?

A. 11

B. 10



C. 1

D. 9



Q45 Mathematics

A spherical metallic ball of density 3.5 gram/cm³ has total mass 3.168 kg. Find the cost of painting the ball at the rate of ₹5.6 per cm².

$\left(\text{Use } \pi = \frac{22}{7}, \text{ Volume} = \frac{\text{Mass}}{\text{Density}} \right)$

A. ₹2,534.40



B. ₹2,830.60

C. ₹3,235.20

D. ₹3,534.70

Q46 Mathematics

If $a + \frac{1}{a} = 6$, then find the value of $a^2 + \frac{1}{a^2}$.

A. 38

B. 36

C. 34



D. 40

Q47 Mathematics

$$4\frac{4}{31} - 6\frac{3}{31} + 5\frac{2}{21} - 8\frac{1}{21}$$

A. $4\frac{4}{31}$



B. $8\frac{1}{21}$

C. $6\frac{3}{31}$

D. $5\frac{2}{21}$

Q48 Mathematics

If 241 bananas were distributed among three monkeys, respectively, in the ratio $\frac{7}{9} : \frac{3}{2} : \frac{2}{5}$, how many bananas did the third monkey get?

A. 34

B. 35

C. 36



D. 38



Q49 Mathematics

Find the value of $\frac{2\sqrt{\operatorname{cosec}^2 A - 1} \times \sqrt{1 - \cos^2 A}}{\sqrt{1 + \tan^2 A} \times 3\sqrt{1 - \sin^2 A}}$.

A. $\frac{2\sin A}{3}$

B. $\cos A$

C. $\frac{2}{3}$

D. $\frac{2\cos A}{3}$ ✓

Q50 Mathematics

Simplify: $\sqrt{144 \times 49} + \sqrt{64 \times 25} - \sqrt{100 \times 36}$

A. 64 ✓

B. 48

C. 50

D. 32

General Intelligence & Reasoning

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

Refer to the following series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 3 1 7 1 2 2 9 3 5 8 9 2 4 3 2 4 4 3 5 9 4 3 3 (Right)

How many such even digits are there, each of which is immediately preceded by an even digit and also immediately followed by an even digit?

A. Three

B. Two

C. One ✓

D. Four

Q53 General Intelligence & Reasoning

Six friends — P, Q, R, S, U and V — are sitting around a circular table, facing the centre. P is the immediate neighbour of both Q and R. R is sitting to the immediate left of U. V is sitting second to the left of P. How many people sit between P and S, when counted from the right of S?

A. One

B. None

C. Two ✓

D. Three

Q52 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

16 28 42 58 76 ?

A. 94

B. 90

C. 88

D. 96 ✓



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Q54 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(6, 3, 19)
(4, 3, 13)

A. (3, 7, 22)



B. (5, 8, 40)

C. (5, 4, 16)

D. (8, 3, 26)

Q55 General Intelligence & Reasoning

In a certain code language, 'life offers hope' is coded as 'sc tp gb' and 'hope shapes future' is coded as 'hk mp tp'. How is 'hope' coded in the given language?

A. sc

B. gb

C. hk

D. tp

**Q56 General Intelligence & Reasoning**

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All trees are boats.
No pens are boats.
All combs are trees.

Conclusions:

(I) All combs are boats.
(II) No pens are combs.

A. Only conclusion (II) follows.

B. Neither conclusion (I) nor (II) follows.

C. Only conclusion (I) follows.

D. Both conclusions (I) and (II) follow.

**Q57 General Intelligence & Reasoning**

Seven boxes, B, D, E, P, S, T and W, are kept one over the other but not necessarily in the same order. Only three boxes are kept above B. Only one box is kept between P and B. Only three boxes are kept between P and T. T is kept at some place above B. D is kept immediately below T. E is kept at one of the places above S. W is not kept immediately above or below P. How many boxes are kept between S and D?

A. One

B. Four

C. Two

D. Three

**Q58 General Intelligence & Reasoning**

What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$6 \div 3 + 16 \times 4 - 9 = ? + 5$$

A. 26

B. 24

C. 30

D. 28

**Q59 General Intelligence & Reasoning**

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 4 9 4 8 3 3 3 1 4 7 8 7 1 7 2 9 1 3 5 1 5 9 6 4 8 4 6
(Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

A. 7

B. 10

C. 8



D. 9



Q60 General Intelligence & Reasoning

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

ADE : FIJ

MDG : RIL

A. VTE : ODR

B. UFL : ZKQ

C. BTS : YDR

D. ZOT : GRS

Q61 General Intelligence & Reasoning

In a certain code language,

'A + B' means 'A is the son of B',

'A - B' means 'A is the father of B',

'A × B' means 'A is the brother of B' and

'A ÷ B' means 'A is the daughter of B'.

How is P related to R if 'P + Q × S ÷ T - R'?

A. Brother's son

B. Daughter's son

C. Sister's son

D. Mother's brother

Q62 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

CRB ZOY WLW TIS ?

A. QFP

B. QPF

C. QFO

D. QFR

Q63 General Intelligence & Reasoning

If 1 is added to each even digit and 2 is subtracted from each odd digit in the number 2543769, which of the following digits will be second from the left in the new number thus formed?

A. 3

B. 2

C. 1

D. 5

Q64 General Intelligence & Reasoning

In a certain code language, 'speak the truth' is coded as 'pc rd st' and 'truth always wins' is coded as 'mo st kl'. How is 'truth' coded in that language?

A. st

B. pc

C. kl

D. mo

Q65 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

QRP 64 STR 54 UVT 44 WXV 34 ?

A. YAW 24

B. YZX 24

C. YYW 23

D. YGP 23

Q66 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 3 5 6 4 4 6 2 6 5 2 8 2 8 3 6 3 1 4 8 7 3 5 2 7 3 2 3
(Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

A. 3

B. 6

C. 4

D. 5

Q67 General Intelligence & Reasoning

Seven boxes, A, B, C, D, E, F and G, are kept one over the other but not necessarily in the same order. Only two boxes are kept between A and E. Only F is kept above G. No box is kept below E. C is kept at some place below D but at some place above B. How many boxes are kept above D?

A. 3

B. 4

C. 2

D. 1



Q68 General Intelligence & Reasoning

Vishal starts from Point A and drives 10 km towards south. He then takes a right turn, drives 4 km, turns right and drives 12 km. He then takes a right turn and drives 7 km. He takes a final right turn, drives 2 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again?
(All turns are 90 degrees turns only unless specified)

A. 3 km to the west



B. 4 km to the east

C. 3 km to the east

D. 4 km to the west

Q69 General Intelligence & Reasoning

Refer to the given series and answer the question that follows (all numbers are single digit numbers only).
Counting to be done from left to right only.

(Left) 1 9 3 7 9 8 7 7 6 2 9 1 6 2 7 4 8 5 5 6 5 (Right)

How many such odd digits are there each of which is immediately preceded by an odd digit and also immediately followed by a perfect square?

(NOTE: 1 is also a perfect square)

A. 4

B. 3

C. 2

D. 1

**Q70 General Intelligence & Reasoning**

Prashant starts from Point A and drives 32 km towards the south. He then takes a right turn, drives 29 km, turns right and drives 43 km. He then takes a right turn and drives 54 km. He takes a final right turn, drives 11 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again?
(All turns are 90-degree turns only unless specified.)

A. 26 km to the west

B. 27 km to the east

C. 25 km to the west



D. 28 km to the east

Q71 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some peas are dogs.
No dog is a cub.

Conclusions:

(I) Some peas are cubs.
(II) Some dogs are peas.

A. Only conclusion (II) follows.



B. Both conclusions (I) and (II) follow.

C. Only conclusion (I) follows.

D. Neither conclusion (I) nor (II) follows.

Q72 General Intelligence & Reasoning

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

GNL : KSP
OXT : SCX

A. VHD : ZKH

B. WHB : AMF



C. NLV : SPA

D. QLY : VPB

Q73 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. JLP

B. TVZ

C. NPV



D. LNR



Q74 General Intelligence & Reasoning

A, B, C, D, E and F are sitting around a circular table facing the centre. B sits third to the right of F. D sits second to the left of C. A sits third to the right of C. E sits to the immediate left of B. How many people sit between E and A when counted from the left of A?

- A. Two
- B. Four
- C. None
- D. One

**Q75 General Intelligence & Reasoning**

Which number should come in place of the question mark (?) to make the series logically complete?

527 524 529 522 531 ?

- A. 525
- B. 521
- C. 520
- D. 515

**Q76 General Intelligence & Reasoning**

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- A. DFA
- B. MOJ
- C. JLP
- D. FHC

**Q77 General Intelligence & Reasoning**

YUTU is related to XTST in a certain way based on the English alphabetical order. In the same way, FBAB is related to EAZA. To which of the given options is GCBC related, following the same logic?

- A. FBZB
- B. FBAB
- C. FCZG
- D. FAZB

**Q78 General Intelligence & Reasoning**

Five people, L, M, N, O and P, are sitting in a row, facing towards the north.

N is sitting at third position from the extreme right end of the row. M is not an immediate neighbour of N. P is sitting to the immediate left to N. P is sitting immediate right to O. Who is sitting between N and M?

- A. N
- B. P
- C. O
- D. L

**Q79 General Intelligence & Reasoning**

Each of the digits in the number 78352416 is arranged in descending order from left to right. What will be the product of the digits that are third from the left and second from the right in the new number thus formed?

- A. 12
- B. 16
- C. 18
- D. 24

**Q80 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

1 2 8 16 64 ?

- A. 128
- B. 132
- C. 124
- D. 136



Q81 General Awareness

'Montha,' which made landfall in India in October 2025, was what type of natural phenomenon?

- A. A tropical thunderstorm affecting coastal Gujarat
- B. An extremely severe cyclonic storm over the Kutch region
- C. A deep depression over the Arabian Sea bringing rainfall to southern India
- D. A severe cyclonic storm over the Bay of Bengal ✓

Q82 General Awareness

At which venue did Jyothi Yarraji set a record-breaking performance during the National Games 2025?

- A. Ganga Athletics Ground, Uttarakhand ✓
- B. Sree Kanteerava Stadium, Bengaluru
- C. Nehru Stadium, Chennai
- D. Kalinga Stadium, Odisha

Q83 General Awareness

Which of the following bodies published the GRFC (Global Report on Food Crises), 2025?

- A. Food and Agriculture Organization (FAO)
- B. United Nations Development Programme (UNDP)
- C. World Food Programme alone
- D. Food Security Information Network (FSIN) ✓

Q84 General Awareness

Who among the following won the Chinese Grand Prix, 2025?

- A. Charles Leclerc
- B. Oscar Piastri ✓
- C. Lando Norris
- D. Lewis Hamilton

Q85 General Awareness

In 2025, IDFC FIRST Bank has enabled Unified Payments Interface (UPI) access for Non-Resident Indians (NRIs) in how many countries?

- A. 10
- B. 11
- C. 12 ✓
- D. 13

Q86 General Awareness

What is the primary objective of the large-scale civil defence mock drill named Operation Shield conducted on May 2025?

- A. To enhance readiness against internal insurgencies
- B. To improve the state's emergency readiness and response systems ✓
- C. To simulate response to natural disasters in Himalayan regions
- D. To test the effectiveness of coastal security protocols

Q87 General Awareness

In March 2025, which summit in New Delhi focused on "Partnerships for Accelerating Sustainable Development and Climate Solutions"?

- A. G20 Environment Summit
- B. World Sustainable Development Summit ✓
- C. United Nations Environment Assembly- 5
- D. Conference of the Parties (COP) 30

Q88 General Awareness

Who among the following authored the 2025 book "Rocket Dreams: Musk, Bezos, and the Inside Story of the New, Trillion-Dollar Space Race", which explores the fierce rivalries among billionaires in the modern space race?

- A. Christian Davenport ✓
- B. Ashlee Vance
- C. Neil deGrasse Tyson
- D. Walter Isaacson

Q89 General Awareness

Which former World Bank/IMF economist was appointed as the RBI Deputy Governor in April 2025?

- A. Urjit Patel
- B. Michael Patra
- C. Raghuram Rajan
- D. Poonam Gupta ✓



Q90 General Awareness

What is the name of India's first AI-generated school teacher robot, unveiled by Makerlabs Edutech at a school in Kerala?

A. Iris



B. Vedika

C. Esha

D. Sophia

Q91 General Awareness

Which Union Minister unveiled a new logo of Bharat Sanchar Nigam Limited (BSNL) in October 2024?

A. Jitin Prasada

B. Jyotiraditya M Scindia



C. Amit Shah

D. Giriraj Singh

Q92 General Awareness

Which of the following insurance companies were designated as Domestic Systemically Important Insurers (D-SIIs) for the year 2024–25 by the Insurance Regulatory and Development Authority of India (IRDAI)?

A. LIC, Tata AIG, and Bajaj Allianz

B. HDFC Life, ICICI Lombard, and SBI Life

C. LIC, The New India Assurance, and GIC Re



D. LIC, HDFC ERGO, and Reliance General

Q93 General Awareness

Who was IPL 2025's Most Valuable Player from Mumbai Indians?

A. Rohit Sharma

B. Krunal Pandya

C. Suryakumar Yadav



D. Jasprit Bumrah

Q94 General Awareness

Which country has officially become the first European nation to join the Comprehensive and Progressive Agreement for Trans-Pacific Partnership (CPTPP)?

A. Britain



B. Germany

C. Italy

D. France

Q95 General Awareness

At the 2025 BCCI Naman Awards, who received the Lifetime Achievement Award?

A. Virat Kohli

B. Jasprit Bumrah

C. Smriti Mandhana

D. Sachin Tendulkar

**Q96 General Awareness**

What was the name of the operation launched in May 2025 in response to a terror attack in Pahalgam?

A. Operation Sindoor



B. Operation Abhiman

C. Operation Raksha

D. Operation Vijay

Q97 General Awareness

Which of the following cities served as the venue for the Curtain Raiser of the 18th Urban Mobility India (UMI) Conference and Exhibition 2025, organised by the Ministry of Housing and Urban Affairs (MoHUA)?

A. Gurugram, Haryana



B. Noida, Uttar Pradesh

C. New Delhi, Delhi

D. Jaipur, Rajasthan

Q98 General Awareness

In July 2025, the Ministry of Tribal Affairs partnered with which organisation to support 68 Eklavya Model Residential Schools (EMRS) in Chhattisgarh, benefiting more than 28,000 tribal students?

A. Steel Authority of India Limited

B. Oil and Natural Gas Corporation

C. National Thermal Power Corporation

D. Coal India Limited

**Q99 General Awareness**

Which of the following Union Ministers launched India's National Red List Roadmap in October 2025?

A. Nitin Jairam Gadkari

B. Bhupender Yadav

C. Piyush Goyal

D. Kirti Vardhan Singh



Q100 General Awareness

Which individual from Haryana, a Paralympic gold medallist, was honoured with the Padma Shri in January 2025?

A. Vinod Kumar

B. Mariyappan Thangavelu

C. Harvinder Singh



D. Deepa Malik



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General Science

25 Questions • Answer Key

Q1 General Science

What happens to a substance when it is reduced in a reaction?

- A. It gains electrons ✓
- B. It becomes more reactive
- C. It loses electrons
- D. It loses protons

Q2 General Science

The non-directional movement of plants due to stimulus of sunlight is called:

- A. photonasty ✓
- B. phototropism
- C. thigmotropism
- D. thigmonasty

Q3 General Science

Read the given statements and select the most appropriate option.

Statement 1: When a ball is thrown vertically upward, its velocity decreases at the rate of g .
Statement 2: The acceleration due to gravity acts downward even when the ball moves upward.

- A. Only Statement 1 is correct
- B. Only Statement 2 is correct
- C. Both Statements are incorrect
- D. Both Statements 1 and 2 are correct ✓

Q4 General Science

Consider the following statements and select the correct option.

Statement A: Baking soda is a mild non-corrosive basic salt.
Statement B: It can neutralise acids and relieve stomach acidity.

- A. Statement A is incorrect but B is correct.
- B. Statement A is correct but B is incorrect.
- C. Both statements A and B are correct. ✓
- D. Both statements A and B are incorrect.

Q5 General Science

Which roasting operation shown below burns out sulphur from a sulphide ore?

- A. Oxidising ✓
- B. Chloridising
- C. Smelting
- D. Volatilising

Q6 General Science

Which of the following correctly represents the total number of atoms in one molecule of ammonium sulphate $((\text{NH}_4)_2\text{SO}_4)$?

- A. 14
- B. 15 ✓
- C. 10
- D. 16

Q7 General Science

Why are megaphones, loudhailers and some musical instruments designed with a tube followed by a conical opening?

- A. To direct most of the sound waves forward toward the audience without spreading it ✓
- B. To absorb the sound waves
- C. To spread the sound in all directions
- D. To make the sound quieter

Q8 General Science

The pattern formed by iron filings around a bar magnet demonstrates _____.

- A. electrostatic force
- B. magnetic field lines ✓
- C. gravitational field lines
- D. electric field lines



Q9 General Science

A ray of light parallel to the principal axis, after reflection from a concave mirror, _____.

A. passes through the principal focus ✓

B. remains parallel to the axis

C. passes through the pole

D. passes through the centre of curvature

Q10 General Science

What quantity is measured in cubic centimetres (cm³)?

A. Temperature

B. Pressure

C. Mass

D. Volume ✓

Q11 General Science

The sensation of feeling full after eaten enough is perceived in which part of our body?

A. Fore-brain ✓

B. Heart

C. Mid-brain

D. Buccal cavity

Q12 General Science

Using cracked crockery to grow small plants is an example of _____.

A. Refuse

B. Repurpose ✓

C. Recycle

D. Reuse

Q13 General Science

Which of the following statements is correct about the direction of the magnetic field lines inside a current-carrying solenoid?

A. The magnetic field lines are parallel and along the axis of the solenoid from its north pole to south pole.

B. The magnetic field lines are random inside the solenoid.

C. The magnetic field lines are circular and perpendicular to the axis of the solenoid.

D. The magnetic field lines are parallel and along the axis of the solenoid from its south pole to north pole. ✓

Q14 General Science

In a eukaryotic cell observed under a microscope, the three main components visible are:

A. endoplasmic reticulum, Golgi body and nucleoid

B. capsule, nucleoid and cytoplasm

C. plasma membrane, nucleus and cytoplasm ✓

D. cell wall, ribosome and vacuole

Q15 General Science

A person is prescribed spectacles of +2 D. What type of lens is used in the spectacles?

A. Convex lens ✓

B. Cylindrical lens

C. Concave lens

D. Prism lens

Q16 General Science

If you want to make water evaporate faster, what should you do?

A. Cover the container.

B. Place it in a cool, humid room.

C. Increase the temperature and expose it to a fan. ✓

D. Use a narrow, deep container.

Q17 General Science

When is the work done by a constant force on an object maximum?

A. When the force is in the same direction as the displacement ✓

B. When the force is opposite to the displacement

C. When the force makes an angle of 45° with the displacement

D. When the force is perpendicular to the displacement

Q18 General Science

What happens to the uterus lining if the egg is not fertilised?

A. It breaks down and is discharged through the vagina. ✓

B. It gets absorbed by the body.

C. It becomes thickened.

D. It is unaffected.



Q19 General Science

Which of the following reactions is an example of a reduction reaction?

- A. $2\text{Mg} + \text{O}_2 \rightarrow 2\text{MgO}$
- B. $\text{NaOH} + \text{HCl} \rightarrow \text{NaCl} + \text{H}_2\text{O}$
- C. $\text{CuO} + \text{H}_2 \rightarrow \text{Cu} + \text{H}_2\text{O}$ ✓
- D. $\text{Zn} + \text{H}_2\text{SO}_4 \rightarrow \text{ZnSO}_4 + \text{H}_2$

Q20 General Science

Which of the following best describes fragmentation as a method of asexual reproduction?

- A. The parent body breaks into pieces, and each piece grows into a new organism. ✓
- B. A single cell divides into two identical daughter cells.
- C. The parent organism divides into many cells which develop into spores.
- D. A new organism grows from a bud formed on the parent's body.

Q21 General Science

Cytoplasm is made up of an aqueous ground substance called:

- A. chromoplasm
- B. cytosol ✓
- C. lysosomal fluid
- D. nucleoplasm

Q22 General Science

In which of the following cases is pregnancy least likely to occur?

- A. Egg not released from ovary ✓
- B. Fertilisation happens in the oviduct
- C. Embryo implants in the uterus
- D. Sperm meets egg in the uterus

Q23 General Science

The Rutherford gold foil experiment established the presence of:

- A. Protons
- B. Nucleus ✓
- C. Electrons
- D. Neutrons

Q24 General Science

A car moves with uniform velocity v . Which of the following statements is true about its velocity–time graph?

- A. Slope of graph = displacement
- B. Slope of graph = velocity
- C. Slope of graph = 0 ✓
- D. Graph passes through origin only

Q25 General Science

During non-uniform motion of an object along a straight line _____.

- A. the velocity remains constant with time.
- B. the change in velocity over any time interval is zero.
- C. the change in velocity over any time interval is non zero. ✓
- D. the velocity has same values at different points of the path.

Mathematics

25 Questions • Answer Key

Q26 Mathematics

In quadrilateral PQRS, the bisectors of $\angle R$ and $\angle S$ meet at the point T (inside the quadrilateral) and $\angle STR = 44^\circ$. If the ratio of $\angle P$ to $\angle Q$ is 5 : 6, then what is the difference between the measures of $\angle Q$ and $\angle P$?

- A. 5°
- B. 8° ✓
- C. 13°
- D. 7°

Q27 Mathematics

A garrison of 1209 men has provisions for 24 days. How long (in days) will the provisions last if the garrison is increased by 403 men?

- A. 13
- B. 28
- C. 38
- D. 18 ✓



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Q28 Mathematics

Ravi buys a shirt with a marked price of ₹1,620. He receives two successive discounts of 20% and 10%. Calculate the price Ravi paid for the shirt.

A. ₹1,166.40



B. ₹1,330.50

C. ₹1,288.25

D. ₹1,260.45

Q29 Mathematics

Find the number of bricks required to build a wall 20 m long, 9.9 m high and 30 cm thick, using bricks of size 25 cm × 11 cm × 8 cm, if 10% of the wall volume is filled with cement.

A. 24,300



B. 30,200

C. 25,800

D. 26,500

Q30 Mathematics

The monthly incomes of two friends David and Ashish, are in the ratio 5 : 9, respectively, and each of them saves ₹39,000 every month. If the ratio of their monthly expenditure is 2 : 4, find the monthly income of David (in ₹).

A. 2,73,000

B. 1,96,000

C. 1,95,000



D. 1,94,000

Q31 Mathematics

The amount on a sum of ₹1,200 at 15% per annum compound interest, compounded annually, in 2 years will be:

A. ₹1,846

B. ₹1,587



C. ₹1,725

D. ₹1,646

Q32 Mathematics

The sum of two numbers is 45. One number is 5 more than the other. Find the larger number.

A. 35

B. 25



C. 15

D. 20

Q33 Mathematics

The age of T is 20 years more than the age of R. S's age is 10 years less than the age of P. P's age is half the age of R. The sum of ages of all is 130 years. What is the age of R in years?

A. 30

B. 40



C. 44

D. 36

Q34 Mathematics

Due to water crisis, 40% of the initial population left the village, and 10% of the remaining left the town for pursuing jobs. If presently, 1080 people inhabit the village, what is the ratio of the initial population to the present population?

A. 57:32

B. 50:23

C. 50:27



D. 52:32

Q35 Mathematics

A shopkeeper marks his goods at 40% above the cost price. He then offers a discount of 20% on the marked price. What is his profit percentage?

A. 15%

B. 10%

C. 18%

D. 12%

**Q36 Mathematics**

P and Q together can fill a cistern with water in 9 hours. If P alone can fill the cistern with water in 36 hours, then in how many hours will Q alone fill one-fourth of the same cistern with water?

A. 6

B. 4

C. 3



D. 7



Q37 Mathematics

For 6 innings, a cricketer had an average of 100 runs. In the 7th inning, he scored 235 runs. His average score increased by _____. (Round off the answer to the nearest whole number.)

A. 11

B. 21

C. 19



D. 9

Q38 Mathematics

Find a single discount (approximately) equal to three consecutive discounts of 22%, 8% and 17%.

A. 43.24%

B. 43.38%

C. 42.91%

D. 40.44%

**Q39 Mathematics**

₹1,411 is divided among Pooja, Harsh and Madhur in such a way that if ₹12, ₹23 and ₹43 are deducted from their respective shares, they have money in the ratio 21:16:6. Find the actual share of Harsh.

A. ₹596

B. ₹646

C. ₹519



D. ₹546

Q40 Mathematics

A car travels 187 km in the first hour and 273 km in the second hour. What is the average speed (in km/hr) of the car for the whole journey?

A. 230



B. 223

C. 231

D. 222

Q41 Mathematics

A cistern has a hole at the bottom through which water leaks. A tap can fill the cistern in 9 hours and the hole at the bottom can empty the fully filled cistern in 12 hours. If both the tap and the hole are open, then what will be the time taken to completely fill the empty cistern?

A. 27 hours

B. 33.3 hours

C. 36 hours



D. 29.9 hours

Q42 Mathematics

What is the mode of the following data?

47, 51, 51, 48, 53, 54, 47, 52, 51, 46, 43, 47, 52, 40, 47, 41, 43, 43, 46, 47

A. 48

B. 47



C. 43

D. 51

Q43 Mathematics

The fourth proportional to 20, 15 and 8 is the same as the third proportional to A and 30. What is the value of A?

A. 147

B. 153

C. 148

D. 150

**Q44 Mathematics**

The marked price of a washing machine is ₹62,000. A shopkeeper allows a discount of 73% and gets a profit of 20%. What is the cost price of the washing machine?

A. ₹14,058

B. ₹14,038

C. ₹13,950



D. ₹13,966

Q45 Mathematics

What is the greatest volume container (in litres) that can measure 300 litres, 280 litres and 180 litres.

A. 60

B. 20



C. 120

D. 70



Q46 Mathematics

A ladder 10 metres long leans against a wall making an angle of 60° with the ground. Find the height (in metres) of the wall the ladder reaches.

A. $10\sqrt{2}$

B. $5\sqrt{2}$

C. $5\sqrt{3}$ ✓

D. $10\sqrt{3}$

Q47 Mathematics

The curved surface area and the height of a right circular cylinder are 924 cm^2 and 14 cm, respectively. Find its diameter (in cm).

Use $\pi = \frac{22}{7}$

A. 21 ✓

B. 24

C. 18

D. 20

Q48 Mathematics

A train of length 164 m takes 10 seconds to pass another train, 136 m long, coming from the opposite direction. If the speed of the first train is 82 km/hr, then find the speed of the second train.

A. 19 km/hr

B. 26 km/hr ✓

C. 29 km/hr

D. 34 km/hr

Q49 Mathematics

Simplify the expression: $\frac{3^{(4+x)} \times 9^{(x-4)}}{27^{(x-3)} \times 3^3}$

A. 9 ✓

B. 81

C. 3

D. 27

Q50 Mathematics

The product of two numbers is 96 and their sum is 20. Find the value of the square of their difference.

A. 64

B. 4

C. 36

D. 16 ✓



Q51 General Intelligence & Reasoning

Pooja started from point A. She drove 20 km north, then turned west and drove 15 km. She then turned south and drove 5 km to arrive at point B. In which direction is point B with respect to point A? (All turns are 90-degree turns only, unless specified.)

A. North-west



B. South-west

C. West

D. North-east

Q52 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All radios are microphones.

All radios are speakers.

Conclusions:

(I): Some microphones are speakers.

(II): All speakers are radios.

A. Only conclusion (II) follows

B. Neither conclusion (I) nor (II) follows

C. Both conclusions (I) and (II) follow

D. Only conclusion (I) follows

**Q53** General Intelligence & Reasoning

In a certain code language, 'YARD' is coded as '4579' and 'TOYS' is coded as '2385'. What is the code for 'Y' in the given code language?

A. 5



B. 8

C. 4

D. 7

Q54 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. AWP

B. GCV

C. LHA

D. YUM

**Q55** General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only).

(Left) 6 9 1 2 7 6 6 8 1 8 9 6 7 2 4 1 9 1 2 6 8 2 9 6 3 1 7

(Right)

How many such even numbers are there (from left to right), each of which is immediately preceded by an odd number and also immediately followed by an odd number?

A. 3

B. 4



C. 6

D. 5

Q56 General Intelligence & Reasoning

Select the term from among the given options that can replace the question mark (?) in the following series.

ZDF1, YGH3, XJJ9, WML27, ?

A. WPM79

B. VQM81

C. VPN81



D. WQM79



Q57 General Intelligence & Reasoning

If 'P' stands for '×', 'Q' stands for '÷', 'R' stands for '-' and 'S' stands for '+', what will come in place of the question mark (?) in the following equation?

(24 Q 6) P 15 S (10 Q 2) P 7 R (80 Q 8) P 6 = ?

A. 58

B. 35



C. 49

D. 21

Q58 General Intelligence & Reasoning

Select the pair that follows the same pattern as the one followed by the two pairs given below. Both pairs follow the same pattern.

ILK-ORQ
QTS-WZY

A. CFE-ILK



B. CFE-HLJ

C. CEC-ILK

D. CEC-HKJ

Q59 General Intelligence & Reasoning

In a certain code language, 'do you sing' is coded as 'ln vt df' and 'they sing well' is coded as 'vt mp bo'. How is 'sing' coded in the given language?

(All codes are two-letter codes)

A. mp

B. df

C. vt



D. ln

Q60 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

1 3 7 15 ? 63

A. 31



B. 20

C. 30

D. 26

Q61 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting / multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

9 - 3 - 27

5 - 4 - 20

A. 3 - 12 - 46

B. 8 - 5 - 30

C. 4 - 6 - 10

D. 10 - 5 - 50

**Q62 General Intelligence & Reasoning**

GCKO is related to VRZD in a certain way based on the English alphabetical order. In the same way, OKSW is related to DZHL. To which of the given options is HDLP related, following the same logic?

A. WESQ

B. WSXD

C. WASE

D. WSAE

**Q63 General Intelligence & Reasoning**

Kiran starts from Point Y and drives 35 km towards south. He then takes a left turn, drives 22 km, turns right and drives 39 km. He then takes a left turn and drives 48 km. He takes a left turn, drives 26 km. He then turns right, drives 12 km, turns left and drives 48 km to stop at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again?

(All turns are 90° turns only unless specified.)

A. 78 km towards east

B. 87 km towards east

C. 81 km towards west

D. 82 km towards west



Q64 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

95 83 72 62 53 ?

A. 46

B. 43

C. 45



D. 51

Q65 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. SVO

B. EHA

C. GJC

D. IMK

**Q66 General Intelligence & Reasoning**

Seven boxes D, E, F, U, V, W and X are kept one over the other but not necessarily in the same order. No box is kept above X. Only two boxes are kept between W and V. Only U is kept below E. Only three boxes are kept between E and W. D is not kept immediately above V. How many boxes are kept between F and U?

A. Three

B. One

C. Two



D. Four

Q67 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some burgers are fries.
Some fries are tacos.

Conclusions:

(I) Some burgers are tacos.

(II) All tacos are fries.

A. Only conclusion (I) follows.

B. Neither conclusion (I) nor (II) follows.



C. Only conclusion (II) follows.

D. Both conclusions (I) and (II) follow.

Q68 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

2, 8, 14, 20, 26, ?

A. 32



B. 30

C. 33

D. 34

Q69 General Intelligence & Reasoning

In a code language,

A + B means 'A is the father of B'

A - B means 'A is the mother of B'

A * B means 'A is the sister of B'

A ÷ B means 'A is the brother of B'

Based on the above, how is Q related to P if 'Q + R * S - T ÷ P'?

A. Mother's father



B. Father's brother

C. Father

D. Mother's brother



Q70 General Intelligence & Reasoning

Which of the given letter-number clusters will replace the question mark (?) in the following series to make it logically complete?

USO 48 NLH 39 GEA 30 ZXT 21 ?

A. SQM 12



B. SRL 12

C. SPL 11

D. SWB 11

Q71 General Intelligence & Reasoning

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

JHK : IEG

JUM : IRI

A. QNN : PKJ



B. ETI : DQD

C. EOP : DLK

D. HIJ : GEF

Q72 General Intelligence & Reasoning

Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north.

Only two people sit between G and B. Only D sits to the right of E. Only one person sits between B and E. F sits at some place to the right of C but at some place to the left of A.

How many people sit to the right of C?

A. 4

B. 3

C. 5



D. 2

Q73 General Intelligence & Reasoning

In a row of 37 people facing north, Gayatri is 10th from the right end. If Mayank sits 12th to the left of Gayatri, what is Mayank's position from the left end of the line?

A. 17th

B. 19th

C. 15th

D. 16th

**Q74 General Intelligence & Reasoning**

If '+' means '-', '-' means 'x', 'x' means '÷' and '÷' means '+', then what will come in place of the question mark (?) in the following equation?

$$15 - 8 \div 4 + 40 \times 10 + 10 = ?$$

A. 114

B. 112

C. 108

D. 110

**Q75 General Intelligence & Reasoning**

If 'A' stands for '÷', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark (?) in the following equation?

$$(90 \text{ A } 9) \text{ B } 4 \text{ C } (28 \text{ A } 7) \text{ B } 8 \text{ D } 9 \text{ B } 6 \text{ C } 18 \text{ A } 2 = ?$$

A. 27



B. 42

C. 35

D. 51

Q76 General Intelligence & Reasoning

A, B, C, D, W, X and Y are sitting around a circular table facing the centre of the table. C sits to the immediate left of B. W sits to the immediate left of A. A sits second to the left of X. D sits third to the left of B. Who sits third to the right of Y?

A. C

B. W

C. D



D. A

Q77 General Intelligence & Reasoning

Five people, A, B, C, D and E, are sitting in a row, facing north. D sits third from the left end of the row. E sits fifth from the left end of the row. Only B sits between A and D. Who sits at the extreme left end of the row?

A. E

B. C

C. B

D. A



Q78 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 2 8 3 5 4 6 8 3 2 6 9 7 1 3 8 9 8 2 7 8 5 7 6 9 7 4 4
(Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

A. 4

B. 3

C. 2



D. 1

Q79 General Intelligence & Reasoning

This question is based on the following words.

TOK, THE, HAS, ALL, COW

If in each of the words, each letter is changed to the next letter in the English alphabetical order, how many words thus formed will have no vowel?

A. Three

B. Four

C. Two



D. One

Q80 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only).

(Left) 4 9 2 6 5 1 3 7 8 2 9 4 1 5 7 3 8 2 9 4 6 1 (Right)

How many unique numbers in the series are perfect cubes (each number counted only once, regardless of repetitions)?

A. Two



B. None

C. One

D. Three

General Awareness

20 Questions • Answer Key

Q81 General Awareness

Which of the following rivers was affected by flash floods triggered by torrential rain in Uttarkashi district of Uttarakhand in August 2025?

A. Alaknanda River

B. Bhagirathi River

C. Kheer Ganga River



D. Mandakini River

Q82 General Awareness

Who among the following was posthumously awarded the Rashtriya Vigyan Puraskar 2025 in 'Vigyan Ratna' category?

A. Pavannan

B. Vidya Subramanian

C. Jayant Vishnu Narlikar



D. Prakash Kumar

Q83 General Awareness

Which of the following missiles was successfully fired by the Defence Research and Development Organisation (DRDO) on 24 September 2025 from a rail-mounted mobile launcher in coordination with the Strategic Forces Command?

A. BrahMos Supersonic Cruise Missile

B. Intermediate Range Agni-Prime Missile



C. Akash Surface-to-Air Missile

D. Prithvi-II Ballistic Missile



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Q84 General Awareness

What is the primary objective of the NASA-ISRO Synthetic Aperture Radar (NISAR) satellite launched from the Satish Dhawan Space Centre in Sriharikota in July 2025?

- A. To explore deep space and study distant planetary atmospheres
- B. To improve global internet connectivity through satellite communication
- C. To strengthen military surveillance and border security operations
- D. To enhance global monitoring of climate change and natural disasters ✓

Q85 General Awareness

Which of the following lunar missions became the first to detect over 250 seismic signals from the Moon's south pole, marking a significant advancement in lunar exploration since the Apollo missions?

- A. Artemis I
- B. Chandrayaan-3 ✓
- C. Luna 1
- D. Chang'e 5

Q86 General Awareness

In June 2025, how many enforcement actions did the Reserve Bank of India take across financial institutions?

- A. 253
- B. 153
- C. 453
- D. 353 ✓

Q87 General Awareness

What is the primary objective of India's Chandrayaan-4 mission scheduled for 2027?

- A. To launch the first Indian astronaut into space
- B. To establish a permanent lunar base on the moon
- C. To study Mars' atmosphere in detail
- D. To bring back samples of moon rocks to Earth ✓

Q88 General Awareness

Where was the 11th National Handloom Day celebrated on 7 August 2025, where the President of India presented the Sant Kabir Handloom Awards and National Handloom Awards?

- A. Bharat Mandapam, New Delhi ✓
- B. Vigyan Bhavan, New Delhi
- C. Rashtrapati Bhavan, New Delhi
- D. India Gate Lawns, New Delhi

Q89 General Awareness

Who was appointed as the Chief Minister of Delhi following the 2025 elections?

- A. Manish Sisodia
- B. Atishi Marlena
- C. Arvind Kejriwal
- D. Rekha Gupta ✓

Q90 General Awareness

Which organisation developed the 10-ton vertical planetary mixer, the world's largest for solid propellants, as reported in 2025?

- A. Defence Research and Development Organisation (DRDO)
- B. Hindustan Aeronautics Limited (HAL)
- C. Indian Space Research Organisation (ISRO) ✓
- D. Indian Institute of Science (IISc)

Q91 General Awareness

As per the Sustainable Development Goals — National Indicator Framework Progress Report, 2025, published in June 2025, what percentage of the rural population used improved sources of drinking water during the year 2024–2025?

- A. 98.25%
- B. 97.80%
- C. 95.45%
- D. 99.62% ✓



Q92 General Awareness

What is the title of the 2025 UNICEF report on child nutrition?

A. Feeding Profit: How Food Environments Are Failing Children ✓

B. Growing Well: Global Child Nutrition Index

C. Feeding Futures: Nutrition for Children

D. Nourish the Next: Global Nutrition Review

Q93 General Awareness

Which of the following two main types of support are provided to rural families under the Poverty-Free Village Scheme launched by Rajasthan in July 2025?

A. Housing construction and school education

B. Irrigation infrastructure and farming tools

C. Health insurance coverage and credit loans

D. Cash assistance and employment opportunities ✓

Q94 General Awareness

Which of the following countries ranked 1st in the Global Innovation Index 2025 published by the World Intellectual Property Organization (WIPO)?

A. Switzerland ✓

B. Sweden

C. United States of America

D. Singapore

Q95 General Awareness

Who is the youngest-ever winner of the Carnegie Medal for writing in 2025, for 'Glasgow Boys'?

A. Nigel Slater

B. Charlotte McConaghy

C. Margaret McDonald ✓

D. Banu Mushtaq

Q96 General Awareness

In January 2025, Gujarat Chief Minister Bhupendra Patel inaugurated the Khel Mahakumbh in Rajkot, Gujarat, India. Which edition of the event was it?

A. 1.0

B. 3.0 ✓

C. 4.0

D. 2.0

Q97 General Awareness

In June 2025, Standard & Poor's (S&P) Global Ratings revised India's gross domestic product (GDP) growth forecast for FY26 to ____.

A. 7.0%

B. 6.5% ✓

C. 7.25%

D. 6.75%

Q98 General Awareness

Which Indian-Colombian pair won the men's doubles title at the 2025 Chile Open?

A. Arjun Kadhe and Alejandro Gómez

B. Rithvik Bollipalli and Nicolás Barrientos ✓

C. Rohan Bopanna and Juan Sebastián Cabal

D. Yuki Bhambri and Nicolás Barrientos

Q99 General Awareness

In which city was the 23rd edition of the National Para Athletics Championships, 2025, organised?

A. Bengaluru

B. New Delhi

C. Hyderabad

D. Chennai ✓

Q100 General Awareness

What medal did India win in the women's 10m air pistol event at the ISSF Junior World Cup, 2025?

A. Gold ✓

B. Bronze

C. Silver

D. No medal



General Science

25 Questions • Answer Key

Q1 General Science

The work done by friction on a moving object is usually _____.

- A. zero
- B. negative ✓
- C. positive
- D. both positive and negative

Q2 General Science

Select the correct example of a functional group that DOES NOT represent any double bond in their structure.

- A. Propanone
- B. Propanoic acid
- C. Propanol ✓
- D. Propanal

Q3 General Science

A rainbow is formed in the sky after rain, which is due to _____.

- A. refraction and dispersion of light by raindrops ✓
- B. scattering of light by air
- C. reflection only
- D. absorption of light by water

Q4 General Science

What does a lens with a power of 1 dioptre indicate?

- A. It has a focal length of 100 m.
- B. It has a focal length of 1 metre. ✓
- C. It has a magnification of 1.
- D. It has a focal length of 1 cm.

Q5 General Science

Which phenomenon shows the role of the cell wall in osmosis?

- A. Diffusion of gases through cell membrane
- B. Plasmolysis observed when living plant cells lose water ✓
- C. Exchange of gases through stomata of leaves
- D. Absorption of light by chlorophyll during photosynthesis

Q6 General Science

When an object is placed in a fluid, it feels an upward force called buoyancy. On which factor does the magnitude of this buoyant force depend?

- A. The weight of the object only
- B. The colour of the object
- C. The density of the fluid ✓
- D. The shape of the object

Q7 General Science

The alveoli are surrounded by an extensive network of _____, where the exchange of _____ takes place.

- A. capillaries; gases ✓
- B. bronchi; air
- C. nerves; impulses
- D. muscles; pressure

Q8 General Science

The Law of Constant Proportions applies to the:

- A. Both mixtures and compounds
- B. Pure chemical compounds ✓
- C. Mixtures of substances
- D. Elements

Q9 General Science

A food chain starts from grass → grasshopper → frog → snake → hawk. How much concentration of non-biodegradable pesticides is expected in hawk?

- A. The highest concentration of pesticides ✓
- B. Equal concentration of pesticide as in the frog
- C. The lowest amount of pesticide residue
- D. No pesticide residue at all



Q10 General Science

A current I ampere flows through a metallic wire of resistance $X \Omega$ when a potential difference V volt is applied across its ends. Which of the following is the correct relation between X , I and V ?

A. $X = I + V$

B. $X = I - V$

C. $X = I/V$

D. $X = V/I$ ✓

Q11 General Science

Which of the following crosses will produce all heterozygous offspring in the F1 generation?

A. $Tt \times Tt$

B. $TT \times tt$ ✓

C. $tt \times tt$

D. $TT \times TT$

Q12 General Science

Which of the following methods is used to separate particles from a suspension?

A. Distillation

B. Filtration ✓

C. Evaporation

D. Crystallization

Q13 General Science

Why do we see the flash of lightning before we hear the sound of thunder?

A. Light and sound travel at the same speed

B. Light is brighter than sound

C. Light travels slower than sound

D. Sound travels slower than light ✓

Q14 General Science

Which of the following statements about average speed is INCORRECT?

A. It is change in distance divided by change in velocity. ✓

B. It is measured in m/s.

C. It is total distance divided by total time.

D. It does not depend on the direction of motion.

Q15 General Science

Which of the following statements about momentum is true?

A. The SI unit of momentum is kilogram per second.

B. Momentum is the sum of mass and velocity.

C. Momentum has magnitude only and no direction.

D. Momentum has both magnitude and direction. ✓

Q16 General Science

The forces of attraction between particles are _____ in solids, _____ in liquids, and _____ in gases.

A. maximum, minimum, minimum

B. maximum, intermediate, maximum

C. maximum, minimum, intermediate

D. maximum, intermediate, minimum ✓

Q17 General Science

Plastids are absent in which of the following cells?

A. Leaf cells

B. Stem cells

C. Root cells

D. Muscle cells ✓

Q18 General Science

Which method is used to extract metals such as sodium and aluminium, which are at the top of the reactivity series?

A. Electrolytic reduction of their molten chlorides or oxides ✓

B. Calcination of their carbonate ores

C. Roasting of their sulphide ores

D. Reduction with carbon



Q19 General Science

Match Column A with Column B.

Column A	Column B
A. Acids	1. Produce OH^- ions in water
B. Bases	2. Produce H^+ (or H_3O^+) ions in water
C. Acid + Base	3. Form salt and water (neutralisation)
D. Both conduct electricity	4. Due to presence of ions in solution

A. A-2; B-1; C-4; D-3

B. A-3; B-4; C-1; D-2

C. A-2; B-1; C-3; D-4

D. A-4; B-3; C-2; D-1

Q20 General Science

Which of the following best explains the origin of coal and petroleum?

A. Fossilisation of plants and animals under high temperature and pressure over millions of years

B. Crystallisation of minerals under the seabed

C. Decomposition of volcanic rocks under high pressure

D. Compaction of forest wood under sunlight

Q21 General Science

Select the option that is true regarding the following two statements labelled Assertion (A) and Reason (R).

Assertion (A): Sexual reproduction is essential in plants for maintaining the continuity of the species for many generations.

Reason (R): Sexual reproduction leads to genetic variation that enhances adaptability and evolutionary fitness.

A. Assertion (A) is true, but Reason (R) is false.

B. Both Assertion (A) and Reason (R) are true, and (R) is the correct explanation of Assertion (A).

C. Assertion (A) is false, but Reason (R) is true.

D. Both Assertion (A) and Reason (R) are true but (R) is NOT the correct explanation of Assertion (A).

Q22 General Science

Which part of a flower encloses and shields the developing bud?

A. Sepal

B. Stamen

C. Petal

D. Pistil

Q23 General Science

Which alcohol is commonly used as fuel?

A. Methanol

B. Butanol

C. Propanol

D. Ethanol

Q24 General Science

What is the gap between two neurons called?

A. Synapse

B. Stroma

C. Lumen

D. Intermembrane space

Q25 General Science

Which of the following is NOT a correct expression for electric power (P)?

A. $P = I \times R^2$

B. $P = \frac{V^2}{R}$

C. $P = V \times I$

D. $P = I^2 \times R$



Q26 Mathematics

The sides of a triangle ABC are $AB = 5$ cm, $BC = 6$ cm and $CA = 7$ cm, respectively. Another triangle is formed by joining the mid-points of the sides of the triangle ABC. Find the perimeter of the second triangle in cm.

A. 12

B. 9



C. 18

D. 15

Q27 Mathematics

Find the number of all possible distinct pairs of two coprime integers such that their product is 180.

A. 4



B. 3

C. 2

D. 5

Q28 Mathematics

In a quadrilateral WXYZ, $\angle W = 74^\circ$ and $\angle X = 58^\circ$. The bisectors of $\angle Y$ and $\angle Z$ meet at O. What is the measure of $\angle ZOY$?

A. 60° B. 59° C. 66° D. 68° **Q29 Mathematics**

Successive discounts of 16% and 7% are equivalent to a single discount of:

A. 21.88%



B. 20.45%

C. 20.42%

D. 25.42%

Q30 Mathematics

The price of fuel decreases by 45%, 60% and 55% in three successive months, but increases by 50% in the fourth month. What is the percentage increase/decrease in the price of fuel in the fourth month as compared to its original price?

A. Increases by 91.17%

B. Increases by 82.11%

C. Decreases by 80.63%

D. Decreases by 85.15%

**Q31 Mathematics**

Two banks, A and B, offered loans at 3.5% and 7% per annum, respectively. Salil borrowed an amount of ₹4,80,000 from each bank. Find the positive difference (in ₹) between the amounts of simple interest paid to the two banks by Salil after 4 years.

A. 66,700

B. 68,700

C. 68,200

D. 67,200

**Q32 Mathematics**

A retailer offers the following discount schemes for buyers on an article. Which scheme will be the LEAST beneficial to the customer?

i. A discount of 37%.

ii. A discount of 33% followed by a discount of 43%.

iii. Successive discounts of 46% and 22%.

A. Scheme ii

B. Scheme i



C. Scheme iii

D. Scheme i and Scheme iii

Q33 Mathematics

P and Q together can fill a cistern with water in 12 hours. If P alone can fill the cistern with water in 14 hours, then in how many hours will Q alone fill one-fourth of the same cistern with water?

A. 21



B. 43

C. 22

D. 42



Q34 Mathematics

In a test, B got 50 marks while A got 75 marks, out of 95 maximum marks. What percentage of A's marks was B's marks? (Round off the answer to two decimal places.)

A. 78.95%

B. 150.46%

C. 66.67%



D. 95.27%

Q35 Mathematics

A trader buys some goods for ₹200. If the overhead expenses be 10% of the cost price, then at what price should it be sold to earn 25%?

A. ₹285

B. ₹275



C. ₹280

D. ₹270

Q36 Mathematics

Ten years ago, a father was three times as old as his son. Ten years from now, he will be twice as old as his son. What is the son's present age?

A. 25 years

B. 30 years



C. 40 years

D. 45 years

Q37 Mathematics

A cyclist travels 60 km to a town at a speed of 12 km/hr. Find the time taken by the cyclist.

A. 4 hours

B. 4.5 hours

C. 5.5 hours

D. 5 hours

**Q38 Mathematics**

Find the ratio between the fourth proportional of 1, 3 and 6 to the mean proportional of 12 and 3.

A. 1 : 6

B. 3 : 1



C. 3 : 2

D. 2 : 2

Q39 Mathematics

The arithmetic mean of the observations 95, 45, 85, 45, 51, 85, 84, 66 and 47 is:

A. 69

B. 67



C. 71

D. 59

Q40 Mathematics

The volume (in m^3) of a cuboidal tank with dimensions 34 m $\times$ 10 m $\times$ 26 m is:

A. 8868

B. 8886

C. 8840



D. 8835

Q41 Mathematics

Dileep has some hens and some goats. If the total number of animal heads is 33 and the total number of animal feet is 82, how many goats does Dileep have?

A. 7

B. 5

C. 6

D. 8



Q42 Mathematics

If $\cot \theta = \frac{14}{3}$, then what is the value of $\cos \theta$? ($0^\circ < \theta < 90^\circ$)

A. $\frac{14}{\sqrt{205}}$



B. $\frac{3}{14}$

C. $\frac{1}{7}$

D. $\frac{3}{\sqrt{205}}$

Q43 Mathematics

If $a + b + c = 14$, $ab + bc + ca = 47$ and $abc = 15$, then the value of $a^3 + b^3 + c^3$ is:

A. 802

B. 851

C. 859

D. 815



Q44 Mathematics

Pipe A can fill a cistern in 18 hours, and Pipe B can fill it in 12 hours. However, there is a leakage in the cistern that can empty it in 36 hours. If both pipes and the leakage are active, how long will it take to fill $\frac{1}{3}$ rd part of the cistern?

A. 2 hours

B. 3 hours



C. 4 hours

D. 1 hours

Q45 Mathematics

If $2^{3m} \times 8 = 2^9$ and $3^{2n} \times 9 = 3^6$, then find the value $\frac{m}{n}$.

A. 2

B. 1



C. $\frac{2}{3}$

D. $\frac{3}{2}$



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Q46 Mathematics

If 80% of 50% of $\frac{3}{8}$ of a number is 537, find the number.

A. 5640

B. 3580 

C. 5110

D. 5610

Q47 Mathematics

If 602 bananas were distributed among three monkeys in the ratio $\frac{1}{2} : \frac{1}{3} : \frac{1}{6}$, how many bananas did the first monkey get?

A. 281

B. 301 

C. 271

D. 311

Q48 Mathematics

If the mode of the given data is 22.75, find the cumulative frequency ($x < 9$).

Class Interval	0-7	7-14	14-21	21-28	28-35	35-42
Frequency	1	7	9	11	X	3

A. 28

B. 50

C. 36 

D. 42

Q49 Mathematics

Simplify:

$$36 - 30 + 300.3 - 0.26$$

A. 305

B. 306.3

C. 306.04 

D. 306

Q50 Mathematics

The average speed of a car running at 70 km/hr for 1 hour and 'p' km/hr for $1\frac{1}{2}$ hours is 55 km/hr. Find the value of p (in km/hr).

A. 65

B. 62.5

C. 45 

D. 57.5



Q51 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

HO22 JQ31 LS40 NU49 ?

A. PX59

B. PW58



C. PX58

D. PW59

Q52 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. TW-XA

B. GJ-KN

C. DG-HK

D. HK-KQ

**Q53** General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. UP - OI



B. QL - KF

C. TO - NI

D. VQ - PK

Q54 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

3 9 ? 81 243 729

A. 28

B. 26

C. 27



D. 25

Q55 General Intelligence & Reasoning

Town G is to the north of Town F. Town H is to the east of Town F. Town I is to the north of Town H. Town J is to the east of Town I. Town K is to the east of Town J. What is the position of Town K with respect to Town F?

A. Southeast

B. Northeast



C. North

D. South

Q56 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

157 134 111 88 65 ?

A. 40

B. 44

C. 46

D. 42

**Q57** General Intelligence & Reasoning

Six people, A, B, C, D, E and F, are sitting in a row, facing north. D sits to the immediate left of F. C sits third to the left of B. F is an immediate neighbour of C. E sits second to the right of C. A sits to the immediate left of E. Who sits at the extreme right end of the line?

A. B



B. E

C. A

D. F

Q58 General Intelligence & Reasoning

In a certain code language, 'rat able run' is coded as 'ei bm wx' and 'cap rat ant' is coded as 'bm iy ve'. How is 'rat' coded in the given language?

A. bm



B. wx

C. iy

D. ei



Q59 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some watches are figs.
All ships are kings.
No figs are ships.

Conclusions:

(I): Some kings are not figs.
(II): Some watches are ships.

- A. Neither conclusion (I) nor (II) follows
- B. Only conclusion (II) follows
- C. Only conclusion (I) follows
- D. Both conclusions (I) and (II) follow

Q60 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

NEU RHW VKY ZNA ?

- A. CRB
- B. CQD
- C. DQC
- D. EPD

Q61 General Intelligence & Reasoning

This question is based on the five, three-digit numbers given below.

(Left) 687 652 691 287 286 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

What will be the resultant if the second digit of the highest number is added to the third digit of the lowest number?

- A. 19
- B. 17
- C. 15
- D. 16

Q62 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:

Some rails are cars.
No car is a bus.

Conclusions:

(I) Some rails are bus.
(II) Some cars are rails.

- A. Only conclusion (II) follows.
- B. Only conclusion (I) follows.
- C. Neither conclusion (I) nor (II) follows.
- D. Both conclusions (I) and (II) follow.

Q63 General Intelligence & Reasoning

Seven friends, L, M, N, O, Q, R and S, are sitting in a straight line, facing north. Only three people sit between L and O. No one sits to the right of N. Only one person sits between N and O. M is an immediate neighbour of both Q and L. R sits to the immediate left of O. How many people sit between S and L?

- A. Two
- B. One
- C. Three
- D. Four

Q64 General Intelligence & Reasoning

Seven boxes, D, E, F, U, V, W and X, are kept one over the other but not necessarily in the same order. Only U is kept above D. Only V is kept between D and F. No box is kept below E. Only three boxes are kept between D and W. How many boxes are kept between X and E?

- A. Two
- B. Four
- C. One
- D. Three



Q65 General Intelligence & Reasoning

All 62 people are standing in a row facing north. Shlok is 20th from the right end, while Biplov is 45th from the left end. How many people are there between Shlok and Biplov?

A. 1



B. 2

C. 3

D. 4

Q66 General Intelligence & Reasoning

In a certain code language, 'how are you' is coded as 'pl mk jt' and 'where you are' is coded as 'jt mk sq'. How is 'where' coded in that language?

A. pl

B. mk

C. jt

D. sq

**Q67 General Intelligence & Reasoning**

Nishant starts from point A and drives 45 km towards the north. He then takes a right turn, drives 44 km, turns right and drives 60 km. He then takes a right turn and drives 56 km. He takes a final right turn, drives 15 km and stops at point P. How far (shortest distance) and towards which direction should he drive in order to reach point A again? (All turns are 90-degree turns only unless specified.)

A. 12 km to the east



B. 13 km to the north

C. 10 km to the east

D. 11 km to the west

Q68 General Intelligence & Reasoning

NETI is related to XODS in a certain way based on the English alphabetical order. In the same way, BSHW is related to LCRG. To which of the following options is FWLA related, following the same logic?

A. PGVK



B. PKLO

C. PGBN

D. PVHY

Q69 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(8, 25, 16)

(13, 35, 26)

A. (7, 23, 32)

B. (15, 39, 30)



C. (9, 9, 18)

D. (17, 43, 52)

Q70 General Intelligence & Reasoning

IB 16 is related to ME 13 in a certain way. In the same way, OH 25 is related to SK 22. To which of the following is UN 28 related, following the same logic?

A. YQ 26

B. ZP 25

C. YQ 25



D. ZP 26

Q71 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers only.)

(Left) 4 3 8 6 5 2 6 9 8 3 4 2 3 5 8 7 2 3 9 7 9 3 2 8 7 6
(Right)

How many such even numbers are there, each of which is immediately preceded by an even number and also immediately followed by a prime number?

A. Three



B. More than three

C. Two

D. One



Q72 General Intelligence & Reasoning

Refer to the following number, symbol series and answer the question. Counting to be done from left to right only.

(Left) 7 7 & # 3 3 # 9 1 4 € 4 # # 7 £ \$ 4 © 9 6 (Right)

How many such numbers are there, each of which is immediately preceded by a symbol and also immediately followed by a symbol?

A. 5

B. 3



C. 4

D. 2

Q73 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

8 12 21 37 ? 98

A. 62



B. 66

C. 65

D. 68

Q74 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only).

(Left) 4 3 5 1 2 9 8 9 4 7 7 4 5 4 8 5 6 2 4 7 3 3 4 6 3 7 5 (Right)

How many such odd numbers are there (from left to right), each of which is immediately preceded by an odd number and also immediately followed by an even number?

A. 5

B. 4

C. 3



D. 2

Q75 General Intelligence & Reasoning

What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$59 - 72 \times 8 + (64 \div 4) \times 8 - 16 \div 3 = ?$$

A. 84



B. 68

C. 110

D. 96

Q76 General Intelligence & Reasoning

Six people P, Q, R, S, T and U are sitting around a circular table facing towards the centre of the table.

Exactly two people sit between S and T.

U sits to the immediate left of T.

R is immediate neighbour of S and Q both.

Who is an immediate neighbour of both S and U?

A. T

B. R

C. P



D. Q

Q77 General Intelligence & Reasoning

Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

FO-HQ-KM

HQ-JS-MO

A. IS-LU-OR

B. JS-LU-OR

C. IS-LV-OR

D. JS-LU-OQ

**Q78 General Intelligence & Reasoning**

In a certain code language,

'A + B' means 'A is the mother of B',

'A - B' means 'A is the brother of B',

'A × B' means 'A is the wife of B',

'A % B' means 'A is the father of B' and

'A # B' means 'A is the daughter of B'.

How is K related to G if 'G # E # C + K # P'?

A. Mother's sister



B. Mother's mother

C. Sister's daughter

D. Mother's father

Q79 General Intelligence & Reasoning

If 1 is added to each even digit and 1 is added to each odd digit in the number 612374, what will be the sum of all the odd digits in the new number thus formed?

A. 13

B. 17

C. 19

D. 15



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Q80 General Intelligence & Reasoning

If 2 is added to each odd digit and 3 is subtracted from each even digit in the number 5718436, then what will be the difference between the greatest and smallest digit in the new number thus formed?

A. 6

B. 9

C. 7

D. 8

**General Awareness**

20 Questions • Answer Key

Q81 General Awareness

Which of the following states launched Artificial Intelligence powered cybercrime protection for women and children in June 2025?

A. Gujarat

B. Kerala

C. Odisha

D. Maharashtra

**Q82 General Awareness**

Who was the Guest of Honour at the 18th Pravasi Bharatiya Convention held in Bhubaneswar on 8 January 2025?

A. Dr Dev Pragad



B. Meenakshi Lekhi

C. Sundar Pichai

D. H E Pravind Jugnauth

Q83 General Awareness

Which of the following states has become the third state in India to achieve 'Full Functional Literacy' under the ULLAS scheme, in June 2025?

A. Kerala

B. Mizoram

C. Tripura



D. Goa

Q84 General Awareness

Which of the following was rated as 'Good' by the International Union for Conservation of Nature (IUCN) in its global review of Natural World Heritage Sites in November 2025?

A. Sundarbans National Park

B. Khangchendzonga National Park



C. Nanda Devi and Valley of Flowers National Parks

D. Great Himalayan National Park Conservation Area

Q85 General Awareness

Which individual, celebrated as India's first Paralympic gold medalist, was honoured with the Arjuna Lifetime Achievement Award in January 2025?

A. Mariyappan Thangavelu

B. Devendra Jhajharia

C. Murlikant Petkar



D. Deepa Malik

Q86 General Awareness

Which of the following sports is NOT represented among the 2025 Laureus individual award winners?

A. Surfing

B. Tennis

C. Cricket



D. Gymnastics



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Q87 General Awareness

Which of the following legislations was approved by the Rajya Sabha on 12 August 2025, aiming to recognise national sports organisations and oversee their operations?

A. National Sports Governance Bill, 2025 ✓

B. Sports Regulation and Management Bill, 2025

C. Olympic and Sports Administration Bill, 2025

D. National Sports Promotion Bill, 2025

Q88 General Awareness

International Women's Day, a global day celebrating the social, economic, cultural and political achievements of women, is celebrated on which of the following dates?

A. 16 June

B. 8 March ✓

C. 21 September

D. 20 November

Q89 General Awareness

Who defeated Tanushree Pandey in the final of the World Soft Tennis Championship, 2024, held at Jingshan, China, in November 2024?

A. Yuki Tanaka

B. Chiang Min Yu ✓

C. Liu Wei

D. Kim Soo Jin

Q90 General Awareness

Who was appointed as the Chairman of the Economic Advisory Council to the PM in June 2025?

A. Mahendra Dev ✓

B. Vijay Kelkar

C. Arvind Subramanian

D. Poonam Gupta

Q91 General Awareness

According to the data compiled by the Tea Board of India and reported in March 2025, which country did India surpass to become the second-largest tea exporter in 2024?

A. Vietnam

B. Sri Lanka ✓

C. China

D. Kenya

Q92 General Awareness

Against which team did Australia set the highest successful chase of 356/5 in the 2025 Champions Trophy?

A. Afghanistan

B. England ✓

C. India

D. South Africa

Q93 General Awareness

According to a June 2025 news update, on which date is Dan Brown's new Robert Langdon thriller The Secret of Secrets scheduled for publication?

A. 18 November 2025

B. 25 March 2025

C. 9 September 2025 ✓

D. 13 May 2025

Q94 General Awareness

According to the Finland-based Centre for Research on Energy and Clean Air (CREA), which city in India recorded the highest pollution levels in October 2025, with a monthly PM_{2.5} average of 123 µg/m³?

A. Gurugram

B. Noida

C. Delhi

D. Dharuhera ✓

Q95 General Awareness

In 2025, under which project did Guntur, Andhra Pradesh, deploy over 200 electric autos for door-to-door garbage collection?

A. Clean Cities Mission

B. Smart Cities Mission

C. Sustainable Cities Integrated Pilot Approach ✓

D. National Urban Livelihoods Mission

Q96 General Awareness

Which of these ISRO-led national initiatives, launched in July 2025, exemplifies international scientific collaboration while strengthening India's Earth-observation and monitoring capabilities?

A. GSAT-12

B. NISAR ✓

C. Aditya-L2

D. Gaganyaan



Q97 General Awareness

What was the cause of the warehouse explosion in Gujarat in April 2025?

- A. Short circuit from power gird
- B. Aluminium powder explosion ✓
- C. Chemical fire
- D. Gas leak

Q98 General Awareness

How many Padma Vibhushan awards were given in 2025?

- A. 12
- B. 7 ✓
- C. 10
- D. 5

Q99 General Awareness

In which month was the Economic Survey 2024–25 presented?

- A. February 2025
- B. January 2025 ✓
- C. March 2025
- D. April 2025

Q100 General Awareness

The Constitution (One Hundred and Thirtieth Amendment) Bill introduced in the Lok Sabha on 20 August 2025 allows the removal of a Central or State Minister if detained for how many consecutive days on corruption or serious charges?

- A. 20 days
- B. 15 days
- C. 30 days ✓
- D. 45 days



General Science

25 Questions • Answer Key

Q1 General Science

A sealed packet has a mass of 500 g and a volume of 350 cm³. Given the density of water is 1 g cm⁻³, will the packet float or sink in water, and why?

- A. Float, because its mass is low.
- B. Sink, because its density is greater than water's density. ✓
- C. Sink, because the total volume is high.
- D. Float, because its density is less than water.

Q2 General Science

In galvanisation, which metal is used to coat iron?

- A. Aluminum
- B. Lead
- C. Zinc ✓
- D. Copper

Q3 General Science

Select the correct option regarding the following two statements labelled Assertion (A) and Reason (R).

Assertion (A): Calcium oxide reacts vigorously with water to form calcium hydroxide.

Reason (R): In a combination reaction, two or more substances combine to form one product.

- A. A is true, but R is false.
- B. Both A and R are true, and R is the correct explanation of A. ✓
- C. A is false, but R is true.
- D. Both A and R are true, and R is not the correct explanation of A.

Q4 General Science

Some organisms take in whole food material and break it down inside their bodies. This is called _____ nutrition.

- A. saprophytic
- B. holozoic ✓
- C. parasitic
- D. autotrophic

Q5 General Science

Which of the following processes is a physical change?

- A. Rusting
- B. Crystallisation ✓
- C. Fermentation
- D. Combustion

Q6 General Science

Which of the following is a non-metal?

- A. Zinc
- B. Chlorine ✓
- C. Mercury
- D. Copper

Q7 General Science

Which contraceptive method provides dual protection against pregnancy and most sexually transmitted diseases?

- A. Male condom ✓
- B. Copper -T
- C. Oral contraceptive pills
- D. Surgical methods

Q8 General Science

What does the velocity-time graph look like for an object moving with uniform velocity?

- A. A curved line rising gradually
- B. A straight line parallel to the time axis ✓
- C. A straight line sloping downwards
- D. A straight line sloping upwards

Q9 General Science

Which of the following metals does NOT react with dilute hydrochloric acid under normal conditions?

- A. Aluminium
- B. Copper ✓
- C. Zinc
- D. Iron



Q10 General Science

The number of mitochondria in a cell varies depending on which of the following?

- A. The size of the nucleus
- B. The physiological activity of the cell ✓
- C. The age of the organism
- D. The amount of DNA present in the cell

Q11 General Science

The total resistance of 5 resistors of equal resistance R arranged in a parallel arrangement is _____.

- A. R5
- B. 5/R
- C. R/5 ✓
- D. 5R

Q12 General Science

Which of the following situations demonstrates Newton's Second Law of Motion?

- A. A man standing inside a lift
- B. A book lying still on the table
- C. A satellite moving around Earth
- D. A car speeding up on the road ✓

Q13 General Science

Which of the following phenomena CANNOT be explained without dispersion of light?

- A. Advanced sunrise.
- B. Rainbow formation. ✓
- C. Mirages.
- D. Twinkling of stars.

Q14 General Science

Which of the following relations is correct for expressing power in terms of voltage and resistance?

- A. $P = R/V^2$
- B. $P = I/VR$
- C. $P = V^2/R$ ✓
- D. $P = VR/I$

Q15 General Science

Which of the following is a common category of agents that can cause diseases in poultry fowl?

- A. Sunlight exposure
- B. Vitamins and minerals only
- C. Viruses, bacteria, and fungi ✓
- D. Purely genetic factors

Q16 General Science

Which of the following statements explains why insectivorous plants evolved to trap insects?

- A. To supplement nitrogen and other nutrients ✓
- B. To compete with herbivores for space
- C. To take cellulose from plant tissues
- D. To survive in habitats with low sunlight

Q17 General Science

In the case of a convex lens, under what specific object position is the image formed at 2F (F is the focal length) and has the same size as the object?

- A. At 2F ✓
- B. Beyond 2F
- C. At focus F
- D. At infinity

Q18 General Science

Which of the following contributes directly to forest conservation?

- A. Mining
- B. Urbanization
- C. Social Forestry ✓
- D. Logging

Q19 General Science

A constant force of 'X' N acts on a body such that the body undergoes a displacement of 5 m in the same direction as the force. If the work done due to the force is 500 J, then what is the value of X?

- A. 2500 N
- B. 250 N
- C. 100 N ✓
- D. 1/100 N



Q20 General Science

What happens when a solid is heated continuously?

- A. It shrinks
- B. It evaporates directly
- C. It melts and may later evaporate ✓
- D. It expands and turns into a gas

Q21 General Science

Select the INCORRECT statement regarding variation in plants.

- A. Asexual reproduction is a regular source of variations in a population. ✓
- B. They are produced during sexual reproduction.
- C. They are produced due to inaccuracy in the copying of DNA.
- D. Individuals within a population are unique due to the variations.

Q22 General Science

What will happen to a Hydra if it is cut into multiple pieces?

- A. Each piece will regenerate to form new individuals. ✓
- B. Each piece will reproduce by budding.
- C. All pieces will die immediately.
- D. Only the head part will grow into a complete individual.

Q23 General Science

When the temperature of air increases, the speed of sound waves:

- A. increases ✓
- B. decreases
- C. remains constant
- D. becomes zero

Q24 General Science

Sodium hydroxide is formed by:

- A. Dissolving sodium in ethanol
- B. Passing chlorine through water
- C. Reacting sodium with carbon dioxide
- D. Passing electricity through brine ✓

Q25 General Science

In a neutral solution, red and blue litmus paper will:

- A. both turn green
- B. both remain unchanged ✓
- C. both turn blue
- D. both turn red

Mathematics

25 Questions • Answer Key

Q26 Mathematics

The monthly incomes of two friends Vipul and Vijay, are in the ratio 5 : 8, respectively, and each of them saves ₹84,000 every month. If the ratio of their monthly expenditure is 1 : 4, find the monthly income of Vipul (in ₹).

- A. 1,06,000
- B. 1,47,000
- C. 1,04,000
- D. 1,05,000 ✓

Q27 Mathematics

A cyclist covers a distance of 800 m in 2 minutes. Find the speed (in km/hr) of the cyclist.

- A. 24 ✓
- B. 20
- C. 16
- D. 25

Q28 Mathematics

The expenditure of Sudha is 150% more than her savings. If her expenditure decreases by 7% and savings increase by 21%, then by what percentage does her income increase?

- A. 5%
- B. 1% ✓
- C. 6%
- D. 0.03%

Q29 Mathematics

A solid metallic sphere of radius 9 cm is melted and recast into 27 smaller solid spheres of equal size. Find the surface area of one small sphere.

- A. 36π cm² ✓
- B. 24π cm²
- C. 42π cm²
- D. 48π cm²



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Q30 Mathematics

The mode of a distribution is 21 and the mean is 60. The value of its median is:

- A. 45
- B. 49
- C. 51
- D. 47

**Q31 Mathematics**

An item with a marked price of ₹606 was sold for ₹304. What was the percentage of discount given? (Round off your answer to two decimal places.)

- A. 47.63%
- B. 50.65%
- C. 51.58%
- D. 49.83%

**Q32 Mathematics**

What is the mode of the following data?

53, 47, 53, 48, 53, 53, 40, 41, 50, 50, 55, 48, 54, 49, 49, 51, 46, 45

- A. 48
- B. 40
- C. 53
- D. 47

**Q33 Mathematics**

Find the single equivalent discount (rounded off to two decimal places) for successive discounts of 23%, 11%, and 29%.

- A. 51.34%
- B. 50.12%
- C. 53.72%
- D. 51.85%

**Q34 Mathematics**

₹6,874 is to be divided among three persons X, Y and Z. If the shares of X and Y are in the ratio 5 : 9 and that of Y and Z are in the ratio 9 : 7, what is the share (in ₹) of Y?

- A. 2,946
- B. 2,947
- C. 2,945
- D. 2,948

**Q35 Mathematics**

In quadrilateral PQRS, the bisectors of $\angle R$ and $\angle S$ meet at the point T (inside the quadrilateral) and $\angle STR = 48^\circ$. If the ratio of $\angle P$ to $\angle Q$ is 3 : 5, then what is the difference between the measures of $\angle Q$ and $\angle P$?

- A. 22°
- B. 24°
- C. 27°
- D. 29°

**Q36 Mathematics**

Find the value of $5\sec^2\theta - 5\tan^2\theta$.

- A. 0
- B. 1
- C. -5
- D. 5

**Q37 Mathematics**

'X' can complete the work order in 15 days and 'Y' can complete the same work order in 12 days. With the help of 'F', the three of them finished the work in 5 days. How many days would 'F' take to complete the work alone?

- A. 10 days
- B. 20 days
- C. 15 days
- D. 5 days

**Q38 Mathematics**

A wholesaler bought goods for ₹15,000 and sold them to a retailer at 20% profit. The retailer then sold the goods to customers at 25% profit. What is the final selling price to customers?

- A. ₹22,500
- B. ₹23,000
- C. ₹22,000
- D. ₹23,500

**Q39 Mathematics**

The sum of twin prime numbers is 36. Find the product of the twin prime numbers.

- A. 323
- B. 203
- C. 155
- D. 299



Q40 Mathematics

The sum of two numbers P and Q is 17 and their product is 56. Find the value of $P^2 + Q^2$.

A. 146

B. 158

C. 177



D. 162

Q41 Mathematics

The present age of Ramesh is 3 times that of Mahesh. Five years ago, the ratio of their ages was 4 : 1. What is the present age of Ramesh?

A. 45 years



B. 15 years

C. 30 years

D. 40 years

Q42 Mathematics

A father's current age is three times the age of his son. Five years ago from now, the father's age was four times the age of his son at that time. What are their present ages?

A. 40 years and 13 years

B. 45 years and 15 years



C. 42 years and 14 years

D. 50 years and 17 years

Q43 Mathematics

The amount on a sum of ₹4,900 at 10% per annum compound interest, compounded annually, in 2 years will be:

A. ₹6,509

B. ₹6,684

C. ₹5,988

D. ₹5,929

**Q47 Mathematics**

What is the volume of the largest sphere that can be carved out of a cube of edge 3 cm?

A. $2.5\pi \text{ cm}^3$

B. $4.5\pi \text{ cm}^3$



C. $7.4\pi \text{ cm}^3$

D. $6.5\pi \text{ cm}^3$

Q44 Mathematics

The market prices of paddy and jowar are in the ratio 1 : 3, and a family consumes them in the ratio 5 : 7 by quantity. Find the ratio of expenditure on paddy to that on jowar.

A. 5 : 21



B. 9 : 25

C. 6 : 22

D. 7 : 23

Q45 Mathematics

P and Q together can fill a cistern with water in 7 hours. If P alone can fill the cistern with water in 56 hours, then in how many hours will Q alone fill one-fourth of the same cistern with water?

A. 4

B. 5

C. 3

D. 2

**Q46 Mathematics**

Keshav spends 70% of his income. If he saves ₹18,000, then his income (in ₹) is:

A. 12,600

B. 59,000

C. 60,000



D. 61,000



Q48 Mathematics

What is the Highest Common Factor (HCF) of 252 and 378?

A. 63

B. 126



C. 84

D. 42

Q49 Mathematics

If $(0.04)^2 \div (0.008) \times (0.2)^6 = (0.2)^x$, then find x.

A. 17

B. 6

C. 16

D. 7

**Q50 Mathematics**

Walking at $\frac{5}{6}$ th of his normal speed from his home, Lakshya is 24 minutes late in reaching his office.

The usual time taken by him to cover the distance between his home and his office is:

A. 120 minutes



B. 117 minutes

C. 121 minutes

D. 129 minutes

General Intelligence & Reasoning

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

If 'P' stands for '×', 'Q' stands for '÷', 'R' stands for '-' and 'S' stands for '+', what will come in place of the question mark (?) in the following equation?

17 P 3 S (16 Q 4) P 2 R 13 P 4 S 15 = ?

A. 18

B. 22



C. 40

D. 36

Q52 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(32, 16, 8)

(48, 24, 12)

A. (156, 78, 39)



B. (188, 124, 48)

C. (196, 98, 46)

D. (128, 64, 42)



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Q53 General Intelligence & Reasoning

If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark (?) in the following equation?

$$80 A 4 C 15 B 6 D 9 B 3 C (18 A 6) B 10 = ?$$

A. 150

B. 113



C. 138

D. 129

Q54 General Intelligence & Reasoning

PSOK is related to VYUQ in a certain way based on the English alphabetical order. In the same way, EILJ is related to KORP. To which of the following is MPQT related, following the same logic?

A. SVWY

B. TUWY

C. SVWZ



D. TUVZ

Q55 General Intelligence & Reasoning

What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$76 \times 4 - (80 \div 10) \times 4 + 50 \div 2 = ?$$

A. 128

B. 95

C. 146

D. 119

**Q56 General Intelligence & Reasoning**

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 7 6 6 2 6 3 3 2 3 6 6 3 3 4 2 4 4 5 1 5 4 7 5 4 6 9 8
(Right)

How many such odd numbers are there, each of which is immediately preceded by an even number and also immediately followed by an even number?

A. 1

B. 3

C. 2



D. 4

Q57 General Intelligence & Reasoning

Six people, A, B, C, D, E and F, are sitting in a row, facing north. A sits to the immediate right of E. F sits fourth to the left of E. Only one person sits between B and E. C sits to the immediate left of B. D sits second to the left of A. Three of the following four are alike in a certain way based on the given arrangement and thus form a group. Which is the one that does not belong to that group?

A. DE

B. CB

C. BD

D. FA

**Q58 General Intelligence & Reasoning**

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All cakes are hearts.
Some seats are hearts.
No bats are hearts.

Conclusions:

(I): Some seats are not bats.
(II): No cakes are seats.

A. Only conclusion (I) follows



B. Only conclusion (II) follows

C. Neither conclusion (I) nor (II) follows

D. Both conclusions (I) and (II) follow

Q59 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

$$45 \ 58 \ 63 \ 76 \ 81 \ 94 \ ?$$

A. 99



B. 96

C. 93

D. 101



Q60 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All Reds are Blues.
All Blues are Greens.
Some Greens are Yellows.

Conclusions:

(I): All Blues are Yellows.
(II): Some Greens are Reds.

A. Only conclusion (II) is true



B. Only conclusion (I) is true

C. Both conclusions (I) and (II) are true

D. Neither conclusion (I) nor (II) is true

Q61 General Intelligence & Reasoning

Eight people (A, B, C, D, E, F, G and H) are sitting around a circular table, facing towards the centre. Exactly three people sit between D and C. Exactly three people sit between F and H. A sits second to the right of D. E sits to the immediate right of A. D is an immediate neighbour of both H and G. B sits to the immediate left of G. How many people sit between B and H, when counted from the left of H?

A. 3

B. 2



C. 1

D. 4

Q62 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

9012 9013 9011 9014 9010 ?

A. 9014

B. 9016

C. 9013

D. 9015

**Q63 General Intelligence & Reasoning**

John ranked 20th from the bottom and 33rd from the top in his class. How many students are there in his class?

A. 51

B. 53

C. 50

D. 52

**Q64 General Intelligence & Reasoning**

In a certain code language,

A + B means 'A is the mother of B',
A - B means 'A is the brother of B',
A x B means 'A is the wife of B',
A % B means 'A is the father of B' and
A # B means 'A is the daughter of B'.

How is Q related to R if 'R - E % C # Q + V'?

A. Brother's son

B. Brother's daughter

C. Father's brother

D. Brother's wife

**Q65 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

112 92 74 58 44 ?

A. 30

B. 28

C. 32



D. 34

Q66 General Intelligence & Reasoning

STPT is related to RSOS in a certain way based on the English alphabetical order. In the same way, RSOS is related to QRNR. To which of the following is BCYC related, following the same logic?

A. ACWD

B. ABXB



C. AAWB

D. ABWB



Q67 General Intelligence & Reasoning

In a certain code language, 'TOUR' is coded as '4139' and 'BRUT' is coded as '4318'. What is the code for 'B' in that language?

A. 8



B. 1

C. 4

D. 3

Q68 General Intelligence & Reasoning

Refer to the following series and answer the question (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 8 4 6 4 6 1 9 6 7 2 2 2 2 1 5 5 1 6 6 7 2 5 5 (Right)

How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an even digit?

A. None

B. Two



C. Three

D. One

Q69 General Intelligence & Reasoning

Aarav starts from Point A and drives 13 km towards east. He then takes a left turn, drives 8 km, turns left and drives 15 km. He then takes a left turn and drives 11 km. He takes a final left turn, drives 2 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again?

(Note: All turns are 90° turns only unless specified.)

A. 4 km to the north

B. 4 km to the south

C. 3 km to the south

D. 3 km to the north

**Q70 General Intelligence & Reasoning**

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. ILMR



B. TWYC

C. GJLP

D. HKMQ

Q71 General Intelligence & Reasoning

Refer to the given series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 6 6 2 7 2 9 3 2 2 3 7 6 5 8 4 6 1 9 7 9 4 8 3 6 1 2 3 (Right)

How many such even numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

A. 3



B. 4

C. 5

D. 2

Q72 General Intelligence & Reasoning

Seven boxes, B, D, E, P, S, T and W, are kept one over the other, but not necessarily in the same order. No box is kept above P. Only three boxes are kept between P and B. Only one box is kept between D and S. S is kept immediately above B. Only four boxes are kept between D and T. E is kept at some place above W. Which box is kept second below E?

A. B



B. D

C. T

D. S

Q73 General Intelligence & Reasoning

In a certain code language, 'obey the lights' is coded as 'ro hm jw' and 'lights flash red' is coded as 'ld yc hm'. How is 'lights' coded in the given language?

A. hm



B. jw

C. ro

D. ld

Q74 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. MO - KQ

B. RT - PV

C. IK - HJ



D. DF - BH



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Q75 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

SWE `QUC `OSA `MQY `?

- A. KIO
- B. KOW
- C. KOI
- D. KWO

**Q76 General Intelligence & Reasoning**

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 7 4 1 2 4 9 8 5 3 6 1 5 4 6 7 4 8 3 9 6 5 2 3 9 1 4 2
(Right)

How many such odd numbers are there, each of which is immediately preceded by a perfect square and immediately followed by an even number?
(NOTE: 1 is also a perfect square.)

- A. More than three
- B. Three
- C. One
- D. Two

**Q77 General Intelligence & Reasoning**

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

DFC-ACZ
UWT-RTQ

- A. EGD-ADZ
- B. EGD-BDA
- C. EFB-ACZ
- D. EFB-BDA

**Q78 General Intelligence & Reasoning**

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

PRT 28 VXZ 21 BDF 14 HJL 7 ?

- A. NQQ 0
- B. NPR 0
- C. NRW -1
- D. NOQ -1

**Q79 General Intelligence & Reasoning**

In a shopping mall, Shop A is to the north of Shop B. Shop F is to the east of Shop A. Shop E is to the west of Shop F and Shop A is to the east of Shop E. Shop D is to the north of Shop E. What is the position of Shop D with respect to Shop B?

- A. North
- B. North-west
- C. South-west
- D. West

**Q80 General Intelligence & Reasoning**

Six friends — John, Alex, Priyanka, Sameer, Rohit and Neil — are sitting around a circular table facing the centre. John is an immediate neighbour of both Alex and Priyanka. Sameer is sitting second to the left of Priyanka. Neil is sitting to the immediate left of Sameer. Who is sitting to the immediate left of Neil?

- A. Alex
- B. John
- C. Rohit
- D. Priyanka

**General Awareness**

20 Questions • Answer Key

Q81 General Awareness

By how many basis points did the Reserve Bank of India reduce the repo rate in April 2025?

- A. 10 basis points
- B. 50 basis points
- C. 75 basis points
- D. 25 basis points

**Q82 General Awareness**

What is the 2025 Guinness World Record recently set by Nigerian chess master Tunde Onakoya?

- A. Longest single chess move
- B. Most simultaneous chess games
- C. Longest chess marathon
- D. Longest blitz chess game



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Q83 General Awareness

Which of the following best characterises the India-Singapore Ministerial Roundtable (ISMR) framework?

- A. A high-level mechanism to deepen bilateral cooperation across strategic, economic, technological, and people-to-people sectors** ✓
- B. A cultural-exchange mechanism involving arts and heritage institutions only
- C. A platform limited to trade dispute settlement between the two countries
- D. A forum exclusively for defence procurement negotiations

Q84 General Awareness

Which organisations jointly launched multi-agency rescue operations after the Uttarkashi floods in August 2025?

- A. Railways, Navy, CBI
- B. Army, BRO, ITBP, NDRF, SDRF** ✓
- C. NSG, Coast Guard, NCC
- D. ISRO, DRDO, BARC

Q85 General Awareness

_____ is the massive sports talent hunt introduced by Bihar CM Nitish Kumar in May 2025, designed for secondary and higher secondary school students.

- A. Khel Pratibha Khoj Abhiyan
- B. Mashal** ✓
- C. Bihar Sports Samarthan Yojana
- D. Lakshya

Q86 General Awareness

Who received the Padma Vibhushan in 2025 for their contributions to the dance form, Kathak?

- A. Kelucharan Mohapatra
- B. Kumudhini Lakhia** ✓
- C. Birju Maharaj
- D. Shobana Chandrakumar

Q87 General Awareness

A 24-hour wildlife census using the waterhole method, which recorded the sighting of 73 Great Indian Bustards, was conducted in June 2025 in which of the following national parks?

- A. Ranthambore National Park
- B. Kanha National Park
- C. Desert National Park** ✓
- D. Bandhavgarh National Park

Q88 General Awareness

Prof. Syed Wajih Ahmad Naqvi, an outstanding Biogeochemical Oceanographer with national and international recognition, received the 2024 Rashtriya Vigyan Puraskar in which of the following categories?

- A. Vigyan Team (VT) Award
- B. Vigyan Shri (VS) Award** ✓
- C. Vigyan Ratna (VR) Award
- D. Vigyan Yuva-Shanti Swarup Bhatnagar (VY-SSB) Award

Q89 General Awareness

Which Ministry is responsible for the grant increase in national championships for high-priority sports?

- A. Ministry of Education
- B. Ministry of Skill Development and Entrepreneurship
- C. Ministry of Human Resource Development
- D. Ministry of Youth Affairs and Sports** ✓

Q90 General Awareness

What key capability of the Vertically-Launched Short-Range Surface-to-Air Missile (VLSRSAM) was established during its March 2025 flight-test?

- A. Mid-course ballistic target destruction
- B. Long-range high-altitude interception
- C. Underwater deployment capability
- D. Near-boundary low-altitude engagement** ✓



Q91 General Awareness

According to Tamil Nadu's transgender policy (2025), what significant right is explicitly assured?

- A. Horizontal reservation in government jobs
- B. Inheritance rights and access to education and employment ✓
- C. Exclusive pension scheme for all transgender persons
- D. Compulsory housing allotments for transgender households

Q92 General Awareness

Under the proposed Constitution (131st Amendment) Bill 2025, which seeks to include Chandigarh under Article 240, the Union Territory will be aligned with which category of regions?

- A. Union Territories with legislatures
- B. Union Territories governed under special provisions
- C. Union Territories with partial state powers
- D. Union Territories without legislatures ✓

Q93 General Awareness

What is the name given to the mobile application launched by the Government of India in October 2024 for registration of births and deaths, aimed to streamline and reduce the time required for these registrations?

- A. Civil Registration App
- B. Civil Registration System ✓
- C. Central Registration System
- D. Birth and Death Registration System

Q94 General Awareness

Which of the following countries hosted the Kabaddi World Cup, 2025, first time outside Asia?

- A. Italy
- B. England ✓
- C. Tajikistan
- D. Qatar

Q95 General Awareness

What was the approximate monetary loss alleged by the State Bank of India (SBI) in its complaint against Anil Ambani and his company Reliance Communications Ltd, that triggered the Central Bureau of Investigation's (CBI) investigation in August 2025?

- A. ₹10,000 crore
- B. ₹1,900 crore
- C. ₹1,000 crore
- D. ₹3,000 crore ✓

Q96 General Awareness

Which of the following was launched by the Ministry of Women and Child Development during the National Consultation on Gender Budgeting in June 2025?

- A. Beti Bachao Beti Padhao Annual Report 2024
- B. One-Stop Centre scheme for women affected by violence
- C. Gender Budgeting Knowledge Hub portal ✓
- D. National Resource Centre for Women

Q97 General Awareness

In June 2025, which Indian state launched a state-level Clean Air Plan based on airshed scientific analysis?

- A. Assam
- B. Uttar Pradesh ✓
- C. Rajasthan
- D. Bihar

Q98 General Awareness

The Supreme Court declared in October 2025 that the principle of public trust extends to artificial lakes this ruling affirmed the directive of which of the following High Court benches?

- A. Madurai Bench of the Madras High Court
- B. Jaipur Bench of the Rajasthan High Court
- C. Nagpur Bench of the Bombay High Court ✓
- D. Lucknow Bench of the Allahabad High Court



Q99 General Awareness

Lala Lajpat Rai, whose 160th birth anniversary was observed on 28 January 2025, was popularly known by which title?

- A. Netaji
- B. Deshbandhu
- C. Punjab Kesari
- D. Lokmanya Tilak



Q100 General Awareness

The 2025 Wimbledon Championships took place in which city?

- A. Melbourne, Australia
- B. Paris, France
- C. London, UK
- D. New York, USA



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General Science

25 Questions • Answer Key

Q1 General Science

When an acid reacts with a non-carbonated base, what are the typical products formed in a neutralisation reaction?

- A. Only a salt
- B. Salt and water ✓
- C. Only water
- D. Carbon dioxide and water

Q2 General Science

Which of the following statements about neutrons is correct?

- A. They are found in the nucleus of an atom. ✓
- B. They have a positive charge.
- C. They determine the chemical properties of an atom.
- D. They revolve around the nucleus in fixed orbits.

Q3 General Science

Which of the following statements is correct?

- A. Mass and inertia are unrelated.
- B. Inertia of an object increases with its mass. ✓
- C. A lighter body resists change in motion more strongly.
- D. A body with larger mass has less inertia.

Q4 General Science

How are ionic compounds formed between metals and non-metals?

- A. By transfer of electrons from metal atoms to non-metal atoms. ✓
- B. By the formation of a sea of delocalised electrons.
- C. By sharing of electrons between atoms.
- D. By mutual attraction between positively charged nuclei

Q5 General Science

Refer to the two statements given below and choose the correct option.

Statement A: Sodium hydroxide is used in the manufacture of soaps and paper.

Statement B: It is a weak base and neutral in nature.

- A. Both statements A and B are correct.
- B. Statement A is correct but B is incorrect. ✓
- C. Both statements A and B are incorrect.
- D. Statement A is incorrect but B is correct.

Q6 General Science

An object is moving along a straight line with a velocity that is initially positive (+u) and non-zero, but the acceleration is non-uniform and negative, such that the velocity eventually becomes negative (-v). What does the negative final velocity signify?

- A. The object is moving backward relative to its initial direction. ✓
- B. The acceleration became positive at some point.
- C. The object is at rest.
- D. The object has constant but negative acceleration.

Q7 General Science

Which part of the eye is responsible for converting light into electrical signals?

- A. Retina ✓
- B. Lens
- C. Cornea
- D. Iris

Q8 General Science

If the potential difference between two points is V and charge q moves between them, the work done is _____.

- A. $W = V \times q$ ✓
- B. $W = q/V$
- C. $W = V/q$
- D. $W = V^2/q$



Q9 General Science

Which of the following is NOT true about kinetic energy?

- A. It depends on motion.
- B. It depends on direction of motion. ✓
- C. It can never be negative.
- D. It is a scalar quantity.

Q10 General Science

When onion bulbs of different sizes are viewed under a microscope, all show similar rectangular structures. This proves that _____.

- A. only big onions have cells
- B. cork cells are living
- C. cells differ in a onion
- D. all living things are made of cells ✓

Q11 General Science

In a lab, a student sees a large transparent sac filling most of a plant cell. What percentage of the cell's volume does the vacuole occupy?

- A. 50–90% ✓
- B. 100%
- C. 20–30%
- D. 5–15%

Q12 General Science

Which of the following is the phase during which reproductive tissues in humans start maturing?

- A. Puberty ✓
- B. Childhood
- C. Fertilization
- D. Menstruation

Q13 General Science

In multicellular organisms, a lot of variation in the shape and size of cells makes an organism _____.

- A. more efficient with different cells performing different functions ✓
- B. prone to infection and death
- C. less efficient with no division of labour among the cells
- D. perform poorly in adverse conditions

Q14 General Science

In a compound, the elements are combined:

- A. physically
- B. by filtration
- C. chemically ✓
- D. by evaporation

Q15 General Science

What is the primary objective of implementing nutrient management practices in agriculture?

- A. Pouring polluted water on crops
- B. Enhancing soil erosion
- C. Mixing plastic residues into the field
- D. Improving crop productivity and quality ✓

Q16 General Science

What do we call the low-pressure area created when a vibrating object moves backward?

- A. Compression
- B. Wavelength
- C. Rarefaction ✓
- D. Reflection

Q17 General Science

Which of the following is a property of liquids?

- A. Fixed shape but no fixed volume
- B. No fixed shape and no fixed volume
- C. No fixed shape but fixed volume ✓
- D. Fixed shape and fixed volume

Q18 General Science

Which of the following statements is correct about Ohm's Law?

- A. It states that resistance decreases with voltage.
- B. It is valid for semiconductors and electrolytes.
- C. It is valid only for metallic conductors at constant temperature. ✓
- D. It is valid for all conductors at all temperatures.



Q19 General Science

Non-metallic oxides are considered acidic in nature. What is the approximate pH nature of the salt formed when a non-metallic oxide reacts with a strong base?

- A. Acidic
- B. Neutral
- C. Amphoteric
- D. Basic

**Q20 General Science**

Which of the following is a non-biodegradable material?

- A. Plastic bag
- B. Cotton cloth
- C. Paper
- D. Vegetable peel

**Q21 General Science**

What is the chemical formula of aluminium oxide?

- A. AlO_3
- B. Al_2O_3
- C. AlO
- D. Al_2O

**Q22 General Science**

What is the SI unit of universal gravitational constant (G)?

- A. Nm^2/kg^2
- B. N/kg^2
- C. kg/N
- D. Nm/kg

**Q23 General Science**

Which of the following modifications of seeds help in wind dispersal?

- A. Large size
- B. Spiny or hook-like outgrowths
- C. Wing-like or hairy outgrowths
- D. Thick and fibrous coat

**Q24 General Science**

Which flower parts usually shrivel and fall off after fertilisation?

- A. Embryo and cotyledon
- B. Roots and leaves
- C. Petals, sepals, stamens, style and stigma
- D. Ovule and ovary

**Q25 General Science**

What type of image is formed by a convex mirror when the object is placed at infinity?

- A. Same size, real and inverted
- B. Enlarged, virtual and erect
- C. Enlarged, real and inverted
- D. Highly diminished, virtual, erect and point-sized

**Mathematics**

25 Questions • Answer Key

Q26 Mathematics

If 20% of a number is added to 66, then the result is the same number. 80% of the same number is:

- A. 86
- B. 76
- C. 96
- D. 66

**Q27 Mathematics**

The marked price of a painting was ₹6,400, but the shopkeeper offered a double discount in a successive manner of 25% and 12%. Ultimately for how much did he sell the item?

- A. ₹4,161
- B. ₹4,291
- C. ₹4,224
- D. ₹4,320



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Q28 Mathematics

The fourth proportional to 12, a , and $2a$ is 54. What is the positive value of a ?

- A. 17
- B. 20
- C. 19
- D. 18

**Q29 Mathematics**

Rohit goes to a shop to purchase a truck priced at ₹6,900. He is offered 4 discount options by the shopkeeper. Which of these options should he opt for to gain maximum advantage of the discount offered?

- A. Single discount of 14%
- B. Two successive discounts of 14% and 8%
- C. Two successive discounts of 38% and 46%
- D. Two successive discounts of 14% each

**Q30 Mathematics**

Two trains, A and B, of lengths 402 m and 286 m are running at speeds of 6 m/s and 37 m/s, respectively, towards each other on parallel tracks. In how much time will they cross each other?

- A. 16 seconds
- B. 14 seconds
- C. 8 seconds
- D. 21 seconds

**Q31 Mathematics**

The mode and median of a data are 27.5 and 23, respectively. What is the mean of the data? (Use empirical formula.)

- A. 30.7
- B. 26.8
- C. 20.75
- D. 11.95

**Q32 Mathematics**

A, B and C can do a piece of work in 3, 4 and 12 days, respectively. How long (in days) will they take to do twice the same work, working together?

- A. 9
- B. 6
- C. 4
- D. 3

**Q33 Mathematics**

The age of Ajay is 16 years more than that of Vijay. The sum of their ages 6 years ago was 56 years. Find Vijay's present age.

- A. 26 years
- B. 56 years
- C. 18 years
- D. 42 years

**Q34 Mathematics**

The arithmetic mean of the observations 85, 73, 89, 29, 20, 52, 22, 25 and 55 is:

- A. 56
- B. 57
- C. 54
- D. 50

**Q35 Mathematics**

Two banks, A and B, offered loans at 3.5% and 7% per annum, respectively. Gopal borrowed an amount of ₹5,00,000 from each bank. Find the positive difference (in ₹) between the amounts of simple interest paid to the two banks by Gopal after 3 years.

- A. 52,500
- B. 53,500
- C. 54,000
- D. 52,000

**Q36 Mathematics**

A room is one and a half times as long as it is wide. The cost of carpeting the floor at ₹18 per square metre is ₹3,888, and the cost of whitewashing the four walls at ₹9 per square metre is ₹4,320. Find the volume of the room in cubic metres.

- A. 1654
- B. 1782
- C. 1696
- D. 1728



Q37 Mathematics

The price of fuel decreases by 55%, 40% and 15% in three successive months, but increases by 60% in the fourth month. What is the percentage increase/decrease in the price of fuel in the fourth month as compared to its original price?

- A. Increases by 60.37%
- B. Increases by 67.93%
- C. Decreases by 68.69%
- D. Decreases by 63.28%

**Q38 Mathematics**

A person who spends 60% of his monthly income is able to save ₹8,242 per month. His monthly expenses (in ₹) are:

- A. 12,285
- B. 12,268
- C. 12,363
- D. 12,379

**Q39 Mathematics**

A car covers 100 km in the first hour, 150 km in the second hour, and 50 km in the third hour. If it continues at a speed of 60 km/hr for the next 2 hours, what is the average speed for the entire journey?

- A. 86 km/hr
- B. 82 km/hr
- C. 80 km/hr
- D. 84 km/hr

**Q40 Mathematics**

There are some rabbits and parrots in a farmhouse. The total number of animal heads is 180 and the total number of legs is 520. Find the number of rabbits in the farmhouse.

- A. 60
- B. 80
- C. 100
- D. 120

**Q44 Mathematics**

If a four – digit number $34X1$ is divisible by 7, then X^2 is:

- A. 49
- B. 25
- C. 36
- D. 16

**Q41 Mathematics**

Pipes A and B can fill an empty cistern in 46 minutes and 32 minutes, respectively. Both Pipe A and Pipe B are opened together. After how much time should Pipe B be turned off so that the empty cistern is completely filled in a total of 23 minutes?

- A. 16 minutes
- B. 12 minutes
- C. 20 minutes
- D. 10 minutes

**Q42 Mathematics**

Each exterior angle of a regular polygon is 24° . Find the number of diagonals in this polygon.

- A. 90
- B. 70
- C. 60
- D. 80

**Q43 Mathematics**

The salaries of P, Q and R are in the ratio 10:8:2. If the increments of 11%, 20% and 35% are allowed, respectively, in their salaries, then what will be the new ratio of their salaries?

- A. 37:32:9
- B. 37:23:19
- C. 40:39:14
- D. 34:34:15



Q45 Mathematics

If $x = \sqrt{30 + \sqrt{30 + \sqrt{30 + \sqrt{30 + \dots \infty}}}}$ and $y = \sqrt{30 - \sqrt{30 - \sqrt{30 - \sqrt{30 - \dots \infty}}}}$, then what will the remainder be when the product of x and y is divided by 7?

A. 2



B. 4

C. 3

D. 1

Q46 Mathematics

By selling a bicycle for ₹1,425, a shopkeeper gains 14%. If the profit is reduced to 8%, then the selling price will be:

A. ₹1,360

B. ₹1,390

C. ₹1,410

D. ₹1,350

**Q47 Mathematics**

A circle of radius 3 cm is drawn with its centre at one of the vertices of a regular hexagon of side 6 cm. What is the area (in cm^2) of the hexagon which is NOT overlapping with the circle?

A. $54\sqrt{2} + 2\pi$ B. $54\sqrt{3} - 3\pi$ C. $54\sqrt{3} + 3\pi$ D. $54\sqrt{2} - 2\pi$ **Q48 Mathematics**

Simplify the expression: $(7a + 4b)(7a - 4b)$

A. $49a^2 + 16b^2$ B. $21a^2 - 16b^2$ C. $49a^2 - 8b^2$ D. $49a^2 - 16b^2$ **Q49 Mathematics**

What is the fractional value of $3.627272727\dots$?

A. $\frac{351}{99}$ B. $\frac{399}{111}$ C. $\frac{359}{11}$ D. $\frac{399}{110}$ 

Q50 Mathematics

Simplify $\left(\frac{1}{1 - \sin A} + \frac{1}{1 + \sin A}\right) \times \cos^2 A$.

- A. $\sec^2 A$
- B. $2 \cos^2 A$
- C. 2
- D. $2 \sec^2 A$

**General Intelligence & Reasoning**

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

If 1 is added to each even digit and 1 is added to each odd digit in the number 321854, what will be the sum of the first and last digits in the new number thus formed?

- A. 9
- B. 8
- C. 12
- D. 10

**Q52 General Intelligence & Reasoning**

In a certain code language,
 A + B means 'A is the son of B',
 A - B means 'A is the brother of B',
 A x B means 'A is the wife of B',
 and A & B means 'A is the father of B'.

How is K related to V if 'K-T+R&ZxV'?

- A. Wife's father
- B. Wife's brother
- C. Brother
- D. Father

**Q53 General Intelligence & Reasoning**

Nayan starts from Point A and drives 45 km towards the north. He then takes a right turn, drives 37 km, turns right and drives 60 km. He then takes a right turn and drives 56 km. He takes a final right turn, drives 15 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

- A. 20 km to the east
- B. 19 km to the east
- C. 22 km to the west
- D. 21 km to the west

**Q54 General Intelligence & Reasoning**

Rohit starts from Point A and drives 15 km towards west. He then takes a left turn, drives 11 km, turns left and drives 18 km. He then takes a left turn and drives 14 km. He takes a final left turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again?

(Note: All turns are 90° turns only unless specified.)

- A. 4 km to the north
- B. 4 km to the south
- C. 3 km to the north
- D. 3 km to the south

**Q55 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

ARJ KBT ULD EVN ?

- A. OOX
- B. OXS
- C. OFX
- D. OXD

**Q56 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

210 212 209 213 208 ?

- A. 210
- B. 214
- C. 209
- D. 213



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Q57 General Intelligence & Reasoning

If 1 is added to each even digit and 1 is subtracted from each odd digit in the number 542816379, how many digits will appear more than once in the new number thus formed?

A. None



B. One

C. Two

D. Three

Q58 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers only.)

(Left) 2 4 8 4 7 1 5 7 4 3 4 2 8 7 4 3 6 8 5 4 9 1 6 9 3 5 2 4 8
(Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

A. Two

B. More than three

C. Three



D. One

Q59 General Intelligence & Reasoning

In a certain code language, 'SKATE' is coded as '51324' and 'ASKEW' is coded as '47315'. How is 'W' coded in that language?

A. 4

B. 3

C. 7



D. 5

Q60 General Intelligence & Reasoning

Seven boxes, A, B, C, D, E, F and G, are kept one over the other, but not necessarily in the same order. Only three boxes are kept above G. Only one box is kept between B and G. Only three boxes are kept between B and C. C is kept at some place above G. F is kept immediately below C. E is kept at one of the places above D. A is not kept immediately above or below B. How many boxes are kept below E?

A. 3

B. 2



C. 4

D. 1

Q61 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

48 66 83 99 114 ?

A. 127

B. 126

C. 123

D. 128

**Q62 General Intelligence & Reasoning**

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All soaps are oils.

All oils are dispensers.

Some dispensers are towels.

Conclusions:

(I) Some soaps are towels.

(II) Some oils are towels.

A. Neither conclusion (I) nor (II) follows



B. Only conclusion (II) follows

C. Only conclusion (I) follows

D. Both conclusions (I) and (II) follow

Q63 General Intelligence & Reasoning

Seven boxes, D, E, F, U, V, W and X, are kept one over the other, but not necessarily in the same order. D is kept immediately above V. W is kept immediately above F. Only U is kept above E. Only one box is kept between U and D. W is not kept at the third position from the bottom. How many boxes are kept between X and U?

A. Four

B. Three



C. Two

D. One



Q64 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(5, 18, 11)
(9, 26, 19)

A. (25, 58, 50)

B. (7, 22, 15) ✓

C. (8, 24, 31)

D. (10, 12, 5)

Q65 General Intelligence & Reasoning

GWCL is related to PFLU in a certain way based on the English alphabetical order. In the same way, QGMV is related to ZPVE. To which of the given options is RHNW related, following the same logic?

A. AQWF ✓

B. AQWE

C. AQDF

D. QAWE

Q66 General Intelligence & Reasoning

Six people, A, B, C, D, E and F, are sitting in a row, facing north. D sits to the immediate left of F. C sits third to the left of B. F is an immediate neighbour of C. E sits second to the right of C. A sits to the immediate left of E. Who sits at the extreme right end of the row?

A. F

B. E

C. A

D. B ✓

Q67 General Intelligence & Reasoning

Which of the following terms will replace the question mark (?) in the given series to make it logically complete?

EQL 2 GMN 6 IIP 18 KER 54 ?

A. MBS 158

B. MBT 158

C. MAT 162 ✓

D. MAS 168

Q68 General Intelligence & Reasoning

What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$89 \div 8 + 684 \times 6 - 87 = ?$$

A. 692

B. 615

C. 685 ✓

D. 634

Q69 General Intelligence & Reasoning

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

DHL : FKN

QJM : SMO

A. SDK:LGI

B. VTS:SDR

C. MPS:ASY

D. AWN:CZP ✓

Q70 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All tables are golds.

No table is a helmet.

Conclusions:

(I): Some helmets are golds.

(II): All golds are helmets.

A. Both conclusions (I) and (II) follow

B. Only conclusion (I) follows

C. Neither conclusion (I) nor (II) follows ✓

D. Only conclusion (II) follows



Q71 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. PTWZ



B. HLNR

C. NRTX

D. QUWA

Q72 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. FE-DC

B. UT-RT



C. YX-WV

D. BA-ZY

Q73 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 5 5 7 8 2 3 3 2 3 3 9 5 5 7 9 8 5 6 3 5 3 8 3 5 5 8 9
(Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

A. 5



B. 7

C. 6

D. 4

Q74 General Intelligence & Reasoning

Refer to the following series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 1 8 9 1 3 8 3 8 9 9 5 9 6 5 5 1 7 7 4 2 3 1 6 (Right)

How many such even digits are there each of which is immediately preceded by an even digit and also immediately followed by an even digit?

A. Two

B. One

C. Three

D. None

**Q75 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

3 6 ? 144 1152 11520

A. 20

B. 22

C. 28

D. 24

**Q76 General Intelligence & Reasoning**

Seven people, A, B, C, D, E, F and G, are sitting in a straight line, facing the north.

A sits third from the left end of the line. Only one person sits between A and B. Only three people sit between C and B. E sits to the immediate right of C. D sits to the immediate right of G.

How many people sit to the right of F?

A. One

B. Three



C. None

D. Two

Q77 General Intelligence & Reasoning

MKBZ is related to SQHF in a certain way based on the English alphabetical order. In the same way, PDRW is related to VJXC. To which of the given options is UFLQ related, following the same logic?

A. WHNS

B. XIOT

C. ALRW



D. YZPU



Q78 General Intelligence & Reasoning

Six people, A, B, C, D, E and F, are sitting in a row, facing north. A sits to the immediate right of E. B sits fourth to the left of E. Only one person sits between B and F. C sits to the immediate left of F. D sits second to the left of A. Three of the following four are alike in a certain way based on the given arrangement and thus form a group. Which is the one that does NOT belong to that group?

A. CF

B. BA



C. DE

D. FD

Q79 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 9 9 3 9 2 4 4 1 9 1 6 9 4 9 9 6 3 2 6 1 7 9 8 3 9 8 7
(Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

A. 5

B. 3

C. 6

D. 4

**Q80 General Intelligence & Reasoning**

In a certain code language, 'LEMA' is coded as '4753' and 'MALT' is coded as '3479'. What is the code for 'T' in the given code language?

A. 3

B. 9



C. 7

D. 4

General Awareness

20 Questions • Answer Key

Q81 General Awareness

In January 2025, which of the following Indian institutes/universities was selected as SDG Hub 6 (Clean Water & Sanitation) Co-Chair for the 2025–2027 term?

A. Indian Institute of Science, Bangalore

B. Indian Institute of Technology, Madras

C. Jawaharlal Nehru University, New Delhi

D. Shiv Nadar University, Delhi NCR

**Q82 General Awareness**

What was India's unemployment rate in May 2025, according to the Periodic Labour Force Survey (PLFS)?

A. 5.6%



B. 5.1%

C. 7.0%

D. 6.0%

Q83 General Awareness

The Sachet App, promoted in April 2025, was launched by _____.

A. Ministry of Electronics and Information Technology

B. Indian Meteorological Department

C. National Disaster Management Authority



D. National Institution for Transforming India (NITI) Aayog

Q84 General Awareness

Which retired Chief Justice of India was awarded the Padma Vibhushan in 2025 for Public Affairs?

A. Jagdish Singh Khehar



B. HL Dattu

C. Dipak Misra

D. Ranjan Gogoi



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Q85 General Awareness

Where was India's first-ever Astro Tourism Festival successfully held in 2025?

- A. Spiti Valley
- B. Leh, Ladakh
- C. Gulmarg
- D. Kargil

**Q86 General Awareness**

Where was the 71st Senior National Men's Kabaddi Championship 2025 held?

- A. Gachibowli Indoor Stadium, Hyderabad
- B. Jawaharlal Nehru Indoor Stadium, Cuttack
- C. Indira Gandhi Indoor Stadium, Delhi
- D. Kalinga Stadium, Bhubaneswar

**Q87 General Awareness**

In August 2025, who among the following was appointed as the Executive Director at the International Monetary Fund (IMF) for a period of three years?

- A. Krishnamurthy Subramanian
- B. Raghuram Rajan
- C. Shaktikanta Das
- D. Urjit Patel

**Q88 General Awareness**

Which of the following cities served as the venue for the two-day FIBAC banking conference on 'Charting New Frontiers', co-hosted by FICCI and the Indian Banks' Association (IBA) on 25 and 26 August 2025?

- A. Kolkata
- B. Mumbai
- C. Chennai
- D. New Delhi

**Q89 General Awareness**

According to the UNDP Human Development Report 2025 (based on 2023 data), what is India's rank in the Human Development Index (HDI)?

- A. 138
- B. 130
- C. 125
- D. 141

**Q90 General Awareness**

In May 2025, Union Sports Minister Mansukh Mandaviya opened a new multi-purpose Khelo India Hall in Kamle district. In which state is Kamle district located?

- A. Manipur
- B. Assam
- C. Nagaland

D. Arunachal Pradesh

**Q91 General Awareness**

Who won the 'Best FIFA Men's Player' award for the 2024 season at the Best FIFA Football Awards in December 2024?

- A. Erling Haaland
- B. Jude Bellingham
- C. Rodri

D. Vinicius Jr.

**Q92 General Awareness**

Where was the 2025 NATO Summit held on 24–25 June?

- A. Berlin, Germany
- B. Paris, France
- C. Brussels, Belgium

D. The Hague, Netherlands

**Q93 General Awareness**

According to the second edition of the North Eastern Region District SDG Index (2023-24) released in July 2025, which district recorded the highest SDG score in North East India, with a score of 81.43?

A. Kohima

B. Hnaththial



C. Aizawl

D. Gomati

Q94 General Awareness

What did the Supreme Court say about Group A CAPF (Central Armed Police Forces) officers in May 2025?

- A. They are not important.
- B. They cannot get promotions.
- C. They are part of "Unorganised Services".

D. They are part of "Organised Services".



Q95 General Awareness

Which agency is investigating the Mithi River Desilting Scam?

- A. Delhi Police
- B. Central Bureau of Investigation
- C. Mumbai Police
- D. Enforcement Directorate ✓

Q96 General Awareness

Who received the P C Chandra Puraskar 2025 in Kolkata?

- A. Leander Paes ✓
- B. Amjad Ali Khan
- C. Kapil Dev
- D. Mary Kom

Q97 General Awareness

Which of the following agreements did India sign in March 2024 with the European Free Trade Association (EFTA) countries (Iceland, Liechtenstein, Norway, Switzerland) that includes a commitment of US \$100 billion investment over 15 years?

- A. India-EFTA Financial Services Pact
- B. India-EFTA Trade Exchange Agreement
- C. India-EFTA Defence Cooperation Treaty
- D. India-EFTA Trade and Economic Partnership Agreement ✓

Q98 General Awareness

Which of the following agencies operates the Satish Dhawan Space Centre (SDSC), from where the NASA-ISRO Synthetic Aperture Radar (NISAR) mission was launched in July 2025?

- A. Defence Research and Development Organisation (DRDO)
- B. North-Eastern Space Applications Centre (NESAC)
- C. National Remote Sensing Centre (NRSC)
- D. Indian Space Research Organisation (ISRO) ✓

Q99 General Awareness

The Wisden Cricketers' Almanack 2025 named Jasprit Bumrah as the Leading Cricketer of the Year along with:

- A. Harmanpreet Kaur
- B. Smriti Mandhana ✓
- C. Rohit Sharma
- D. Virat Kohli

Q100 General Awareness

In June 2025, which of the following organisations launched NACH 3.0 to enable faster salary and EMI processing?

- A. Reserve Bank of India (RBI)
- B. State Bank of India (SBI)
- C. National Payments Corporation of India (NPCI) ✓
- D. Securities and Exchange Board of India (SEBI)



General Science

25 Questions • Answer Key

Q1 General Science

Which organism is a key indicator of a healthy aquatic ecosystem?

- A. Lichen
- B. Cockroach
- C. Fish
- D. Earthworm



Q2 General Science

Sodium hydroxide is prepared by passing electricity through an aqueous solution of sodium chloride. The process is called:

- A. Chlor-alkali
- B. Hall-Hérout
- C. Dow's
- D. Born Haber



Q3 General Science

Which of the following statements best explains why all atoms of an element are represented by the same symbol?

- A. Because they have identical physical properties
- B. Because they have the same number of neutrons in the nucleus
- C. Because they have the same number of protons in their nucleus
- D. Because their mass numbers are always the same



Q4 General Science

Estimate the concentration of the solution in terms of mass by mass percentage if 50 g of common salt is dissolved in 300 g of water.

- A. 14.28%
- B. 14%
- C. 12%
- D. 12.22%



Q5 General Science

Which process is used for the extraction of aluminium from bauxite?

- A. Roasting followed by reduction
- B. Electrolysis of molten aluminium oxide
- C. Calcination followed by carbon reduction
- D. Displacement by zinc



Q6 General Science

What is the transfer of pollen grain from one flower to another flower called?

- A. Auto pollination
- B. Cross pollination
- C. Autogamy
- D. Self pollination



Q7 General Science

Which of the following chemical equations is correctly balanced?

- A. $2\text{Fe} + 3\text{H}_2\text{O} \rightarrow 2\text{Fe}_3\text{O}_4 + 3\text{H}_2$
- B. $3\text{Fe} + 4\text{H}_2\text{O} \rightarrow \text{Fe}_3\text{O}_4 + 2\text{H}_2$
- C. $\text{Fe} + \text{H}_2\text{O} \rightarrow \text{Fe}_3\text{O}_4 + \text{H}_2$
- D. $3\text{Fe} + 4\text{H}_2\text{O} \rightarrow \text{Fe}_3\text{O}_4 + 4\text{H}_2$



Q8 General Science

If voltage (V) is constant, the power is directly proportional to which of the following?

- A. Resistance
- B. Current
- C. Square of Resistance
- D. Energy



Q9 General Science

Which of the following is a compound that forms a solution when dissolved in water?

- A. Sand
- B. Sodium Chloride
- C. Oil
- D. Iron filings



Q10 General Science

The distance between the optical centre of a lens and its principal focus is called _____.

- A. focal length ✓
- B. radius of curvature
- C. aperture
- D. magnification

Q11 General Science

Which of the following statements is/are NOT true according to the sign convention for spherical lenses?

- (i) All distances parallel to the principal axis are measured from the focus of the lens.
- (ii) All the distances measured to the right of the origin are taken as positive.
- (iii) Distances measured perpendicular to and above the principal axis are taken as negative.
- (iv) The object is always placed to the left of the lens.

- A. Both (ii) and (iii)
- B. Both (i) and (iv)
- C. Both (i) and (iii) ✓
- D. Both (ii) and (iv)

Q12 General Science

Select the correct function of the smooth endoplasmic reticulum.

- A. Carbohydrate synthesis
- B. Lipid synthesis ✓
- C. Nucleic acid synthesis
- D. Protein synthesis

Q13 General Science

Which of the following correctly describes the direction of the magnetic field outside a solenoid?

- A. South pole to North pole
- B. From the ends to the centre
- C. North pole to South pole ✓
- D. From the centre to the ends

Q14 General Science

Meristematic tissues are found only in a specific region. On the basis of position, which is NOT a meristematic tissue type?

- A. Apical
- B. Intercalary
- C. Basal ✓
- D. Lateral

Q15 General Science

Which of the following statements is/are correct regarding the female reproductive system?

Statement A: The egg is carried from the ovary to the womb through a thin oviduct or fallopian tube.
Statement B: The uterus opens into the vagina through the cervix.

- A. Only statement A
- B. Neither statement A nor B
- C. Only statement B
- D. Both statement A and B ✓

Q16 General Science

What advantage does asexual reproduction provide in a stable environment?

- A. Genetic variation
- B. Adaptation to new environment
- C. Sexual diversity
- D. Rapid and identical reproduction ✓

Q17 General Science

Truck and motorbus tyres are designed to be much wider than car tyres, while cutting tools and nails are designed with sharp, small tips. This contrast in design illustrates the principle that _____.

- A. thrust is directly proportional to the area of contact
- B. pressure is inversely proportional to the mass of the object
- C. the same thrust acting on a smaller area exerts a larger pressure ✓
- D. larger thrust always results in lower pressure



Q18 General Science

From the given alternatives, select the correct statement related to garbage from a general household.

- A. Safe disposal of garbage is not mandatory.
- B. Entire garbage is biodegradable.
- C. Garbage contains both biodegradable and non-biodegradable components. ✓
- D. Entire garbage is non-biodegradable.

Q19 General Science

Which of the following best illustrates Newton's Third Law of Motion?

- A. A rocket propelling upward by expelling gases downward. ✓
- B. A car accelerating on a road due to engine power.
- C. A pendulum oscillating back and forth.
- D. A ball falling under gravity.

Q20 General Science

Which of the following devices work on the principle of multiple reflections of sound waves?

- A. Microscope
- B. Stethoscope ✓
- C. Megaphone
- D. Thermometer

Q21 General Science

Can the displacement of an object be greater than the distance travelled?

- A. No, displacement can never be greater than distance ✓
- B. Only when the object moves in a straight line
- C. Yes, sometimes
- D. Yes, always

Q22 General Science

The SI unit of Power is watt (W). As per the relation of work-power, one watt is equivalent to _____.

- A. 1 Joule-second (1 J.s)
- B. A kilowatt-hour (1 kWh)
- C. 1 Joule per second (1 J/s) ✓
- D. 1 Newton per meter (1 N/m)

Q23 General Science

Which of the following hydrocarbons are organic compounds with elements _____?

- A. Carbon
- B. both hydrogen and carbon ✓
- C. Hydrogen
- D. Oxygen

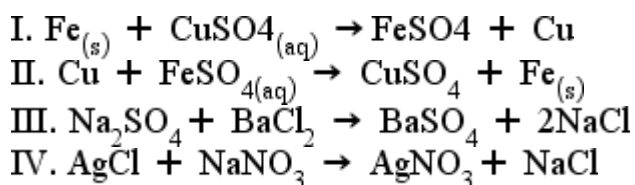
Q24 General Science

Which of the following processes results in the formation of two identical daughter cells?

- A. Cytokinesis without karyokinesis
- B. Meiosis
- C. Mitosis ✓
- D. Fertilisation

Q25 General Science

Which of the following displacement reactions are possible?



- A. I, II, and III only
- B. I and III only ✓
- C. I, III and IV only
- D. II and IV only



Q26 Mathematics

For 7 innings, a cricketer has an average of 90 runs. In the 8th inning, he scores 176 runs. His average score increased by _____. (Round off your answer to the nearest whole number.)

A. 11



B. 7

C. 14

D. 20

Q27 Mathematics

₹13,403 is divided among S, B and C in such a way that if ₹40, ₹83 and ₹68 be deducted from their respective shares, they have money in the ratio 21:11:4. Find the difference between the original shares of B and C.

A. ₹2,584



B. ₹2,719

C. ₹2,669

D. ₹2,519

Q28 Mathematics

Which of the following is the correct model for finding the Highest Common Factor (HCF) of two numbers?

A. Division Model: Divide both numbers by a common number to find the highest factor.

B. Prime Factorization Model: Find the prime factorization of both numbers, then multiply the common prime factors with the lowest powers.



C. Addition Model: Add the two numbers and check the common factors of the sum.

D. Subtraction Model: Subtract both the numbers and check the common factor.

Q29 Mathematics

What is the simple interest on a sum of ₹5,500, if the rate of interest for the first 4 years is 6% per annum and for the last 2 years is 5% per annum?

A. ₹1,870



B. ₹1,750

C. ₹1,660

D. ₹1,920

Q30 Mathematics

Two lines are planned such that the equations representing their paths are: $(k-4)x + 2y = 6$ and $2x + y = 4$. If the lines are to be constructed parallel to each other, what value of k will ensure that?

A. 8



B. 6

C. 7

D. 10

Q31 Mathematics

If third proportional of 75 and Z be 12, then what is the value of Z?

A. 27

B. 28

C. 30



D. 32

Q32 Mathematics

The number 8,33,525 is NOT divisible by:

A. 55

B. 15



C. 25

D. 35

Q33 Mathematics

The price of fuel decreases by 10%, 50% and 10% in three successive months, but increases by 45% in the fourth month. What is the percentage increase/decrease in the price of fuel in the fourth month as compared to its original price? (Round off your answer to two decimal places.)

A. Increases by 46.86%

B. Decreases by 41.28%



C. Increases by 42.91%

D. Decreases by 44.56%



Q34 Mathematics

A dealer allowed a 77% discount on an article and was still able to manage a 49% profit. Find the ratio of the cost price to the listed price.

A. 26 : 152

B. 20 : 150

C. 25 : 154

D. 23 : 149

**Q35 Mathematics**

The average age of 24 students of a class is 17 years. If the age of the teacher is also included, the average age of the whole group becomes 18 years. The age (in years) of the teacher is:

A. 45

B. 43

C. 42



D. 44

Q36 Mathematics

A leaves point X at 9:00 AM and reaches point Y at 1:00 PM. B leaves point Y at 9:00 AM and reaches point X at 3:00 PM. At what time will they meet?

A. 1:24 PM

B. 10:24 AM

C. 11:24 AM



D. 12:36 PM

Q37 Mathematics

In a test, B got 50 marks while A got 75 marks, out of 80 maximum marks. What percentage of A's marks was B's marks? (Round off the answer to two decimal places.)

A. 66.67%



B. 93.75%

C. 80.33%

D. 150.46%

Q38 Mathematics

Two pipes, P and Q, can fill a cistern in 30 hours and 40 hours, respectively. If pipe P is opened alone for 15 hours and then closed, after which pipe Q fills the cistern until it is full, then what percentage of the cistern is filled by pipe P relative to the portion filled by pipe Q?

A. 150%

B. 50%

C. 100%



D. 120%

Q39 Mathematics

One pipe can fill a tank in 7 minutes while another pipe can empty the completely filled tank in 56 minutes. If both the pipes are opened together when the tank is empty, how many minutes will it take to fill one-half of the tank?

A. 9

B. 5

C. 8

D. 4

**Q40 Mathematics**

A vendor buys a washing machine for ₹12,000. He sells it to a retailer at 10% profit, and the retailer sells it to a customer at 15% loss. What is the final selling price?

A. ₹11,000

B. ₹11,220



C. ₹11,620

D. ₹11,420

Q41 Mathematics

The ages of Renu and Kashish are in the ratio 9 : 8. After 5 years, the ratio of their ages will be 10 : 9. Find the difference between their present ages.

A. 6 years

B. 4 years

C. 7 years

D. 5 years



Q42 Mathematics

A grocer marked his goods at 50% above their cost price and sold them at a discount of X%. If he gained 35% profit, then find the value of X.

A. 11

B. 9

C. 12

D. 10

**Q43 Mathematics**

The measure of each interior angle of a regular pentagon is:

A. 78° B. 108° C. 128° D. 118° **Q44 Mathematics**

If 20% of a number is added to 66, then the result is the same number. 60% of the same number is:

A. 69.5

B. 49.5



C. 79.5

D. 59.5

Q45 Mathematics

If $2x + \frac{2}{x} = 3$, what is $x^2 + \frac{1}{x^2}$?

A. $\frac{1}{3}$ B. $\frac{1}{4}$ C. $\frac{1}{2}$

D. 1

Q46 Mathematics

What is the volume (in cm^3 , rounded off to 1 decimal place) of a spherical shell whose internal and external diameters are 10 cm and 12 cm, respectively?

(Take $\pi = \frac{22}{7}$)

A. 323.9

B. 381.3



C. 401.5

D. 345.7



Q47 Mathematics

The perimeter of a square is equal to the one-half of radius of a circle whose area is 39424 cm^2 . What is the area of the square?

(Take $\pi = \frac{22}{7}$).

A. 196 cm²



B. 204 cm²

C. 169 cm²

D. 135 cm²

Q48 Mathematics

Find the value of x in the following expression.

$$(0.49)^4 \times (0.343)^4 \div (0.2401)^4 = (7 \div 10)^{x+2}$$

A. 2



B. 1

C. 4

D. 3

Q49 Mathematics

Walking at $\frac{3}{4}$ th of his normal speed from his home, Abhishek is 11 minutes late in reaching his office.

The usual time taken by him to cover the distance between his home and his office is:

A. 29 minutes

B. 26 minutes

C. 32 minutes

D. 33 minutes

**Q50** Mathematics

Which of the following is equal to K if $\sin^2 x + K = 1$?

A. $\cot^2 x$

B. $\tan^2 x$

C. $\cos^2 x$



D. $\sec^2 x$



Q51 General Intelligence & Reasoning

Seven boxes, B, D, E, P, S, T and W, are kept one over the other, but not necessarily in the same order.

W is kept second from the bottom. Only three boxes are kept between W and B. P is kept at one of the positions below W. Only D is kept between B and S. E is kept at one of the positions above B.

How many boxes are kept between P and E?

A. Four

B. Three

C. Five



D. One

Q52 General Intelligence & Reasoning

This question is based on the five, three-digit numbers given below.

(Left) 593, 784, 358, 631, 296 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

Note: All operations to be done from left to right.

What will be the resultant if the third digit of the highest number is added to the second digit of the lowest number?

A. 17

B. 10

C. 13



D. 14

Q53 General Intelligence & Reasoning

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

DBD–BZB

JHJ–HFH

A. VST–TRT

B. VTV–SRS

C. VST–SQS

D. VTV–TRT

**Q54** General Intelligence & Reasoning

Priya starts from point A and drives 32 km towards the south. She then takes a right turn, drives 31 km, turns right and drives 43 km. She then takes a right turn and drives 54 km. She takes a final right turn, drives 11 km and stops at point P. How far (shortest distance) and towards which direction should she drive in order to reach point A again? (All turns are 90-degree turns only, unless specified.)

A. 22 km to the west

B. 21 km to the west

C. 24 km to the south

D. 23 km to the west

**Q55** General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(55, 11, 5)

(36, 3, 12)

A. (65, 5, 13)



B. (42, 15, 3)

C. (70, 5, 16)

D. (56, 14, 3)

Q56 General Intelligence & Reasoning

Refer to the given series and answer the question that follows. (All numbers are single digit numbers only.) Counting to be done from left to right only.

(Left) 9 6 7 2 3 7 3 8 1 7 2 8 6 3 6 8 9 9 3 9 5 6 1 5 1 7 8

(Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

A. 7

B. 5

C. 6



D. 8



Q57 General Intelligence & Reasoning

In a school complex, Building A is to the south of Building B. Building E is to the east of Building B. Building D is to the west of Building A. Building C is to the south of Building E. What is the position of Building C with respect to Building B?

- A. East
- B. South
- C. South-east** ✓
- D. West

Q58 General Intelligence & Reasoning

In a certain code language, 'SOUP' is coded as '5179' and 'PACE' is coded as '2418'. What is the code for 'P' in the given code language?

- A. 7
- B. 9
- C. 2
- D. 1** ✓

Q59 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some rabbits are fans.
No fan is a car.

Conclusions:

(I): Some rabbits are cars.
(II): Some fans are rabbits.

- A. Only conclusion (I) follows
- B. Both conclusions (I) and (II) follow
- C. Neither conclusion (I) nor (II) follows
- D. Only conclusion (II) follows** ✓

Q60 General Intelligence & Reasoning

In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

JOIN - OJIN - NOJI
MALE - AMLE - EAML

- A. USER - SUER - SERU
- B. LION - ILON - NILO** ✓
- C. NEAR - NAER - RAEN
- D. PAGE - APGE - EAGP

Q61 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

ARB YVZ WZX UDV ?

- A. RGT
- B. RHS
- C. TGU
- D. SHT** ✓

Q62 General Intelligence & Reasoning

Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) 9 @ 3 \$ 2 ! 1 6 ^ & 9 3 ! @ # 3 \$ 5 + ! (Right)

If all the symbols are dropped from the series, which of the following will be seventh from the right?

- A. 6
- B. 2** ✓
- C. 9
- D. 3

Q63 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

YCG 87 IMQ 95 SWA 103 CGK 111 ?

- A. MRT 119
- B. MQU 119** ✓
- C. MRX 118
- D. MPT 118

Q64 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 9 8 9 8 1 9 4 4 8 2 8 2 9 6 8 9 9 8 8 9 6 5 5 1 5 3 1
(Right)

How many such even numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- A. 5
- B. 4
- C. 2
- D. 3** ✓



Q65 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

94 130 179 243 324 ?

A. 426

B. 424



C. 423

D. 425

Q66 General Intelligence & Reasoning

In a certain code language,
A + B means 'A is the son of B',
A - B means 'A is the brother of B',
A x B means 'A is the wife of B',
and A & B means 'A is the father of B'.

How is K related to V if 'K-TxR+Z&V'?

A. Husband

B. Brother's wife's father

C. Brother's wife's brother



D. Son

Q67 General Intelligence & Reasoning

DRBH is related to SGQW in a certain way based on the English alphabetical order. In the same way, LZJP is related to AOYE. To which of the given options is ESCI related, following the same logic?

A. THDR

B. THRX



C. THYU

D. THRE

Q68 General Intelligence & Reasoning

In a certain code language, 'AMIE' is coded as '9432' and 'SAME' is coded as '4279'. What is the code for 'S' in that language?

A. 2

B. 9

C. 7



D. 4

Q69 General Intelligence & Reasoning

Six friends, G, H, I, Q, R and S, are sitting around a circular table facing the centre of the table. Q sits third to the left of G. G sits second to the left of R. Only S sits between G and H. I is not an immediate neighbour of Q. How many people sit between H and I when counted from the right of H?

A. One

B. Three

C. Two



D. Four

Q70 General Intelligence & Reasoning

O, P, Q, R, W, X and Y are sitting in a straight line facing north. Only three people sit between W and Y. P sits to the immediate left of Y. No one sits to the right of Q. Only two people sit between Q and P. X sits to the immediate right of O. How many people sit between R and X?

A. Two



B. Three

C. Four

D. One

Q71 General Intelligence & Reasoning

Each of the digits in the number 56378492 is arranged in descending order from left to right. What will be the product of the digits that are second from the left and second from the right in the new number thus formed?

A. 21

B. 24



C. 32

D. 28

Q72 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. NB - LZ

B. EL - CJ

C. AQ - YO

D. DW - BV



Q73 General Intelligence & Reasoning

In a row of 25 people facing north, Sanjay is 7th from the right end. If Anu sits 3rd to the left of Sanjay, then what is Anu's position from the left end of the line?

A. 15th

B. 18th

C. 17th

D. 16th

**Q74 General Intelligence & Reasoning**

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. RQP



B. HEJ

C. NKP

D. MJO

Q75 General Intelligence & Reasoning

If 'P' stands for '×', 'Q' stands for '÷', 'R' stands for '-' and 'S' stands for '+', then what will come in place of question mark (?) in the following equation?

$$78 P 3 R 15 Q 5 S 126 Q 3 S 117 Q 9 S 125 Q 5 = ?$$

A. 311



B. 332

C. 384

D. 351

Q76 General Intelligence & Reasoning

Seven friends, B, C, D, T, U, V and W, are sitting in a straight line facing north. Only three people sit to the left of T. Only W sits to the right of D. Only three people sit between D and C. B sits at some place to the left of U but at some place to the right of V. How many people sit between V and U?

A. Two

B. One

C. Four

D. Three

**Q77 General Intelligence & Reasoning**

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All jacks are hammers.

All jacks are keys.

All jacks are drillers.

Conclusions:

(I) All hammers are drillers.

(II) Some drillers are keys.

A. Only conclusion (II) follows.



B. Only conclusion (I) follows.

C. Both conclusions (I) and (II) follow.

D. Neither conclusion (I) nor (II) follows.

Q78 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

71 59 46 32 17 ?

A. -1

B. 2

C. 1



D. 3

Q79 General Intelligence & Reasoning

If 3 is added to each odd digit and 2 is subtracted from each even digit in the number 5341256, what will be the sum of the digits which are first from the left and second from the right in the new number thus formed?

A. 10

B. 8

C. 16



D. 14

Q80 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

2, 27, 63, 112, 176, ?

A. 259

B. 257



C. 258

D. 256



Q81 General Awareness

In April 2025, which international organisation acknowledged India's achievement in lifting 171 million people out of extreme poverty?

- A. Asian Development Bank
- B. United Nations
- C. World Bank ✓
- D. International Monetary Fund

Q82 General Awareness

Who, as a digital content creator, co-founded Monk Entertainment and was a prominent figure in 2025?

- A. Sanchit Patil
- B. Jeet Shah
- C. Ranveer Allahbadia ✓
- D. Abhishek Mishra

Q83 General Awareness

In which union territory of India was the world's highest rail arch bridge inaugurated by the Prime Minister of India in June 2025?

- A. Ladakh
- B. Jammu and Kashmir ✓
- C. New Delhi
- D. Chandigarh

Q84 General Awareness

Before the approval of caste census in 2025, the last major attempt to gather caste-based data at the national level was made through which exercise?

- A. Economic Census of 2001
- B. Census of India, 1971
- C. National Sample Survey, 2005
- D. Socio-Economic and Caste Census (SECC), 2011 ✓

Q85 General Awareness

Which student-led national case competition launched in October 2025 aims to address malnutrition and promotes SDG 2 (Zero Hunger) and SDG 3 (Good Health & Well-being)?

- A. Yukti – Nutrition Nirmaan ✓
- B. Udaan – Education for All
- C. Swasth India Mission
- D. Viksit Bharat Challenge

Q86 General Awareness

What was the central focus of the 7th Future Food Forum 2025 held in Dubai, UAE?

- A. Building a circular economy for global manufacturing networks
- B. Enhancing tourism-led growth through digital platforms
- C. Strengthening financial inclusion and fintech cooperation
- D. Advancing food security, trade and innovation ✓

Q87 General Awareness

In January 2025, Gujarat Chief Minister Bhupendra Patel inaugurated the Khel Mahakumbh 3.0 in which city?

- A. Rajkot ✓
- B. Vadodara
- C. Ahmedabad
- D. Surat

Q88 General Awareness

Where was the Senior Asian Wrestling Championship 2025 held?

- A. Qatar
- B. Jordan ✓
- C. Uzbekistan
- D. Saudi Arabia



Q89 General Awareness

As notified in February 2025, which of the following companies introduced India's first Air Quality Index-based parametric insurance for construction workers in the Delhi-National Capital Region?

- A. National Insurance Company Limited
- B. Go Digit General Insurance Limited ✓
- C. Tata AIG General Insurance
- D. Star Health and Allied Insurance

Q90 General Awareness

Which of the following parties won 5 seats in the Bihar Assembly elections 2025?

- A. Lok Janshakti Party (Ram Vilas)
- B. Hindustani Awam Morcha (Secular) ✓
- C. Bahujan Samaj Party
- D. Janata Dal (United)

Q91 General Awareness

Which important day commemorating India's victory over Pakistan was observed on 26 July 2025?

- A. Independence Day
- B. Kargil Vijay Diwas ✓
- C. Border Security Day
- D. Republic Day

Q92 General Awareness

In October 2024, which of the following state governments launched India's first integrated state-level Cyber Command and Control Centre to serve as a comprehensive hub for handling grievances through multiple channels, including a helpline, web portal and mobile app?

- A. Kerala
- B. Chhattisgarh
- C. Haryana
- D. Maharashtra ✓

Q93 General Awareness

In September 2025, which range of Kaziranga National Park and Tiger Reserve was announced to open first for the 2025-26 tourist season?

- A. Agaratoli Range
- B. Kohora Range
- C. Burapahar Range
- D. Bagori Range ✓

Q94 General Awareness

As of 11 June 2025, approximately how much aid did Punjab National Bank (PNB) provide under the Rakshak Plus Scheme for martyrs' families?

- A. ₹17 crore ✓
- B. ₹27 crore
- C. ₹37 crore
- D. ₹7 crore

Q95 General Awareness

When did the Government of India reconstitute the Atomic Energy Commission to include TV Somanathan and Manoj Govil?

- A. January 2025 ✓
- B. November 2024
- C. December 2024
- D. March 2025

Q96 General Awareness

Who developed the Adarsh Sports Complex in Jaipur that was inaugurated in April 2025?

- A. Jaipur Development Authority (JDA)
- B. Rajasthan Sports Authority
- C. Ministry of Youth Affairs and Sports
- D. Jaipur Municipal Corporation - Greater (JMC-G) ✓

Q97 General Awareness

What is the name of the new defence facility inaugurated by Rajnath Singh in New Delhi in November 2025?

- A. National Defence Hub
- B. India Defence Parisar
- C. Defence PSU Nilayam
- D. DPSU Bhawan ✓

Q98 General Awareness

Who set the record for the highest individual score in the history of the Champions Trophy innings with 165 runs?

- A. Ibrahim Zadran
- B. Ben Duckett ✓
- C. Alex Carey
- D. Josh Inglis



Q99 General Awareness

Who conferred awards to cities under the Swachh Vayu Sarvekshan Awards 2025?

- A. Finance Minister, GoI
- B. President of India
- C. Environment Minister, GoI ☒
- D. Prime Minister of India

Q100 General Awareness

Which city hosted the prestigious Michelin Guide awards in February 2025?

- A. Edinburgh, Scotland
- B. Glasgow, Scotland ☒
- C. Cardiff, Wales
- D. Birmingham, England



General Science

25 Questions • Answer Key

Q1 General Science

The unit of formula unit mass is:

- A. kg
- B. u
- C. mole
- D. g



Q2 General Science

What helps flowering plants to grow new plants in the next generation?

- A. Growth of petals
- B. Seed formation and germination
- C. Formation of stigma
- D. Formation of roots



Q3 General Science

The making of new cells in organisms is called _____.

- A. Cell division
- B. Cell fusion
- C. Cell secretion
- D. Cell respiration



Q4 General Science

A force of 10 N acts on a body of mass 2 kg. The acceleration produced is:

- A. 10 m/s²
- B. 20 m/s²
- C. 5 m/s²
- D. 2 m/s²



Q5 General Science

Which of the following most precisely defines the 'concentration of a solution'?

- A. The quantity of dissolved substance relative to the solvent
- B. The proportional relationship between mass and velocity
- C. The total count of gaseous particles dispersed in air
- D. The sensory characteristics such as hue and flavor



Q6 General Science

What is the main function of muscular tissue in the human body?

- A. It provides protection and structural support to organs.
- B. It transmits impulses between different body organs.
- C. It produces movement by contracting and relaxing.
- D. It stores energy and maintains body temperature.



Q7 General Science

Bleaching powder is chemically formed by:

- A. NaOH reacting with HCl acid
- B. CaCl₂ reacting with O₂ gas
- C. Ca(OH)₂ reacting with Cl₂ gas
- D. CaCO₃ reacting with CO₂ gas



Q8 General Science

When an object is placed beyond the centre of curvature (C) in front of a concave mirror, what kind of image is formed?

- A. Same size, real, and upright
- B. Highly enlarged and virtual
- C. Enlarged, virtual, and upright
- D. Diminished, real, and inverted



Q9 General Science

What type of reproduction is involved when buds from the leaf margins of Bryophyllum develop into new plants?

- A. Asexual reproduction by vegetative propagation
- B. Asexual reproduction by spores
- C. Sexual reproduction
- D. Budding through stem nodes



Q10 General Science

The reaction of an alcohol with ethanoic acid in the presence of a catalyst forms water and:

- A. An aldehyde
- B. An ester
- C. A hydrocarbon
- D. A salt



Q11 General Science

Which of the following is NOT a method of introducing desirable character in crop varieties?

- A. Intergeneric hybridisation
- B. Intragenic hybridisation ✓
- C. Interspecific hybridisation
- D. Intervarietal hybridisation

Q12 General Science

Which of the following is not an abiotic component of an ecosystem?

- A. Temperature
- B. Wind
- C. Rainfall
- D. Microbes ✓

Q13 General Science

During uniform motion of an object along a straight line _____.

- A. The change in velocity over any time interval is non zero.
- B. The change in velocity over any time interval is zero. ✓
- C. The velocity changes continuously with time.
- D. The velocity has different values at different instants and at different points of the path.

Q14 General Science

What is rancidity?

- A. The process of food becoming stale due to drying
- B. The process where fats and oils in food are oxidised, leading to changes in smell and taste ✓
- C. The process of preserving food by adding salt or sugar
- D. The process of food decaying due to bacterial growth

Q15 General Science

How are the magnetic field lines arranged inside a current-carrying solenoid?

- A. Curved and non-uniform
- B. Random
- C. Parallel and uniformly spaced ✓
- D. Radial from the centre

Q16 General Science

The Law of Gravitation helped in establishing that:

- A. the Earth is flat
- B. the Sun revolves around the Earth
- C. the same force governs both falling bodies on Earth and motion of planets ✓
- D. gravitation acts only on terrestrial objects

Q17 General Science

Which process is used for heating metal oxides to extract metals like copper and silver?

- A. Roasting
- B. Smelting ✓
- C. Electrolysis
- D. Thermal Decomposition

Q18 General Science

In which of the following organisms do both fragmentation and spore formation occur?

- A. Planaria
- B. Yeast
- C. Fungi ✓
- D. Amoeba

Q19 General Science

Consider the following statements and select the correct option.

Statement A: Alcohols react with sodium to evolve hydrogen.
Statement B: No gas is evolved when sodium reacts with ethanol.

- A. Statement A is incorrect but B is correct.
- B. Statement A is correct but B is incorrect. ✓
- C. Both statements A and B are incorrect.
- D. Both statements A and B are correct.

Q20 General Science

How much work is required to move a box through a distance of 3 m in the direction of a force of 25 N?

- A. 750.0 J
- B. 0 J
- C. 25.0 J
- D. 75.0 J ✓



Q21 General Science

If a wire has a resistance R and a current I passes through it, the power dissipated in the wire is given by:

- A. $P=I^2/R$
- B. $P=I^2R$ ✓
- C. $P=V^2R$
- D. $P=V/I$

Q22 General Science

If the height of an image (h') is measured perpendicular to and below the principal axis (along the $-y$ -axis), then what sign is assigned to its value according to the convention?

- A. Negative ✓
- B. Neutral
- C. Positive
- D. Dependent on the magnification

Q23 General Science

When does rust form on iron?

- A. When it is exposed to only heat
- B. When it comes in contact with dry air
- C. When it comes in contact with water and oxygen ✓
- D. When it reacts with carbon dioxide

Q24 General Science

Which of the following is NOT true regarding the speed of sound?

- (i) Speed of sound increases with the increase in the temperature of the medium.
- (ii) Speed of sound in solid state is greater than the speed of sound in gaseous state.
- (iii) Speed of sound decreases with the increase in the temperature of the medium.
- (iv) Speed of sound is independent of the properties of the medium through which it travels.

- A. Both (i) and (ii)
- B. Both (i) and (iv)
- C. Both (ii) and (iii)
- D. Both (iii) and (iv) ✓

Q25 General Science

Which tissue or tissues can help animals respond quickly to changes in their surroundings?

- A. Digestive and excretory systems working together
- B. Bone and cartilage working together
- C. Nerve impulses and muscle tissue working together ✓
- D. Muscle tissue alone

Mathematics

25 Questions • Answer Key

Q26 Mathematics

What is the least number that should be added to 443 so that the number obtained is exactly divisible by 12, 5 and 6?

- A. 40
- B. 41
- C. 37 ✓
- D. 33

Q27 Mathematics

The amount on a sum of ₹2,600 at 10% per annum compound interest, compounded annually, in 2 years will be:

- A. ₹3,356
- B. ₹3,928
- C. ₹3,146 ✓
- D. ₹3,269

Q28 Mathematics

If $63 : A :: A : 175$, then find the positive value of A .

- A. 105 ✓
- B. 108
- C. 103
- D. 104

Q29 Mathematics

The expenditure of Sudha is 100% more than her savings. If her expenditure decreases by 4% and savings increase by 26%, then by what percentage does her income increase?

- A. 9%
- B. 6% ✓
- C. 5%
- D. 8%



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Q30 Mathematics

An agent sells a pan with a marked price of ₹6,420 at a discount of 20%. What is the selling price (in ₹) of the pan?

A. 5,137

B. 5,136



C. 5,135

D. 5,138

Q31 Mathematics

The average of the squares of the first 4 natural numbers is:

A. 9.5

B. 7.5



C. 6.5

D. 8.5

Q32 Mathematics

In a quadrilateral IJKL, $\angle I = 35^\circ$ and $\angle J = 24^\circ$. The bisectors of $\angle K$ and $\angle L$ meet at Z. What is the measure of $\angle LKZ$?

A. 29.5°



B. 34°

C. 19.5°

D. 27°

Q33 Mathematics

The number 77,792 is divisible by:

A. 14

B. 15

C. 12

D. 13

**Q34 Mathematics**

One pipe can fill a tank in 4 minutes while another pipe can empty the completely filled tank in 8 minutes. If both the pipes are opened together when the tank is empty, then how many minutes will it take to fill one-half of the tank?

A. 9 minutes

B. 5 minutes

C. 4 minutes



D. 8 minutes

Q35 Mathematics

The arithmetic mean of the observations 31, 36, 83, 84, 93, 47, 17, 45 and 50 is:

A. 47

B. 54



C. 61

D. 48

Q36 Mathematics

Pipes A and B can fill an empty cistern in 20 min and 35 min, respectively. Both Pipe A and Pipe B are opened together. After how much time should Pipe A be turned off so that the empty cistern is completely filled in a total of 28 min?

A. 4 min



B. 5 min

C. 10 min

D. 20 min

Q37 Mathematics

Train A departs from station X at 8:00 AM and travels towards station Y at a speed of 50 km/hr. Train B departs from station Y at 9:00 AM and travels towards station X at a speed of 60 km/hr. If the two trains meet at 9:45 AM, find one-fourth of the distance between stations X and Y (in km).

A. 33.225

B. 32.125

C. 33.125



D. 33.175

Q38 Mathematics

₹2,288 is divided among Pankaj, Meera, and Ashok in such a way that if ₹39, ₹47, and ₹40 are deducted from their respective shares, they have money in the ratio 17:15:14. Find the actual share of Meera.

A. ₹855

B. ₹605

C. ₹805

D. ₹752



Q39 Mathematics

A bookstore sells 2 maths books and 3 science books for ₹1,980. It also sells 3 mathsbooks and 2 science books for ₹1,920. What is the total cost of one maths book and one science book?

A. ₹760

B. ₹780



C. ₹800

D. ₹820

Q40 Mathematics

Find the effective price percentage of the marked price after three consecutive discounts of 20%, 5% and 21% (rounded off to two decimal places).

A. 63.04%

B. 62.04%

C. 60.04%



D. 58.66%

Q41 Mathematics

An uncle is currently six times as old as his nephew. In 20 years from now, he will be only twice as old. Find the nephew's current age.

A. 30 years

B. 5 years



C. 25 years

D. 15 years

Q42 Mathematics

A shopkeeper bought 20 kg of rice at ₹50 per kg and sold it at ₹45 per kg. What is his loss percentage?

A. 11%

B. 13%

C. 10%



D. 12%

Q43 Mathematics

What is the volume (in cm^3) of a sphere having diameter 18 cm?

(Use $\pi = 3.1$)

A. 2504.6

B. 1506.6

C. 3013.2



D. 1807.2

Q44 Mathematics

If $\tan \theta = \sqrt{3}$, where θ is an acute angle, then what is the value of $\sec \theta$?

A. 2



B. 3

C. 0.5

D. 1.5

Q45 Mathematics

Two successive increase of 40% each is by what percent more than two successive decrease of 40% each?

A. 52 %

B. 50 %



C. 43 %

D. 48 %



Q46 Mathematics

Solve: $\frac{(11)^3 - (10)^3}{(11)^2 + 11 \times 10 + (10)^2}$

A. 1



B. 2

C. 4

D. 3

Q47 Mathematics

If 30% of 10% of $\frac{2}{3}$ of a number is 577, find the number.

A. 32310

B. 28850



C. 30300

D. 32490

Q48 Mathematics

Water flows through a horizontal cylindrical pipe of internal radius 3.5 cm at 2 m per second. If the pipe is always half full, then what is the volume of water (in litres) discharged in 5 minutes?

(Use $\pi = \frac{22}{7}$)

A. 1455

B. 1275

C. 1155



D. 1045

Q49 Mathematics

A 300 m long train moving with a speed of 126 km/h crosses a platform in 12 seconds. A boy crosses the same platform in 15 seconds. What is the speed of the boy in m/s?

A. 5

B. 6

C. 7

D. 8

**Q50 Mathematics**

Simplify: $18 - [6 - \{4 - (8 - 6 - 3)\}]$

A. 16

B. 17



C. 19

D. 9



Q51 General Intelligence & Reasoning

Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion(s) logically follow(s) from the given statements.

Statements:

All hotels are restaurants.

All restaurants are cafes.

Some restaurants are bars.

Conclusions:

(I): Some cafes are bars.

(II): Some hotels are bars.

- A. Only conclusion (II) follows
- B. Both conclusions (I) and (II) follow
- C. Neither conclusion (I) nor (II) follows
- D. Only conclusion (I) follows

Q52 General Intelligence & Reasoning

Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north.

Only 2 people sit to the left of B. Only 3 people sit between C and F, neither of whom sits at the extreme ends. D sits immediately to the right of E. A sits immediately to the left of C.

How many people sit to the right of C?

- A. 3
- B. 5
- C. 4
- D. 2

Q53 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

DEA 48 CDZ 55 BCY 62 ABX 69 ?

- A. ZAW 76
- B. ZIS 75
- C. ZBV 76
- D. ZZV 75

Q54 General Intelligence & Reasoning

Arvind ranked 15th from the top and 10th from the bottom in his class. How many students are there in the class?

- A. 24
- B. 23
- C. 26
- D. 25

Q55 General Intelligence & Reasoning

This question is based on the five, three-digit numbers given below.

(Left) 496 357 256 547 413 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

(NOTE - All operations to be done from left to right.)

What will be the resultant if the second digit of the second highest number is added to the third digit of the lowest number?

- A. 14
- B. 12
- C. 13
- D. 15

Q56 General Intelligence & Reasoning

Eight friends, Aman, Babu, Chotu, Deepu, Ehsan, Farookh, Guna, and Hari, are sitting around a circular table facing the centre. Deepu is second to the left of Farookh. Deepu is third to the right of Hari. Aman is second to the right of Farookh. Chotu is second to the right of Babu. Farookh is third to the right of Babu. Guna is not an immediate neighbour of Farookh. Who is second to the right of Aman?

- A. Chotu
- B. Ehsan
- C. Deepu
- D. Guna

Q57 General Intelligence & Reasoning

Which of the following letter-clusters will replace the question mark (?) in the given series to make it logically complete?

ODH, QFJ, SHL, UJN, ?

- A. WLQ
- B. WLP
- C. WMP
- D. WMQ



Q58 General Intelligence & Reasoning

In a certain code language, 'lets move on' is coded as 'rk ts jn' and 'move on the' is coded as 'pl jn ts'. How is 'lets' coded in that language?

- A. ts
- B. pl
- C. jn
- D. rk

**Q59 General Intelligence & Reasoning**

Seven people, E, F, G, H, I, J and K are sitting in a straight row, facing north. Only four people sit to the left of J. Only three people sit between J and E. K sits second to the left of F. H is an immediate neighbour of G and J. Who sits second to the left of J?

- A. F
- B. G
- C. K
- D. I

**Q60 General Intelligence & Reasoning**

DINS is related to GLQV in a certain way based on the English alphabetical order. In the same way, HMRW is related to KPUZ. To which of the given options is BGLQ related, following the same logic?

- A. EJOT
- B. CIOS
- C. DHOS
- D. CHKP

**Q61 General Intelligence & Reasoning**

What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$10 \div 2 + 21 \times 7 - 8 = ? + 5$$

- A. 30
- B. 25
- C. 22
- D. 28

**Q62 General Intelligence & Reasoning**

Each of the digits in the number 7483516 is arranged in ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

- A. Two
- B. Three
- C. One
- D. None

**Q63 General Intelligence & Reasoning**

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(9, 25, 17)
(13, 33, 25)

- A. (14, 35, 27)
- B. (15, 37, 45)
- C. (11, 29, 38)
- D. (8, 9, 1)

**Q64 General Intelligence & Reasoning**

Refer to the following letter series and answer the question that follows. Counting to be done from left to right only.

(Left) R B M Y A C T F K W N J Z Q L X O P E D H V (Right)

How many letters are immediately followed by vowels in the series?

- A. Three
- B. Five
- C. Four
- D. Six

**Q65 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

129 143 154 168 179 ?

- A. 193
- B. 191
- C. 189
- D. 195



Q66 General Intelligence & Reasoning

Refer to the following number, symbol series and answer the question. (All numbers are single-digit numbers only).
 (Left) 3 % & @ 17 \$ 5 @ 2 & 6 % Ω 4 @ 9 * £ 5 (Right)
 If all the symbols are dropped from the series, which of the following will be fifth from the right?

A. 5

B. 2

C. 7

D. 6

Q67 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All models are actors.

Some actors are directors.

All directors are producers.

Conclusion I: Some actors are producers.**Conclusion II:** All models are directors.

A. Both Conclusions I and II follow.

B. Neither Conclusion I nor II follows.

C. Only Conclusion II follows.

D. Only Conclusion I follows.

Q68 General Intelligence & Reasoning

In a certain code language,

A ± B means 'A is the wife of B',

A * B means 'A is the sister of B',

A ₹ B means 'A is the father of B' and

A # B means 'A is the brother of B'.

How is D related to O if 'D * R # A ± C ₹ O'?

A. Sister

B. Mother's sister

C. Mother

D. Wife's sister

Q69 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

1 2 10 ? 101 226

A. 37

B. 19

C. 30

D. 40

Q70 General Intelligence & Reasoning

Meghnath starts from point M and drives 8 km towards North. He then takes a left turn, drives 3 km, turns right, and drives 5 km. He then takes a right turn and drives 3 km. Finally, he takes a right turn, drives 1 km, and stops at point P. How far (shortest distance) and towards which direction should he drive in order to reach point M again? (All turns are 90-degree turns only, unless specified.)

A. 3 km towards North

B. 8 km towards East

C. 12 km towards South

D. 5 km towards East

Q71 General Intelligence & Reasoning

If 'A' stands for '÷', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark (?) in the following equation?

42 B 3 D 70 A 2 C 9 B 4 D (36 A 6) B 3 = ?

A. 109

B. 97

C. 81

D. 123

Q72 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. JFG

B. XTV

C. PLM

D. EAB



Q73 General Intelligence & Reasoning

DWXX is related to LEFS in a certain way based on the English alphabetical order. In the same way, JCDQ is related to RKLY. To which of the given options is HABO related, following the same logic?

A. PDER

B. PJWE

C. PIJW



D. PIOL

Q74 General Intelligence & Reasoning

Mayank starts from Point A and drives 47 km towards the north. He then takes a right turn, drives 48 km, turns right and drives 51 km. He then takes a right turn and drives 56 km. He takes a final right turn, drives 4 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 5 km to the east

B. 7 km to the west

C. 6 km to the east

D. 8 km to the east

**Q75 General Intelligence & Reasoning**

In a row of 51 people facing the north, Mahesh sits 18th from the right end. If Valli sits 22nd from the left end of the line, then how many people sit between Mahesh and Valli?

A. 11



B. 12

C. 13

D. 14

Q76 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the letter-cluster that does NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their positions in the letter-cluster.)

A. BYW

B. SPN

C. WTR

D. TRO

**Q77 General Intelligence & Reasoning**

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

MKO-KIM

RPT-PNR

A. FDH-DBF



B. FDH-CBE

C. FCF-CAE

D. FCF-DBF

Q78 General Intelligence & Reasoning

In a certain code language, OGAR is coded as 123 and ZAPQ is coded as 180. What is the code for WVDL in that language?

A. 183



B. 172

C. 177

D. 180

Q79 General Intelligence & Reasoning

This question is based on the five, three-digit numbers given below.

(Left) 826, 117, 681, 964, 529 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

Note: All operations to be done from left to right.

What will be the resultant if the third digit of the highest number is added to the second digit of the lowest number?

A. 11

B. 7

C. 13

D. 5

**Q80 General Intelligence & Reasoning**

What should come in place of ? in the given series?
84 85 87 91 99 ?

A. 115



B. 116

C. 114

D. 117



Q81 General Awareness

Which Ministry received ₹3,794 crore in the Union Budget, 2025-2026, allocations?

- A. Ministry of Health
- B. Ministry of Youth Affairs and Sports** ✓
- C. Ministry of Tourism
- D. Ministry of Education

Q82 General Awareness

How many total medals did India win at the 2025 Asian Youth Games held in Manama, Bahrain?

- A. 42
- B. 36
- C. 48** ✓
- D. 54

Q83 General Awareness

During which major national event in November 2025 did the government unveil the Dumpsite Remediation Accelerator Programme (DRAP) to accelerate legacy waste cleanup across urban India?

- A. India Sanitation Conclave 2025
- B. National Environment Summit 2025
- C. Swachhata Pakhwada 2025
- D. National Urban Conclave 2025** ✓

Q84 General Awareness

Which state secured second position, with a score of 74.24%, in the effective management practices followed in the National Parks (NP) and Protected Areas (PA) carried out by the Union Ministry of Environment, Forest and Climate Change for 2020-2025?

- A. Karnataka** ✓
- B. Gujarat
- C. Punjab
- D. Himachal Pradesh

Q85 General Awareness

In December 2025, which of the following African countries approved an agreement allowing Russia to establish its first naval base on the African continent?

- A. Ethiopia
- B. Algeria
- C. Sudan** ✓
- D. South Africa

Q86 General Awareness

In May 2025, which Indian city mandated anti-smog guns at buildings above 3,000 square metres?

- A. Kolkata
- B. Delhi** ✓
- C. Mumbai
- D. Chennai

Q87 General Awareness

What is the projected global GDP growth rate for 2025, as stated in IMF's January World Economic Outlook Update?

- A. 3.7%
- B. 4.2%
- C. 3.3%** ✓
- D. 2.8%

Q88 General Awareness

What was India's extreme poverty rate in 2022-23 as per World Bank's June 2025 report?

- A. 5.3%
- B. 2.3%** ✓
- C. 10.5%
- D. 7.3%

Q89 General Awareness

As per the Union Budget 2025-26, a Makhana board will be established for boosting production and marketing of Makhana in which of the following states?

- A. Bihar** ✓
- B. Uttarakhand
- C. Jharkhand
- D. Assam



Q90 General Awareness

In IPL 2025, who became the first Indian to score 1000 runs against four IPL teams?

A. Virat Kohli



B. Shikhar Dhawan

C. Rohit Sharma

D. Suresh Raina

Q91 General Awareness

The improved SHe-Box portal announced by Uttar Pradesh in May 2025 supports which gender at workplaces?

A. LGBTQ+

B. Women



C. Transgender persons

D. Men

Q92 General Awareness

For balancing economic growth with environmental protection, the government of Uttarakhand in October 2025 launched which of the following?

A. Five-point policy

B. Eight-point policy

C. Seven-point policy

D. Nine-point policy

**Q93 General Awareness**

Which of the following organisations released the second edition of the draft of the National Essential Diagnostics List (NEDL) in January 2025?

A. The Indian Council of Medical Research



B. Department of Biotechnology

C. Office of the Principal Scientific Adviser

D. Council of Scientific & Industrial Research

Q94 General Awareness

Who among the following received the prestigious 2024 Vigyan Ratna award?

A. Chandrima Shaha

B. Gagandeep Kang

C. Satyajit Rath

D. Govindarajan Padmanabhan

**Q95 General Awareness**

Who won the ICC World Test Championship (WTC) Final held in June 2025 at Lord's by defeating Australia by 5 wickets to claim their first WTC title?

A. New Zealand

B. India

C. England

D. South Africa

**Q96 General Awareness**

The Indian contingent participating in the Joint Military Exercise MITRA SHAKTI-2025 is mainly represented by which regiment of the Indian Army?

A. Sikh Regiment

B. Gorkha Regiment

C. Rajput Regiment



D. Kumaon Regiment

Q97 General Awareness

Which female footballer received the 'International Player of the Year' at the Women's Football Awards, 2025?

A. Vivianne Miedema

B. Ada Hegerberg

C. Sam Kerr

D. Alexia Putellas

**Q98 General Awareness**

Who wrote the book 'The Chola Tigers: Avengers of Somnath'?

A. Natwar Singh

B. Amish Tripathi



C. Arundhati Roy

D. Manorama Mishra

Q99 General Awareness

As announced in the Union Budget 2025-26, which among the following initiatives aims to mobilise ₹10 lakh crore by 2030?

A. Swachh Bharat

B. Postal Life Insurance (PLI) Scheme

C. Second Asset Monetisation Plan



D. National Monetisation Pipeline



Q100 General Awareness

Which among the following countries was visited by the Prime Minister of India in June 2025?

A. Croatia



B. New Zealand

C. Bangladesh

D. Brazil



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General Science

25 Questions • Answer Key

Q1 General Science

Which of the following is a result of the genetic variation introduced by sexual reproduction?

- A. Decreased chances of survival
- B. Evolution ✓
- C. Production of genetically identical offspring
- D. Formation of identical twins

Q2 General Science

Which of the following statements suits best for the role of chemical methods of birth control in family planning?

- A. They alter the hormone levels to inhibit ovulation and uterus preparation. ✓
- B. They increase estrogen levels to promote ovulation and make fertilisation less likely.
- C. They prevent sperm from entering the uterus by thickening the vaginal wall.
- D. They mechanically block the fallopian tubes and suppress menstruation entirely.

Q3 General Science

Which reaction best supports the Law of Conservation of Mass?

- A. Burning of paper in open air
- B. Heating iron in open air
- C. Evaporation of alcohol in open air
- D. Mixing of vinegar and baking soda in a sealed container ✓

Q4 General Science

The resistance of a wire is $1\ \Omega$. If it is cut into two equal parts, the resistance of each part will be:

- A. $0.5\ \Omega$ ✓
- B. $4\ \Omega$
- C. $1\ \Omega$
- D. $2\ \Omega$

Q5 General Science

Food web consists of different types of _____.

- A. trophic levels
- B. food chains ✓
- C. foods
- D. ecosystems

Q6 General Science

According to Ohm's law, the potential difference across a conductor is:

- A. equal to the resistance
- B. inversely proportional to the current
- C. directly proportional to the current ✓
- D. independent of the current

Q7 General Science

When CO_2 reacts with calcium hydroxide, it gives calcium carbonate and water. Which property of CO_2 is seen in this reaction?

- A. Basic property
- B. Acidic property ✓
- C. Oxidising property
- D. Neutral property

Q8 General Science

Water harvesting is important because it:

- A. Recharges groundwater ✓
- B. Decreases the water supply to downstream areas
- C. Purifies the water bodies
- D. Reduces the mineral density in water bodies

Q9 General Science

The amount of solute dissolved in a particular solvent is defined in terms of:

- A. fluidity
- B. concentration ✓
- C. surface tension
- D. viscosity



Q10 General Science

Which of the following situations clearly illustrates Newton's third law, where action and reaction forces act on two different objects and are equal and opposite?

- A. A stone resting on the ground.
- B. A sailor pushes the boat backward while jumping forward, and the boat pushes him forward. ✓
- C. A car accelerating due to engine power.
- D. A book kept on a table remains at rest.

Q11 General Science

Plastids have their own _____ and _____, similar to mitochondria.

- A. DNA; ribosomes ✓
- B. nucleus; chromosomes
- C. vesicles; proteins
- D. enzymes; vacuoles

Q12 General Science

Prokaryotic cells differ from eukaryotic cells in having which of the following?

- A. Membrane-bound organelles
- B. A true nucleus
- C. Ribosomes
- D. No membrane-bound nucleus ✓

Q13 General Science

What is the correct formula for calculating pressure, where thrust is the force applied and area is the surface it acts on?

- A. Pressure = Thrust ÷ Area ✓
- B. Pressure = Thrust + Area
- C. Pressure = Area ÷ Thrust
- D. Pressure = Thrust × Area

Q14 General Science

A convex mirror always forms an image that is _____.

- A. virtual, erect, and larger than the object
- B. real, erect, and same size as the object
- C. virtual, erect, and diminished ✓
- D. real, inverted, and smaller than the object

Q15 General Science

What happens to the sound when the source vibrates faster?

- A. The frequency and pitch become lower.
- B. The sound stops producing compressions and rarefactions.
- C. The frequency and pitch become higher. ✓
- D. The pitch stays the same, but frequency decreases.

Q16 General Science

Which of the following properties of 'suspension' is INCORRECT?

- A. Suspension is a heterogeneous mixture.
- B. Particles of suspension are visible to the naked eye.
- C. Particles of suspension can be separated from the mixtures by the process of filtration.
- D. Particles of suspension do not scatter a beam of light. ✓

Q17 General Science

A particle accelerates uniformly at 2 m/s^2 . Its velocity changes from 5 m/s to 15 m/s. How long does this take?

- A. 10 s
- B. 7s
- C. 5 s ✓
- D. 2 s

Q18 General Science

Which enzyme present in saliva helps break down starch?

- A. Amylase ✓
- B. Lipase
- C. Trypsin
- D. Pepsin

Q19 General Science

The absolute refractive index of a material is $4/3$. If the speed of light in air is $3 \times 10^8 \text{ m/s}$, then what will be the speed of light in this medium?

- A. $3 \times 10^8 \text{ m/s}$
- B. $4 \times 10^8 \text{ m/s}$
- C. $2.25 \times 10^8 \text{ m/s}$ ✓
- D. $1.33 \times 10^8 \text{ m/s}$



Q20 General Science

Why does a galvanised iron article remain protected from rusting even if the zinc coating is scratched?

- A. Zinc reacts with iron to form a protective layer of iron oxide.
- B. Scratches allow oil to seep in and prevent rusting.
- C. Zinc is more reactive than iron and undergoes preferential oxidation, protecting the iron. ✓
- D. Iron forms a thin layer of rust that prevents further corrosion.

Q21 General Science

An object has a mass of 11 kg and is placed at a height above the ground. If its potential energy is 440 J and $g = 10 \text{ m/s}^2$, what is the height?

- A. 2 m
- B. 4 m ✓
- C. 8 m
- D. 48,400 m

Q22 General Science

Which of the following is NOT a property of ionic compounds?

- A. They are soluble in solvents such as kerosene and petrol. ✓
- B. They can conduct electricity in an aqueous/molten state.
- C. They generally have high melting and boiling points.
- D. They are generally solid at room temperature.

Q25 General Science

Which of the following combination reactions is an example of exothermic reaction?

- A. $\text{CaCO}_{3(s)} \xrightarrow{\text{Heat}} \text{CaO}_{(s)} + \text{CO}_{2(g)}$
- B. $\text{CH}_{4(g)} + 2\text{O}_2 \rightarrow \text{CO}_{2(g)} + 2\text{H}_2\text{O}$ ✓
- C. $2\text{AgCl}_{(s)} \xrightarrow{\text{sunlight}} 2\text{Ag}_{(s)} + \text{Cl}_{2(g)}$
- D. $\text{Pb}_{(s)} + \text{CuCl}_{2(aq)} \rightarrow \text{PbCl}_{2(aq)} + \text{Cu}_{(s)}$

Q23 General Science

At what pH does tooth decay begin to occur in the human mouth?

- A. Between 7 and 8
- B. Exactly 6.5
- C. Above 8
- D. Below 5.5 ✓

Q24 General Science

Select the option that is true regarding the following two statements labelled Assertion (A) and Reason (R).

Assertion (A): Vegetative propagation helps grow plants that do not produce seeds.

Reason (R): It uses flowers to grow new plants.

- A. Both A and R are true, but R is not the correct explanation of A
- B. Both A and R are true, and R is the correct explanation of A
- C. A is true, but R is false ✓
- D. A is false, but R is true



Q26 Mathematics

During the festive season, one large laddoo having radius 32 cm is made as prashad. After pooja, it is decided to make small laddoos from one large laddoo so as to distribute to the devotees. How many laddoos of radius 2 cm can be made?

A. 3896

B. 4096

C. 4132

D. 3964

Q27 Mathematics

In a town with 75,000 voters, 95% cast their votes, all of which were valid. There were three candidates: A, B, and C. Candidate A received 40% of the valid votes, while candidate B received 12% fewer votes than A. What percentage of the valid votes did candidate C receive?

A. 15.2%

B. 48%

C. 24.8%

D. 52%

Q28 Mathematics

If $P : 17 :: 42 : 6$, then find the value of P.

A. 122

B. 118

C. 116

D. 119

Q29 Mathematics

The average of first 6 odd natural numbers, is:

A. 7

B. 6

C. 5.5

D. 6.5

Q30 Mathematics

A, B and C can do a piece of work in 3, 9 and 18 days, respectively. How long (in days) will they take to do twice the same work, working together?

A. 4

B. 8

C. 12

D. 5

Q31 Mathematics

The volume of a sphere is numerically equal to its surface area. Find its radius (in units).

A. 4

B. 6

C. 3

D. 5

Q32 Mathematics

The mode of the observations 22, 21, 22, 20, 33, 34, 22, 29, 29, 31, 23, 23, 28, 32, 22, 26 and 27 is:

A. 22

B. 21

C. 20

D. 33

Q33 Mathematics

The difference between the present ages of two sisters is 3 years. After 2 years, the elder sister will be twice as old as the younger sister was 2 years ago. Find the sum of their ages after 8 years from now.

A. 31 years

B. 33 years

C. 39 years

D. 37 years

Q34 Mathematics

If 4 lines of a print, in a column of a book, contain 36 words, how many words will a column of 50 lines contain?

A. 460

B. 450

C. 454

D. 446



Q35 Mathematics

A dealer marks his goods at 25% above the cost price and allows a discount of 28% on the marked price. What is his gain or loss percentage?

A. 10% loss



B. 11% loss

C. 8% loss

D. 7% gain

Q36 Mathematics

The ratio of three numbers is 12 : 21 : 5. If 50 percent of the first number is 78, then what would be 50 percent of the absolute difference of third and second number?

A. 104



B. 103

C. 102

D. 105

Q37 Mathematics

A computer printed 1,76,400 lines in a given day. If the printer was in operation for 6 hours during the day, how many lines did it print per minute?

A. 450

B. 420

C. 490



D. 460

Q38 Mathematics

Two trains are running in opposite directions at the same speed. If the length of each train is 444 m and they cross each other in 37 seconds, then what is the speed of each train?

A. 10 m/s

B. 8 m/s

C. 9 m/s

D. 12 m/s

**Q39 Mathematics**

Find the effective price percentage of the marked price after three consecutive discounts of 11%, 18% and 20% (rounded off to two decimal places).

A. 58.88%

B. 61.4%

C. 62.14%

D. 58.38%

**Q40 Mathematics**

Find the simple interest (in ₹) on ₹4,000 at 6% per annum rate of interest for the period from 22 February 2024 to 23 April 2024.

A. 41

B. 39

C. 38

D. 40

**Q41 Mathematics**

Rahul covers a distance of 225 km in 15 hours. How many hours will he take to cover 40% less distance if he drives 20% faster than his original speed?

A. 7

B. 7.5



C. 8.5

D. 8

Q42 Mathematics

In $\triangle ABC$, $BD \perp AC$ at D and $\angle DBC = 66^\circ$. E is a point on BC such that $\angle CAE = 35^\circ$. What is the measure of $\angle AEB$?

A. 65°

B. 47°

C. 59°



D. 66°

Q43 Mathematics

A vertical stick 15 m long casts a shadow 5 m long on the ground. At the same time, a tower casts a shadow of 46.5 m long on the ground. The height of the tower is:

A. 139.5 m



B. 141.5 m

C. 137.5 m

D. 135.5 m

Q44 Mathematics

A person saves 10% of his income. If his expenditure is ₹360, then his income (in ₹) is:

A. 324

B. 400



C. 440

D. 36



Q45 Mathematics

X, Y and Z together can complete a piece of work in 8 days, while X alone can complete it in 24 days and Y alone can complete it in 36 days. Find in how many days Z alone can complete the work?

A. 48 days

B. 12 days

C. 18 days



D. 28 days

Q46 Mathematics

What is the LCM of 13, 65, and 91?

A. 455



B. 1825

C. 5005

D. 650

Q47 Mathematics

By how much is 60% of 45 greater than $\frac{1}{5}$ of 55?

A. 13

B. 16



C. 14

D. 10

Q48 Mathematics

A man bought some oranges at the rate of 10 for ₹300 and sold them at the rate of 5 for ₹175. What is his profit percentage (correct to two decimal places)?

A. 16.67%



B. 15.67%

C. 18.67%

D. 14.67%

Q49 Mathematics

The value of the expression $\frac{1.1^2 - 0.9^2}{0.011^2 - 0.009^2} \times 0.1^2$ is ____.

A. 10

B. 100



C. 0.1

D. 1



Q50 Mathematics

Find the value of $\left\{ \frac{25 \times (4)^{-4}}{(5)^{-3} \times 10 \times (4)^{-8}} \right\} \div \left\{ \frac{(3)^{-5} \times (10)^{-5} \times 125}{(5)^{-7} \times (6)^{-5}} \right\}$.

A. $\frac{149}{9}$

B. $\frac{89}{6}$

C. $\frac{73}{4}$

D. $\frac{128}{5}$



General Intelligence & Reasoning

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

Vikas starts from Point Y and drives 81 km towards the south. He then takes a right and drives 77 km. He then takes a right turn and drives 27 km. He takes a right turn, drives 35 km. He then turns right, drives 39 km, turns left and drives 42 km to stop at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again? (All turns are 90-degree turns only unless specified.)

A. 89 km towards the north

B. 93 km towards the north



C. 94 km towards the south

D. 97 km towards the south

Q52 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All bags are shoes.

All bags are caps.

All bags are laptops.

Conclusions:

(I): All shoes are laptops.

(II): Some laptops are caps.

A. Only conclusion (II) follows



B. Only conclusion (I) follows

C. Both conclusions (I) and (II) follow

D. Neither conclusion (I) nor (II) follows

Q53 General Intelligence & Reasoning

If 'A' stands for ' $\div$ ', 'B' stands for ' $\times$ ', 'C' stands for ' $+$ ' and 'D' stands for ' $-$ ', what will come in place of the question mark (?) in the following equation?

(84 A 12) B 5 C 13 B 2 D 11 B 5 C 28 = ?

A. 34



B. 49

C. 27

D. 54

Q54 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(5, 14, 25)

(4, 13, 24)

A. (10, 31, 42)

B. (8, 17, 6)

C. (9, 18, 23)

D. (6, 15, 26)



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Q55 General Intelligence & Reasoning

All 46 people are standing in a row facing north. Z is 12th from the right end while G is 9th from the left end. How many people are there between Z and G?

A. 25



B. 24

C. 23

D. 21

Q56 General Intelligence & Reasoning

In a certain code language, 'go there now' is coded as 'lb gt de' and 'go to school' is coded as 'kj ft de'. How is 'go' coded in the given language?

(All codes are two-letter codes)

A. kj

B. de



C. lf

D. gt

Q57 General Intelligence & Reasoning

JTUB is related to HRSZ in a certain way based on the English alphabetical order. In the same way, MXNP is related to KVLN. To which of the given options is LRYH related, following the same logic?

A. JPWF



B. KQXG

C. IOVE

D. JPXF

Q58 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. JMQ



B. YBG

C. ILQ

D. CFK

Q59 General Intelligence & Reasoning

Five people, A, B, C, D and E, are sitting in a row, facing towards the north. Only two people are sitting between A and D. B is sitting at the third position from the extreme left of the row. B is sitting to the immediate right of A. B is sitting to the immediate left of E. Exactly how many people are sitting between E and A?

A. Two

B. Three

C. One



D. None

Q60 General Intelligence & Reasoning

All 54 people are standing in a row facing north. Mr. Akte is 8th from the right end while Mr. Memi is 21st from the left end. How many people are there between Mr. Akte and Mr. Memi?

A. 23

B. 24

C. 25



D. 26

Q61 General Intelligence & Reasoning

YEVA is related to JPGL in a certain way based on the English alphabetical order. In the same way, QWNS is related to BHYD. To which of the given options is XDUZ related, following the same logic?

A. IOFJ

B. FIKO

C. FOKI

D. IOFK

**Q62 General Intelligence & Reasoning**

In a certain code language,
P + Q means 'P is the husband of Q',
P # Q means 'P is the brother of Q',
P & Q means 'P is the mother of Q' and
P % Q means 'P is the sister of Q'.

How is F related to E if 'F # N + O & V % E'?

A. Sister's husband

B. Father's brother



C. Father's sister

D. Sister's son



Q63 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

17, 22, 32, 47, 67, ?

A. 91

B. 92



C. 93

D. 94

Q64 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. SQ-MK

B. GE-ZA



C. MK-GE

D. CA-WU

Q65 General Intelligence & Reasoning

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

PSQ-MPN

GJH-DGE

A. TWU-PTQ

B. TWU-QTR



C. TVS-QTR

D. TVS-PSQ

Q66 General Intelligence & Reasoning

Kartik starts from Point A and drives 9 km towards east. He then takes a right turn, drives 5 km, turns right and drives 11 km. He then takes a right turn and drives 12 km. He takes a final right turn, drives 2 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again?

(Note: All turns are 90° turns only unless specified.)

A. 6 km to the north

B. 6 km to the south

C. 7 km to the north

D. 7 km to the south

**Q67 General Intelligence & Reasoning**

Refer to the given number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 4 2 1 5 7 9 8 5 3 6 2 1 5 7 3 7 8 4 3 6 9 7 4 5 2 4 1
(Right)

How many such even digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

A. One

B. Three

C. Two

D. More than three

**Q68 General Intelligence & Reasoning**

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

CYB 48 DZC 53 EAD 58 FBE 63 ?

A. GBE 67

B. GCF 68



C. GDE 68

D. GHJ 67

Q69 General Intelligence & Reasoning

If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', then what will come in place of the question mark (?) in the following equation?

12 C 52 A 13 B 7 D 31 = ?

A. 7

B. 5

C. 8

D. 9



Q70 General Intelligence & Reasoning

This question is based on the five, three-digit numbers given below.

(Left) 654 842 684 714 385 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

If all the numbers are arranged in ascending order, then the position of how many numbers will remain unchanged?

A. Four

B. One

C. Two



D. Three

Q71 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

1 5 11 19 ? 41

A. 28

B. 30

C. 27

D. 29

**Q72 General Intelligence & Reasoning**

Which of the following letter-clusters will replace the question mark (?) in the given series to make it logically complete?

KDG, MFI, OHK, QJM, ?

A. SLO



B. SKP

C. SKO

D. SLP

Q73 General Intelligence & Reasoning

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements: Some Hydrogens are Oxygens. All Oxygens are Nitrogens. All Nitrogens are Carbons.

Conclusion I: All Oxygens are Carbons.

Conclusion II: Some Nitrogens are Hydrogens.

A. Only Conclusion II follows

B. Neither Conclusion I nor II follows

C. Only Conclusion I follows

D. Both Conclusions I and II follow

**Q74 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

6 8 ? 18 26 36

A. 14

B. 12



C. 11

D. 13

Q75 General Intelligence & Reasoning

In a certain code language, 'AUTO' is coded as '2683' and 'TOUR' is coded as '8136'. What is the code for 'R' in that language?

A. 1



B. 8

C. 3

D. 6

Q76 General Intelligence & Reasoning

A, B, C, D, E and F are sitting around a circular table, facing the centre. D sits third to the right of C. A sits second to the left of C. E sits second to the right of F. B sits to the immediate right of E. How many people sit between A and F, when counted from the left of A?

A. None

B. One

C. Four



D. Two



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Q77 General Intelligence & Reasoning

Each of the digits in the number 21786539 is arranged in ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

- A. None
- B. One
- C. Two
- D. Three

**Q78 General Intelligence & Reasoning**

Seven friends, L, M, N, O, Q, R and S, are sitting in a straight line facing north. No one sits to the right of S. S sits immediately to the right of Q. Only three people sit between S and N. R sits third to the left of M. O sits to the immediate right of M. How many people sit between L and Q?

- A. Two
- B. Zero
- C. Three
- D. One

**Q79 General Intelligence & Reasoning**

Refer to the following letter series and answer the question. (Counting to be done from left to right only.)

(Left) D M X A G N R L W O T P Y E F Q K Z J V U H (Right)

How many such consonants are there, each of which is immediately preceded by a consonant and also immediately followed by a vowel?

- A. Two
- B. Three
- C. One
- D. More than three

**Q80 General Intelligence & Reasoning**

Refer to the given number, symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) 4 8 @ 3 € 8 & 6 * 6 © 6 \$ £ & 5 7 \$ \$ # 8 \$ (Right)

How many such numbers are there, each of which is immediately preceded by a symbol and also immediately followed by a symbol?

- A. 6
- B. 5
- C. 7
- D. 8

**General Awareness**

20 Questions • Answer Key

Q81 General Awareness

What action did the Securities and Exchange Board of India (SEBI) take on 22 August 2025 regarding social-media financial schemes?

- A. Issue advisory against FPI-linked schemes
- B. Create a retail investor compensation fund
- C. Grant registration to finance influencers
- D. Ban all financial content on social media

**Q82 General Awareness**

Where will India's first electronic waste (e-waste) eco-park be established by the Delhi government as a model for sustainable urban development?

- A. Anand Vihar
- B. Rohini
- C. Holambi Kalan
- D. Dwarka

**Q83 General Awareness**

In October 2025, what was the RBI Monetary Policy Committee's decision on the policy repo rate and stance?

- A. Held at 5.50% and maintained a 'neutral' stance
- B. Hiked to 5.75% and turned 'hawkish' stance
- C. Cut to 5.25% and shifted to 'accommodative' stance
- D. Held at 5.90% with an 'accommodative' stance

**Q84 General Awareness**

According to the World Bank's Poverty and Equity Brief Report 2025, India's extreme poverty rate fell from 16.2% (in 2011-12) to what percentage in 2022-23?

- A. 3.2%
- B. 2.8%
- C. 1.8%
- D. 2.3%



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Q85 General Awareness

Which among the following states was ranked first in the NITI Aayog's Fiscal Health Index (FHI) 2025 for the financial year 2022-23?

- A. Gujarat
- B. Karnataka
- C. Odisha
- D. Maharashtra

Q86 General Awareness

As of July 2025, how many Indian cricketers have been nominated for a Laureus World Sports Award, including Rishabh Pant?

- A. Three
- B. One
- C. Two
- D. Four

Q87 General Awareness

What type of weapon is DRDO planning to test under the DURGA-2 project?

- A. Plasma Gun
- B. Hypersonic Missile
- C. Laser Weapon
- D. Biological Agent

Q88 General Awareness

In June 2025, which of the following organizations published the Global Economic Prospects (GEP) report, a flagship publication providing analysis of global economic trends, forecasts, and risks?

- A. Asian Development Bank
- B. World Economic Forum
- C. World Bank Group
- D. International Monetary Fund

Q89 General Awareness

In which track event did Animesh Kujur break his own national record?

- A. 800 m
- B. 100 m
- C. 200 m
- D. 400 m

Q90 General Awareness

Which summit involving regional leaders from East and Southeast Asia was held in Kuala Lumpur, Malaysia, on 26-27 May 2025?

- A. Asia-Pacific Economic Cooperation Summit
- B. ASEAN-China Summit
- C. Indo-Pacific Strategic Forum
- D. East Asia Summit

Q91 General Awareness

In September 2025, which female cheetah was released in Gandhi Sagar Wildlife Sanctuary to strengthen breeding efforts?

- A. Namib
- B. Sasha
- C. Aasha
- D. Dheera

Q92 General Awareness

The Defence Research and Development Organisation (DRDO) flight-tested the Integrated Air Defence Weapon System (IADWS) in August 2025. Which of the following DRDO laboratories developed the high-power laser-based Directed Energy Weapon (DEW) for the Integrated Air Defence Weapon System (IADWS)?

- A. Defence Research and Development Laboratory
- B. Defence Research and Development Establishment
- C. Centre for High Energy Systems and Sciences
- D. Research Centre Imarat

Q93 General Awareness

On 11 March 2025, Finance Minister Nirmala Sitharaman announced a corpus of how much for a contingency fund in Manipur during the discussion on the 'Manipur Appropriation Bill, 2025' and 'The Manipur Appropriation (Vote on Account) Bill, 2025' in the Lok Sabha?

- A. ₹400 crore
- B. ₹500 crore
- C. ₹600 crore
- D. ₹750 crore



Q94 General Awareness

Where were the Special Olympics World Winter Games 2025 held?

A. Italy



B. Canada

C. Iceland

D. China

Q95 General Awareness

What was the theme of the National Disaster Management Authority (NDMA)'s 21st Formation Day, observed on 26 September 2025?

A. Empowering Communities for Disaster Risk Reduction Through Awareness

B. Volunteerism in Disaster Management

C. Technology for Risk Reduction – For a Safer Nation



D. Stopping Impact of Disaster Incidents in the Himalayan Region

Q96 General Awareness

Which of the following villages in the Uttarkashi district of Uttarakhand was devastated by a flash flood caused by a cloudburst on 5 August 2025?

A. Pangot

B. Bhowali

C. Kanatal

D. Dharali

**Q97 General Awareness**

Which milestone did Tata Lockheed Martin Aerostructures (TLMAL), a joint venture of Tata Advanced Systems (TASL) and Lockheed Martin achieve in India's defence manufacturing in December 2025?

A. Delivery of 250th C-130J tail assembly



B. Delivery of 100th C-130J tail assembly

C. Delivery of 200th C-130J tail assembly

D. Delivery of 300th C-130J tail assembly

Q98 General Awareness

'Why the Constitution Matters' is a book written by

A. Natwar Singh

B. Arif Khan

C. D.Y. Chandrachud



D. Bibek Debroy

Q99 General Awareness

Which organisation confirmed strong economic growth in India's industrial and services sectors in May 2025, despite unemployment challenges?

A. World Bank

B. Reserve Bank of India



C. Ministry of Finance

D. NITI Aayog

Q100 General Awareness

The Fit India Movement's 'Sundays on Cycle' event, aimed at promoting a healthy lifestyle, was held in February 2025. At which iconic Mumbai landmark did it take place?

A. Gateway of India



B. Bandra-Worli Sea Link

C. Chhatrapati Shivaji Maharaj Terminus

D. Marine Drive



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General Science

25 Questions • Answer Key

Q1 General Science

What happens after fertilisation in a flowering plant?

- A. The petals and stamens become the seed, and the ovary forms the embryo.
- B. The entire flower dries up and falls off without forming any new structures.
- C. The ovule becomes the seed, and the ovary becomes the fruit. ✓
- D. The ovule becomes a fruit, and the ovary forms the seed.

Q2 General Science

When OH^- ions are added to an acidic solution, the pH:

- A. stays the same
- B. increases ✓
- C. becomes zero
- D. decreases

Q3 General Science

Which of the following is a molecule of a compound?

- A. N_2
- B. O_2
- C. He
- D. H_2O ✓

Q4 General Science

A constant force acts on an object of mass 4 kg for a duration of 2 s. It increases the object's velocity from 2 m/s to 8 m/s. What is the magnitude of the applied force?

- A. 12 N ✓
- B. 10 N
- C. 24 N
- D. 8 N

Q5 General Science

Isobars are the atoms with:

- A. same melting point but different refractive index
- B. same refractive index but different melting point
- C. same atomic number but different mass number
- D. same mass number but different atomic number ✓

Q6 General Science

An object is placed at infinity in front of a convex lens. The image formed is:

- A. at infinity, highly magnified
- B. at $2F$, same size
- C. at the focal point, highly diminished (point-sized) ✓
- D. between F and $2F$, inverted

Q7 General Science

Which of the following statements is NOT correct?

- A. Sound can be produced by non-vibrating bodies ✓
- B. Frequency of vibration determines the pitch of sound
- C. Vibrations create compressions and rarefactions in air
- D. Amplitude of vibration affects loudness

Q8 General Science

Why do fodder crops require tall plants with profuse branching?

- A. To improve soil fertility
- B. To reduce harvesting time
- C. To provide maximum green matter for fodder ✓
- D. To increase grain yield

Q9 General Science

What is a major disadvantage of connecting an electric bulb and an electric heater in series, based on their required operating current?

- A. The total equivalent resistance would be zero
- B. They need currents of widely different values to operate properly ✓
- C. The current through the heater would stop immediately
- D. The total voltage would decrease to zero

Q10 General Science

Which of the following activities CANNOT be taken as a defining characteristic of life?

- A. Visible movement like walking or running ✓
- B. Molecular movement within the cells
- C. Breathing and internal maintenance of cells
- D. Growth-related movement of plants



Q11 General Science

Which of the following reacts with bases to form salt and water?

- A. Carbon dioxide** ✓
- B. Sodium oxide
- C. Hydrogen gas
- D. Calcium hydroxide

Q12 General Science

In blood, oxygen is transported by _____.

- A. Lymph
- B. Red blood corpuscles** ✓
- C. Blood platelets
- D. White blood corpuscles

Q13 General Science

Molecules of compounds are formed by:

- A. Different elements chemically bonded together** ✓
- B. Mixing ions without forming any chemical bonds
- C. One type of atom only with identical properties
- D. Metals joined with metals through metallic bonds

Q14 General Science

Which of the following statements describes biological magnification?

- A. Energy increases as it flows from producers to consumers.
- B. Progressive increase in biological activities.
- C. Increase in concentration of harmful substances at higher trophic levels.** ✓
- D. Pollutants are completely broken down by decomposers in the ecosystem.

Q15 General Science

If the power of an engine is doubled while the time remains constant, the work done will _____.

- A. Remain the same
- B. Be quadrupled
- C. Be halved
- D. Be doubled** ✓

Q16 General Science

Match the following.

Column A	Column B
1. Calyx	a. Carpels
2. Corolla	b. Stamens
3. Androecium	c. Petals
4. Gynoecium	d. Sepals

- A. 1 - c, 2 - d, 3 - b, 4 - a
- B. 1 - d, 2 - b, 3 - c, 4 - a
- C. 1 - a, 2 - c, 3 - b, 4 - d
- D. 1 - d, 2 - c, 3 - b, 4 - a** ✓

Q17 General Science

Which of the following devices works on the principle of force on a current-carrying conductor in a magnetic field?

- A. Electric generator
- B. Electric motor** ✓
- C. Resistor
- D. Transformer

Q18 General Science

Which of the following structures acts as the basic filtration unit in the kidney?

- A. Alveolus
- B. Tracheid
- C. Villus
- D. Nephron** ✓

Q19 General Science

What is the primary characteristic that defines organic compounds?

- A. They primarily consist of carbon and hydrogen atoms, forming covalent bonds.** ✓
- B. They are formed only by living organisms.
- C. They are compounds that conduct electricity in their molten state.
- D. They always contain oxygen atoms.



Q20 General Science

Which of the following is NOT an isotope of hydrogen atom?

- A. Protium
- B. Deuterium
- C. Helium
- D. Tritium

**Q21 General Science**

The law of refraction is valid for which range of the angle of incidence?

- A. $i > 90^\circ$
- B. $0^\circ < i < 90^\circ$
- C. $0^\circ < i < 45^\circ$
- D. $0^\circ < i < 60^\circ$

**Q22 General Science**

In which part of the female reproductive system does fertilisation take place?

- A. Oviduct (fallopian tube)
- B. Ovary
- C. Cervix
- D. Uterus

**Q23 General Science**

Which of the following is a double displacement reaction?

- A. $2\text{Mg} + \text{O}_2 \rightarrow 2\text{MgO}$
- B. $\text{CaCO}_3 \rightarrow \text{CaO} + \text{CO}_2$
- C. $\text{Zn} + \text{CuSO}_4 \rightarrow \text{ZnSO}_4 + \text{Cu}$
- D. $\text{AgNO}_3 + \text{NaCl} \rightarrow \text{AgCl} + \text{NaNO}_3$

**Q24 General Science**

An object is dropped from a height. What is its initial velocity?

- A. 0 m/s
- B. Can't be determined
- C. 9.8 m/s
- D. 10 m/s

**Q25 General Science**

Which of the following is an example of uniform circular motion in daily life?

- A. A ceiling fan rotating at constant speed
- B. A bus accelerating on a straight road
- C. A ball rolling down an inclined plane
- D. A person walking in a straight line

**Mathematics**

25 Questions • Answer Key

Q26 Mathematics

The arithmetic mean of the observations 17, 64, 55, 37, 65, 12, 51, 18 and 59 is:

- A. 42
- B. 44
- C. 51
- D. 37

**Q27 Mathematics**

In quadrilateral PQRS, the bisectors of $\angle R$ and $\angle S$ meet at the point T (inside the quadrilateral) and $\angle STR = 27.5^\circ$. If the ratio of $\angle P$ to $\angle Q$ is 5 : 6, then what is the difference between the measures of $\angle Q$ and $\angle P$?

- A. 2°
- B. 5°
- C. 3°
- D. 8°

**Q28 Mathematics**

The area of a rectangle is 100.64 cm^2 . If its breadth is 7.4 cm, find the perimeter of the rectangle.

- A. 50.32 cm
- B. 46 cm
- C. 38.25 cm
- D. 42 cm

**Q29 Mathematics**

A solid cylinder of base diameter 4 cm is taken to cast a hollow cylinder of external diameter 12 cm, thickness 0.5 cm and height 15 cm. Find the height (in cm) of the solid cylinder (rounded off to 2 decimal places).

- A. 20.85
- B. 21.56
- C. 18.65
- D. 22.54



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Q30 Mathematics

The number of prime numbers between 445 and 456 is:

A. 3

B. 1



C. 0

D. 2

Q31 Mathematics

Due to water crisis, 28% of the initial population left the village and 50% of the remaining population left the village for pursuing jobs. If presently, 4450 people inhabit the village, what is the ratio of the initial population to the present population?

A. 25:11

B. 106:83

C. 25:9



D. 107:87

Q32 Mathematics

Two banks, A and B, offered loans at 3.5% and 7% per annum, respectively. Manjit borrowed an amount of ₹5,00,000 from each bank. Find the positive difference (in ₹) between the amounts of simple interest paid to the two banks by Manjit after 2 years.

A. 36,000

B. 35,000



C. 36,500

D. 34,500

Q33 Mathematics

An item with a marked price of ₹889 was sold for ₹278. What was the percentage of discount given? (Round off the answer to two decimal places.)

A. 67.57%

B. 68.73%



C. 70.88%

D. 67.92%

Q34 Mathematics

Find the mean proportional of 17 and 272?

A. 71

B. 68



C. 70

D. 67

Q35 Mathematics

A grocer marked his goods at 75% above their cost price and sold them at a discount of X%. If he gained 33% profit, then find the value of X.

A. 27

B. 24



C. 26

D. 23

Q36 Mathematics

A man buys apples at ₹15 per apple and plans to sell them at a 13% profit. How many apples must he sell to make a total profit of ₹195?

A. 110

B. 195

C. 100



D. 95

Q37 Mathematics

A sum of ₹33,600 is divided among X, Y and Z. X gets ₹4,000 more than Y and Z gets ₹8,000 more than Y. Find the ratio of the amount received by X, Y and Z.

A. 14 : 10 : 17

B. 14 : 11 : 20

C. 13 : 11 : 18

D. 14 : 9 : 19

**Q38 Mathematics**

Two trains of lengths 346 m and 319 m are running with speeds of 67 km/h and 59 km/h, respectively, towards each other on parallel tracks. In how many seconds will they cross each other?

A. 18

B. 19



C. 12

D. 15

Q39 Mathematics

P and Q together can fill a cistern with water in 9 hours. If P alone can fill the cistern with water in 36 hours, then in how many hours will Q alone fill three-fourth of the same cistern with water?

A. 19

B. 10

C. 18

D. 9



Q40 Mathematics

The average of 7 numbers is 23. If each number is increased by 4, what will the new average be?

- A. 23
- B. 31
- C. 7
- D. 27

**Q41 Mathematics**

If $5^{x+y} = 3125$ and $3^{3x-y} = 2187$, then the value of $41x - 32y$ is:

- A. 55
- B. 53
- C. 57
- D. 59

**Q42 Mathematics**

Find a number such that when 8 is subtracted from 4 times the number, the result is 6 more than thrice the number.

- A. 9
- B. 14
- C. 18
- D. 23

**Q43 Mathematics**

A train, 150 m long, takes 30 seconds to cross a platform 350 m long. Find the speed (in km/hr) of the train.

- A. 45
- B. 40
- C. 50
- D. 60

**Q44 Mathematics**

Find the greatest number that exactly divides 46, 98 and 74.

- A. 5
- B. 2
- C. 1
- D. 3

**Q45 Mathematics**

A father's current age is three times his son's age. Together, their ages add up to 48 years. How old is the son?

- A. 14 years
- B. 10 years
- C. 12 years
- D. 16 years

**Q46 Mathematics**

$\frac{1}{30}$ is what percentage of $\frac{2}{40}$? (Round off the answer to two decimal places.)

- A. 133.33%
- B. 81.67%
- C. 66.67%
- D. 76.67%

**Q47 Mathematics**

If $\frac{x^2 - 1}{x} = 4$, then find the value of $\frac{x^6 - 1}{x^3}$.

- A. 66
- B. 82
- C. 80
- D. 76



Q48 Mathematics

Simplify: $\frac{\sin^2\theta(1 + \cot^2\theta)}{\sec^2\theta - 1}$

A. $1 - \cot^2\theta$

B. $\cot^2\theta$ ✓

C. $\tan^2\theta$

D. $\operatorname{cosec}^2\theta$

Q49 Mathematics

Three pipes A, B and C can fill an empty tank in 30 minutes, 40 minutes and 45 minutes, respectively. All three pipes are opened at the same time to disperse liquid chemicals X, Y and Z from pipes A, B and C respectively. After 5 minutes, what is the proportion of chemical Y in the tank?

A. $\frac{9}{29}$ ✓

B. $\frac{29}{72}$

C. $\frac{1}{6}$

D. $\frac{1}{8}$

Q50 Mathematics

If 20% of 50% of $\frac{5}{9}$ of a number is 364, find the number.

A. 6200

B. 6552 ✓

C. 6540

D. 5670

General Intelligence & Reasoning

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

Town D is to the west of Town A. Town C is to the south of Town A. Town B is to the north of Town E. Town E is to the west of Town D. What is the position of Town B with respect to Town C?

A. East

B. North-west ✓

C. South-west

D. North

Q52 General Intelligence & Reasoning

MNPM is related to NOQN in a certain way based on the English alphabetical order. In the same way, UVXU is related to VWYV. To which of the following is JK MJ related, following the same logic?

A. KMK

B. KLNK ✓

C. KLMK

D. KMMQ



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Q53 General Intelligence & Reasoning

In a certain code language,

A + B means 'A is the mother of B',
 A - B means 'A is the brother of B',
 A x B means 'A is the wife of B',
 A % B means 'A is the father of B' and
 A # B means 'A is the daughter of B'.

How is C related to E if 'C - Q x Y % R - E'?

- A. Sister's husband
- B. Wife's brother
- C. Mother's brother ☒
- D. Sister's son

Q54 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

50 44 40 34 ? 24

- A. 38
- B. 36
- C. 30 ☒
- D. 28

Q55 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- A. SU - NP
- B. LN - GI
- C. OQ - JL
- D. PR - KN ☒

Q56 General Intelligence & Reasoning

Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) 5 3 \$ 8 % © 1 % 8 * 5 5 4 # £ & 5 5 £ € 5 € (Right)

How many such numbers are there, each of which is immediately preceded by a symbol and also immediately followed by a symbol?

- A. 5
- B. 3
- C. 4 ☒
- D. 6

Q57 General Intelligence & Reasoning

What will come in the place of '?' in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$231 \div 3 - 721 \times 7 + 24 = ?$

- A. 771
- B. 773
- C. 774
- D. 772 ☒

Q58 General Intelligence & Reasoning

Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion(s) logically follow(s) from the given statements.

Statements:

All hats are trousers.

All trousers are pants.

No pant is a coat.

Conclusions:

(I): No hat is a coat.

(II): No trouser is a coat.

- A. Only conclusion (I) follows
- B. Neither conclusion (I) nor (II) follows
- C. Both conclusions (I) and (II) follow ☒
- D. Only conclusion (II) follows



Q59 General Intelligence & Reasoning

Refer to the given series and answer the question that follows (all numbers are single digit numbers only).
Counting to be done from left to right only.

(Left) 3 8 2 3 7 6 4 2 6 9 2 7 2 3 6 1 4 2 3 5 5 7 9 7 2 6 6
(Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

A. 3

B. 1

C. 4

D. 2

**Q60 General Intelligence & Reasoning**

EKOV is related to WCGN in a certain way based on the English alphabetical order. In the same way, YEIP is related to QWAH. To which of the following options is AGKR related, following the same logic?

A. SCKP

B. SYCJ



C. SCJU

D. SCDE

Q61 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

HNE MRH RVK WZN ?

A. CER

B. BCR

C. ACP

D. BDQ

**Q62 General Intelligence & Reasoning**

If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '-' and 'D' stands for '÷', then what will come in place of the question mark (?) in the following equation?

7 B 4 D 18 A 9 C 16 C 14 = ?

A. 58

B. 56



C. 55

D. 60

Q63 General Intelligence & Reasoning

Refer to the given series and answer the question that follows (all numbers are single digit numbers only).
Counting to be done from left to right only.

(Left) 2 6 3 9 8 9 9 8 1 3 3 7 9 9 9 4 1 4 1 1 7 1 8 8 8 7 6
(Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

A. 9

B. 7



C. 8

D. 6

Q64 General Intelligence & Reasoning

What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

 $42 \times 6 - 12 + 3 \div 5 = ?$

A. 4



B. 7

C. 8

D. 9

Q65 General Intelligence & Reasoning

Piku, Aman, Krishna, Deepa, and Shruti are sitting at a circular table facing the centre. Shruti and Deepa are immediate neighbours. Piku is an immediate neighbour of both Deepa and Krishna. Who are the immediate neighbours of Aman?

A. Piku and Shruti

B. Shruti and Deepa

C. Krishna and Deepa

D. Shruti and Krishna

**Q66 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

12 22 33 45 ? 72

A. 58



B. 56

C. 60

D. 62



Q67 General Intelligence & Reasoning

EL 14 is related to BH 16 in a certain way. In the same way, PW 22 is related to MS 24. To which of the following is NU 27 related, following the same logic?

A. JS 29

B. JQ 28

C. KQ 29



D. KS 28

Q68 General Intelligence & Reasoning

Seven friends, D, E, F, U, V, W and X, are sitting in a straight line, facing north. Only three people sit between U and F. V sits to the immediate left of F. No one sits to the right of X. Only two people sit between X and V. D sits to the immediate right of E. How many people sit between W and D?

A. Three

B. Four

C. Two



D. One

Q69 General Intelligence & Reasoning

Five people, V, W, X, Y and Z, are sitting in a row, facing towards the north. W is sitting at the extreme left end of the row. There are only two people sitting between Z and W. V is an immediate neighbour of Z. X is an immediate neighbour of V. Exactly how many people are sitting between W and Y?

A. None

B. Two

C. One

D. Three

**Q70 General Intelligence & Reasoning**

In a certain code language, 'HEL'S' is coded as '4695' and 'ALES' is coded as '5749'. What is the code for 'A' in the given code language?

A. 9

B. 4

C. 5

D. 7

**Q71 General Intelligence & Reasoning**

Hemant starts from point A and drives 62 km towards the east. He then takes a left turn, drives 40 km, turns left and drives 78 km. He then takes a left turn and drives 71 km. He takes a final left turn, drives 16 km and stops at point P. How far (shortest distance) and towards which direction should he drive in order to reach point A again? (All turns are 90-degree turns only unless specified.)

A. 30 km to the north

B. 31 km to the north



C. 32 km to the south

D. 33 km to the south

Q72 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(28, 56, 45)

(41, 82, 71)

A. (54, 108, 99)

B. (89, 178, 167)



C. (77, 154, 142)

D. (97, 194, 182)

Q73 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

2, 6, 12, 20, 30, ?

A. 42



B. 44

C. 40

D. 38

Q74 General Intelligence & Reasoning

In a row of 48 people facing north, Pari is 13th from the right end. If Vivek sits 16th to the left of Pari, what is Vivek's position from the left end of the line?

A. 20th



B. 18th

C. 21st

D. 19th



Q75 General Intelligence & Reasoning

Refer to the following series and answer the question (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 3 4 3 3 1 4 7 2 9 4 8 2 7 4 4 2 2 5 2 6 9 9 3 2 7 9 8
(Right)

How many such even numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

A. 5

B. 3

C. 4

D. 6

Q76 General Intelligence & Reasoning

Z ranked 21st from the bottom and 63rd from the top in his class. How many students are there in his class?

A. 80

B. 81

C. 83

D. 82

Q77 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some bells are pots.
All pots are machines.

Conclusions:

(I): Some bells are machines.
(II): All machines are pots.

A. Only conclusion (I) follows

B. Both conclusions (I) and (II) follow

C. Only conclusion (II) follows

D. Neither conclusion (I) nor (II) follows

Q78 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. JK-NO

B. XY-AE

C. AB-EF

D. NO-RS

Q79 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

PRT 28 VXZ 21 BDF 14 HJL 7 ?

A. NPR 0

B. NOQ -1

C. NRW -1

D. NQQ 0

Q80 General Intelligence & Reasoning

In a certain code language, 'LEGS' is coded as '5483' and 'ALES' is coded as '2348'. What is the code for 'A' in the given code language?

A. 8

B. 3

C. 2

D. 4



Q81 General Awareness

In October 2024, which minister from Andhra Pradesh met and invited Microsoft CEO Satya Nadella to Andhra Pradesh and sought Microsoft's cooperation in improving e-governance and establishing IT hubs in the state?

- A. N Chandrababu Naidu
- B. Vangalapudi Anitha
- C. Kolusu Parthasarathy
- D. Nara Lokesh

**Q82 General Awareness**

Who was named the 2025 Laureus World Sportsman of the Year for his pole-vaulting record-breaking performances?

- A. Leon Marchand
- B. Carlos Alcaraz
- C. Max Verstappen
- D. Armand Duplantis

**Q83 General Awareness**

Which of the following dignitaries inaugurated Asia's largest telecom, media and technology event, the 9th edition of the India Mobile Congress (IMC) 2025, in New Delhi?

- A. Droupadi Murmu
- B. Narendra Modi
- C. CP Radhakrishnan
- D. Ashwini Vaishnaw

**Q84 General Awareness**

At COP30 (November 2025), the "Baku-Belem Roadmap" aimed to scale climate finance to what annual level by 2035?

- A. US\$10 trillion
- B. US\$1.3 trillion
- C. US\$5.2 trillion
- D. US\$2.5 trillion

**Q85 General Awareness**

Which of the following organisations formed a dedicated task force to support displaced female Afghan athletes or players?

- A. International Hockey Federation
- B. International Olympic Committee
- C. International Cricket Council
- D. International Federation of Association Football

**Q86 General Awareness**

The Income Tax Act, 2025, introduced a new concept to describe assets such as cryptocurrencies and tokenized assets. What is this new concept called?

- A. Digital Currencies
- B. E-Assets
- C. Virtual Digital Assets
- D. Crypto Tokens

**Q87 General Awareness**

Which cyclonic storm in November 2025 caused widespread flooding and prompted disaster relief responses in South India and Sri Lanka?

- A. Cyclone Yaas
- B. Cyclone Amphan
- C. Cyclone Ditwah
- D. Cyclone Tauktae

**Q88 General Awareness**

Who presented India's Third Voluntary National Review (VNR) Report on Sustainable Development Goals (SDGs) in July 2025?

- A. Finance Minister
- B. Prime Minister of India
- C. Vice Chairman, NITI Aayog
- D. External Affairs Minister

**Q89 General Awareness**

On which date was the 94th martyrdom day of Chandra Shekhar Azad observed in 2025?

- A. 26th February
- B. 15th August
- C. 27th January
- D. 27th February



Q90 General Awareness

Which Gujarati children's poet won the Bal Sahitya Puraskar for Tinchak in June 2025?

- A. Nandini Purandare
- B. Parvati Tirkey
- C. Akhil P Dharmajan
- D. Kirtida Brahmabhatt

**Q91 General Awareness**

Which company signed an MoU with the Aeronautical Development Agency (ADA) during Aero India 2025, for the development of Flight Control Actuators for the AMCA programme?

- A. Bharat Dynamics Limited
- B. Godrej & Boyce Manufacturing Company Limited
- C. Tata Advanced Systems
- D. Hindustan Aeronautics Limited

**Q92 General Awareness**

Manu Bhaker, who received the Major Dhyan Chand Khel Ratna Award in 2025, is primarily known for her achievements in which sport?

- A. Hockey
- B. Shooting
- C. Badminton
- D. Para-Athletics

**Q93 General Awareness**

How much funding was allocated to the Khelo India programme for the financial year 2025-26?

- A. ₹10,000 crore
- B. ₹500 crore
- C. ₹1,000 crore
- D. ₹100 crore

**Q94 General Awareness**

The BRICS Summit on 6-7 July 2025 was held in:

- A. New Delhi, India
- B. Shanghai, China
- C. Johannesburg, South Africa
- D. Rio de Janeiro, Brazil

**Q95 General Awareness**

Which of the following banks was fined ₹29.6 lakh by the Reserve Bank of India (RBI) for violating regulations in June 2025?

- A. City Union Bank
- B. HDFC Bank
- C. Canara Bank
- D. Fino Payments Bank

**Q96 General Awareness**

According to the Periodic Labour Force Survey (PLFS), May 2025, what was India's overall unemployment rate reported by the Ministry of Statistics and Programme Implementation (MOSPI)?

- A. 6.6%
- B. 5.1%
- C. 5.6%
- D. 8.5%

**Q97 General Awareness**

Which All-India Financial Institution coordinates financing of Micro, Small and Medium Enterprises (MSME) according to the Dept of Financial Services Annual Report 2024-25 published in March 2025?

- A. Small Industrial Development Bank of India (SIDBI)
- B. National Bank for Agriculture and Rural Development (NABARD)
- C. National Bank for Financing Infrastructure and Development (NaBFID)
- D. Export -Import Bank of India (Exim Bank)

**Q98 General Awareness**

Rajasthan's first Namo Biodiversity Park, inaugurated in October 2025, is located in which district?

- A. Udaipur District
- B. Jaipur District
- C. Kota District
- D. Alwar District



Q99 General Awareness

In July 2024, which Indian scientist was awarded with the Vikram Sarabhai Medal that honours outstanding space science research in developing countries?

- A. Anil Bhardwaj
- B. Govindarajan Padmanabhan
- C. Umesh Varshney
- D. Prahlad Chandra Agrawal

Q100 General Awareness

According to the National Commission for Women data released in January 2025, which Indian state reported the highest number of complaints of domestic violence in 2024?

- A. Uttar Pradesh
- B. Bihar
- C. Rajasthan
- D. Maharashtra



General Science

25 Questions • Answer Key

Q1 General Science

For a convex mirror, where is the centre of curvature located?

- A. At the focus
- B. At the mirror's surface
- C. Behind the mirror
- D. In front of the mirror



Q2 General Science

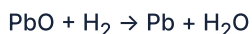
Which of the following is an example of negative work?

- A. Friction acting on a moving object
- B. Lifting a bag upwards
- C. Pushing a moving car forward.
- D. Gravity acting on a falling ball



Q3 General Science

In the given reaction, which of the following reactants has undergone oxidation?



- A. H₂O
- B. PbO
- C. Pb
- D. H₂



Q4 General Science

Match the following pH change and its effect.

Column A (Change)	Column B (Effect)
A. pH ↓ from 7 to 4	1. Increase in acidity
B. pH ↑ from 7 to 10	2. Acid rain forms
C. pH = 7	3. Neutral solution
D. pH < 5.6 in rain	4. Increase in basicity

- A. A-3; B-4; C-2; D-1
- B. A-4; B-3; C-1; D-2
- C. A-2; B-1; C-4; D-3
- D. A-1; B-4; C-3; D-2



Q5 General Science

Read the given statements carefully and select the correct option.

Statement 1: Fleming's left-hand rule is used to find the direction of force (motion) on a current-carrying conductor placed in a magnetic field.

Statement 2: The force on the conductor acts perpendicular to both the current and the magnetic field.

- A. Statement 1 is correct, but 2 is incorrect.
- B. Both statements 1 and 2 are correct.
- C. Statement 1 is incorrect, but 2 is correct.
- D. Both statements 1 and 2 are incorrect.



Q6 General Science

What will be the acceleration due to gravity on a planet whose mass and radius are double that of the Earth? (Take the acceleration due to gravity on Earth as g.)

- A. g/4
- B. g
- C. g/2
- D. 2g



Q7 General Science

Which of the following compounds would have the highest pH when dissolved in water?

- A. Lemon juice
- B. Vinegar solution
- C. Sodium hydroxide
- D. Hydrogen chloride gas



Q8 General Science

Which characteristic of parallel circuits makes them advantageous over series circuits for connecting multiple electrical gadgets in a house?

- A. The current is divided among the electrical gadgets, allowing them to operate independently.
- B. The potential difference across each gadget is unique.
- C. The total resistance is increased, protecting appliances.
- D. If one component fails, the entire circuit is broken.



Q9 General Science

Which element is necessary for the thyroid gland to secrete the thyroxine hormone?

- A. Bromine
- B. Fluorine
- C. Iodine
- D. Chlorine

Q10 General Science

Read the given Assertion (A) and Reason (R) carefully and select the correct option.

(A): Sound waves are transverse waves.

(R): Sound waves require a material medium for their propagation.

- A. Both assertion and reason are false.
- B. Assertion is false and reason is true.
- C. Assertion is true but reason is false.
- D. Both assertion and reason are true and reason is the correct explanation of assertion.

Q11 General Science

Why is variation important in a population of organisms?

- A. It causes extinction of all organisms.
- B. It helps some individuals survive if environmental conditions change.
- C. It prevents reproduction.
- D. It makes organisms identical.

Q12 General Science

The atomic number of an element is equal to which of the following?

- A. Number of protons
- B. Number of electrons
- C. Number of neutrons + number of protons
- D. Number of neutrons

Q13 General Science

Which of the following increases the rate of evaporation?

- A. High humidity and absence of wind movement
- B. Dense atmosphere and generally cool weather
- C. Low surface area and cold air temperature
- D. High temperature and increased wind speed

Q14 General Science

Which of the following factors increases the rate of evaporation?

- A. Increase in surface area
- B. Increase in humidity
- C. Decrease in wind speed
- D. Decrease in temperature

Q15 General Science

Which of the following is NOT the characteristic of epithelial tissue?

- A. Cells have no intercellular spaces.
- B. Skin, kidney tubules are made up of epithelial tissue.
- C. Cells form a continuous sheet.
- D. Cells are loosely arranged.

Q16 General Science

Which part of the flower protects the ovule and later transforms into the fruit?

- A. Stigma
- B. Petal
- C. Sepal
- D. Ovary

Q17 General Science

Which of the following mixtures is a suspension?

- A. Salt water
- B. Milk
- C. Vinegar
- D. Muddy water

Q18 General Science

In the absence of any external force, a moving body will _____.

- A. Stop due to its inertia
- B. Maintain a constant velocity in straight line
- C. Slow down and change its path
- D. Continue to move with constant acceleration



Q19 General Science

A person shows high blood sugar levels even after eating small amounts of food. What may be the cause?

- A. Low thyroxine
- B. Excess growth hormone
- C. Lack of insulin
- D. Excess estrogen

Q20 General Science

If the velocity–time graph of an object is curved, it indicates _____.

- A. Constant speed
- B. Uniform motion
- C. Zero velocity
- D. Non-uniform acceleration

Q21 General Science

In multicellular organisms, why can't simple diffusion alone meet the requirements of all cells?

- A. Because diffusion only transports oxygen
- B. Because all cells are directly exposed to air
- C. Because body size and complexity increase
- D. Because diffusion requires light

Q22 General Science

To accurately locate the image of an extended object formed by a spherical mirror using a ray diagram, what is the minimum number of reflected rays that must intersect (or appear to intersect)?

- A. Three rays
- B. Four rays
- C. Two rays
- D. One ray

Q23 General Science

Which of the following is NOT a function of the cell wall?

- A. Synthesising proteins for the cell
- B. Protecting the cell from mechanical damage
- C. Providing shape to the cell
- D. Helping in cell-to-cell interaction

Q24 General Science

What do members of a homologous series differ from each other by?

- A. Two hydrogen atoms
- B. One carbon atom
- C. One oxygen atom
- D. One carbon atom and two hydrogen atoms

Q25 General Science

Select the option that is true regarding the following two statements labelled Assertion (A) and Reason (R).

Assertion (A): Vasectomy leads to loss of sexual drive in males.

Reason (R): It involves removal of the testes.

- A. Both A and R are true, but R is not the correct explanation of A
- B. A is false, but R is true
- C. Both A and R are false
- D. Both A and R are true, and R is the correct explanation of A

Mathematics

25 Questions • Answer Key

Q26 Mathematics

The amount on a sum of ₹2,800 at 20% per annum compound interest, compounded annually, in 2 years will be:

- A. ₹3,279
- B. ₹4,968
- C. ₹4,032
- D. ₹4,341



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Q27 Mathematics

A shopkeeper offers the following four schemes.

- A) Two successive discounts of 18% and 10%
- B) Buy 2, get 8
- C) Discount of 24%
- D) Two successive discounts of 42% and 45%

Which scheme is best for customers?

A. D

B. C

C. A

D. B

**Q28 Mathematics**

If the radius of a sphere is 6 cm, then its surface area is:

A. $288\pi \text{ cm}^2$

B. $72\pi \text{ cm}^2$

C. $144\pi \text{ cm}^2$



D. $36\pi \text{ cm}^2$

Q29 Mathematics

The sides of a triangle are 80 cm, 44 cm, and 52 cm. What is the length of its altitude corresponding to the side with a length of 44 cm?

A. 94 cm

B. 48 cm



C. 61 cm

D. 49 cm

Q30 Mathematics

The cost of 3 apples and 5 bananas is ₹75. The cost of 4 apples and 2 bananas is ₹86. Find the cost of a banana.

A. ₹5

B. ₹10

C. ₹20

D. ₹3

**Q31 Mathematics**

In an election, there are three candidates: A, B, and C. Candidate A gets 40% of the total valid votes, Candidate B gets 30%, and Candidate C gets the remaining votes. If 12% of the total votes were declared invalid and the total number of voters was 25,000, find the number of votes received by Candidate C.

A. 4400

B. 5500

C. 6600



D. 8800

Q32 Mathematics

The present age of Arman is four times the present age of his cousin, Riya. In 8 years, Arman's age will be three times Riya's age at that time. What is Arman's current age?

A. 48 years

B. 64 years



C. 72 years

D. 56 years

Q33 Mathematics

The average age of 31 students of a class is 35 years. If the age of the teacher is also included, the average age of the whole group becomes 36 years. The age (in years) of the teacher is:

A. 72

B. 69

C. 68

D. 67

**Q34 Mathematics**

If the mean proportional of P and 169 is 104, then find the value of P.

A. 66

B. 64



C. 67

D. 65

Q35 Mathematics

104 men have provisions for 12 weeks. They are joined by 52 men. How long (in weeks) will the provisions last?

A. 8



B. 12

C. 6

D. 10



Q36 Mathematics

Simplify: $[(3x + 4y)^2 - (3x - 4y)^2] \div (24xy)$

A. 2



B. 1

C. -2

D. -1

Q37 Mathematics

Amit purchases an old scooter for ₹5,600. He spends ₹1,400 on its repairs and sells it to Sumit for ₹7,700. Find the profit percentage of Amit.

A. 12%

B. 10%



C. 9%

D. 14%

Q38 Mathematics

The sum of three numbers is 840. If the ratio of the second number to the first number is 3 : 13 and that of the third number to the second number is 8 : 12, then find the second number.

A. 140



B. 142

C. 141

D. 139

Q39 Mathematics

Two trains, each 230 meters long, are running parallel to each other in the same direction. The speed of the faster train is 102 km/h and the speed of the slower train is 66 km/h. How long will it take for the faster train to completely pass the slower train?

A. 56 seconds

B. 36 seconds

C. 42 seconds

D. 46 seconds

**Q40 Mathematics**

Solve : $3 \times (10 \times (2^2)) \div 20 + 13 - 3$

A. 13

B. 17

C. 25

D. 16

**Q41 Mathematics**

The marked price of a toy truck is ₹3,050, and its selling price is ₹2,220. Find the discount percentage. (Round off the answer to two decimal places.)

A. 26.88%

B. 25.98%

C. 29.73%

D. 27.21%

**Q42 Mathematics**

Two trains started from station A to B with speeds of 68 km/h and 82 km/h on parallel lines. Find the distance (in km) between the two trains after 2.5 hours.

A. 40

B. 15

C. 25

D. 35

**Q43 Mathematics**

P and Q together can fill a cistern with water in 9 hours. If P alone can fill the cistern with water in 12 hours, then in how many hours will Q alone fill three-fourth of the same cistern with water?

A. 55

B. 27



C. 54

D. 28

Q44 Mathematics

A cricketer has an average of 54 runs for 9 innings. In the 10th inning, he scores 191 runs. By how many runs did his average increase? (Round off the answer to the nearest whole number.)

A. 5

B. 16

C. 14



D. 17



Q45 Mathematics

$\frac{1}{30}$ is what percentage of $\frac{2}{50}$? (Round off the answer to two decimal places.)

A. 83.33%



B. 166.67%

C. 98.33%

D. 93.33%

Q46 Mathematics

A cylindrical water tank with an internal radius of 70 cm and a height of 1.5 m is completely filled with water. Water is being pumped out at a rate of 5 litres per second. How long will it take for the water level to drop by 50 cm?

(Use $\pi = \frac{22}{7}$)

A. 154 seconds



B. 168 seconds

C. 176 seconds

D. 142 seconds

Q47 Mathematics

Evaluate: $\frac{\sec 33^\circ}{\operatorname{cosec} 57^\circ} + \sqrt{3} \cot 13^\circ \cot 21^\circ \cot 60^\circ \cot 69^\circ \cot 77^\circ - 2(\sin^2 41^\circ + \sin^2 49^\circ)$

A. 5

B. 0



C. 1

D. 2

Q48 Mathematics

Simplify $\frac{(5.9)^3 + (0.1)^3}{(5.9)^2 + (0.1)^2 - 5.9 \times 0.1}$.

A. 600

B. 60

C. 6000

D. 6



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Q49 Mathematics

A and B can complete a job in 18 days and 24 days, respectively. They worked together for 5 days, and then A left the job. In how many days will B finish the remaining work?

A. $15\frac{2}{3}$ days

B. $10\frac{2}{3}$ days

C. $12\frac{1}{3}$ days



D. $14\frac{1}{3}$ days

Q50 Mathematics

If 20% of 50% of $\frac{5}{9}$ of a number is 409, find the number.

A. 7700

B. 7362



C. 10140

D. 7110

General Intelligence & Reasoning

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

In a certain code language, QOEX is coded as 50 and WPIU is coded as 42. What is the code for SANR in that language?

A. 62

B. 67

C. 55

D. 59

**Q52 General Intelligence & Reasoning**

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

YAC-GIK
QSU-YAC

A. JLN-QTU

B. JLN-RTV



C. JKL-QSU

D. JKL-RTV

Q53 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

PPR NQO LRL ? HTF

A. IHY

B. GHT

C. NIJ

D. JSI



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Q54 General Intelligence & Reasoning

This question is based on the five, three-digit numbers given below.

(Left) 426 125 357 489 627 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

Note: All operations to be done from left to right.

If all the numbers are arranged in ascending order, the position(s) of how many numbers will remain unchanged?

A. Three

B. Two

C. One

D. Four

Q55 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. QPS

B. VUW

C. YXZ

D. HGI

Q56 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

2, 3, 5, 8, 12, 17, ?

A. 23

B. 24

C. 26

D. 25

Q57 General Intelligence & Reasoning

In a certain code language, 'ride those horses' is coded as 'dq fn ta' and 'horses run wild' is coded as 'vy dq si'. How is 'horses' coded in the given language?

A. dq

B. vy

C. fn

D. ta

Q58 General Intelligence & Reasoning

Seven boxes A, B, C, D, P, Q and R are kept one over the other but not necessarily in the same order. No box is kept above Q. Only three boxes are kept between Q and D. Only one box is kept between C and B. B is kept immediately above D. Only four boxes are kept between C and R. A is kept at some place above P.

Which box is kept second below A?

A. P

B. B

C. D

D. R

Q59 General Intelligence & Reasoning

In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one that follows the same logic.

PAST - PSTA - ASPT

QUAD - QADU - UAQD

A. TIDE - ITDE - IDET

B. IDEA - IEAD - DEIA

C. VAIN - VIAN - NIAV

D. USER - UERS - SURE

Q60 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 7 5 8 5 8 3 1 5 2 6 1 6 3 1 4 2 4 3 7 8 5 9 5 2 8 2 5
(Right)

How many such even numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

A. 2

B. 5

C. 4

D. 3



Q61 General Intelligence & Reasoning

A, B, C, D, N, O and P are sitting in a straight line, facing the north.

Only two people sit to the left of N. Only three people sit between N and P. O sits second to the right of N. Only two people sit between O and D. C sits at some place to the right of B but at some place to the left of A.

How many people sit to the right of C?

A. Two

B. Three



C. One

D. Four

Q62 General Intelligence & Reasoning

What should come in place of ? in the given series?

17 7 -6 -22 -41 ?

A. -63



B. -64

C. -61

D. -62

Q63 General Intelligence & Reasoning

Mr. Pasto starts from point A and drives 11 km towards North. He then takes a left turn, drives 7 km, turns left and drives 13 km. He then takes a left turn and drives 21 km. He takes a final left turn, drives 2 km and stops at point P. How far (shortest distance) and towards which direction should he drive in order to reach point A again? (All turns are 90-degree turns only, unless specified.)

A. 11 km to the south

B. 13 km to the south

C. 12 km to the west

D. 14 km to the west

**Q64 General Intelligence & Reasoning**

This question is based on the five, three-digit numbers given below.

(Left) 582 128 563 183 592 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

Note: All operations to be done from left to right.

What will be the resultant if third digit of the highest number is added to the second digit of lowest number?

A. 7

B. 4



C. 6

D. 3

Q65 General Intelligence & Reasoning

All 18 students in a class are standing in a row, facing north. Charan is 11th from the right end, while Prakash is 3rd from the left end. How many people stand between Charan and Prakash?

A. 4



B. 5

C. 2

D. 3

Q66 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some balls are hens.

All vans are hens.

Conclusions:

(I) Some balls are vans.

(II) All hens are vans.

A. Neither conclusion (I) nor (II) follows.



B. Only conclusion (I) follows.

C. Only conclusion (II) follows.

D. Both conclusions (I) and (II) follow.



Q67 General Intelligence & Reasoning

Each of the digits in the number 24597831 is arranged in ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

- A. One
- B. None
- C. Two
- D. Three

Q68 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- A. HK-FI
- B. DG-BF
- C. JM-HL
- D. FI-DH

Q69 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

92 - 6 - 86
13 - 8 - 5

- A. 4 - 1 - 2
- B. 12 - 5 - 6
- C. 30 - 12 - 24
- D. 50 - 20 - 30

Q70 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All torches are keys.
All keys are locks.
Some locks are batteries.

Conclusions:

(I): All torches are locks.
(II): Some batteries are torches.

- A. Only conclusion (I) follows
- B. Neither conclusion (I) nor (II) follows
- C. Only conclusion (II) follows
- D. Both conclusions (I) and (II) follow

Q71 General Intelligence & Reasoning

If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 7435681, then what will be the sum of the digits that are third from the left and third from the right?

- A. 14
- B. 10
- C. 8
- D. 6

Q72 General Intelligence & Reasoning

Six people, A, B, C, D, E and F, are sitting in a row, facing north. Only two people sit to the left of F. Only one person sits between D and E. F sits to the immediate left of D. A sits to the immediate right of C. B sits third to the right of A. Who sits at the extreme left end of the row?

- A. D
- B. C
- C. A
- D. B

Q73 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

94 102 118 150 214 ?

- A. 342
- B. 343
- C. 344
- D. 341



Q74 General Intelligence & Reasoning

Currently, the minute hand of a watch is pointing towards the north and the hour hand is pointing towards the east. After two and a half hours, which direction will the minute hand point towards?

A. North

B. South



C. East

D. West

Q75 General Intelligence & Reasoning

If 'P' stands for '×', 'Q' stands for '÷', 'R' stands for '-' and 'S' stands for '+', what will come in place of the question mark (?) in the following equation?

(90 Q 15) P 8 R 7 P 4 S (12 P 3) Q 2 = ?

A. 52

B. 20

C. 38



D. 44

Q76 General Intelligence & Reasoning

Six people, A, B, C, X, Y and Z, are sitting around a circular table, facing towards the centre of the table.

Z is sitting to the immediate left of A.

B is sitting second to the right of Z.

X is an immediate neighbour of both Y and C.

Y is not an immediate neighbour of Z.

What is the position of B with respect to Y?

A. Second to the right

B. Second to the left

C. Immediate right

D. Immediate left

**Q77 General Intelligence & Reasoning**

Refer to the following number series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 2 8 1 7 8 7 6 7 5 2 5 3 (Right)

How many such odd digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

A. Three



B. Two

C. Four

D. One

Q78 General Intelligence & Reasoning

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

STW-ZAD

PQT-WXA

A. TUX-ZBD

B. TUX-ABE



C. TTV-ABE

D. TTV-ZAD

Q79 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

LKN 58 MLO 65 NMP 72 ONQ 79 ?

A. PNQ 85

B. POR 86



C. PUA 85

D. PPQ 86

Q80 General Intelligence & Reasoning

In a certain code language,

A + B means 'A is the son of B',

A - B means 'A is the brother of B',

A x B means 'A is the wife of B',

and A & B means 'A is the father of B'.

How is K related to V if 'KxT-R+Z&V'?

A. Mother

B. Brother's wife



C. Sister

D. Brother's daughter



Q81 General Awareness

Which organisation announced plans to develop a new indicator for measuring extreme poverty in India in 2025?

- A. Reserve Bank of India
- B. World Bank** ✓
- C. NITI Aayog
- D. Ministry of Statistics

Q82 General Awareness

Valueatrics Reinsurance, India's first private reinsurer, which received the nod of the Insurance Regulatory and Development Authority of India (IRDAI) to commence reinsurance business in India in March 2025 is promoted by which of the following individuals/entities?

- A. Nandan Nilekani and SBI Life
- B. Prem Watsa and Kamesh Goyal** ✓
- C. Rakesh Jhunjhunwala and Axis Bank
- D. Uday Kotak and LIC

Q83 General Awareness

What was the name of the official mascot of the Khelo India Para Games 2025?

- A. Shakti
- B. Veer
- C. Ujjwala** ✓
- D. Sparky

Q84 General Awareness

In June 2025, who was elected as the President of the International Institute of Administrative Sciences (IIAS) for the 2025–2028 term from India?

- A. GC Murmu
- B. KM Chandrasekhar
- C. NV Subramanian
- D. V Srinivas** ✓

Q85 General Awareness

What was the Supreme Court's decision on April 28, 2025, regarding a new petition on the Waqf (Amendment) Act?

- A. It dismissed all pending cases.
- B. It declined to entertain the fresh plea.** ✓
- C. It accepted the petition for immediate hearing.
- D. It referred the plea to the High Court.

Q86 General Awareness

What were Suruchi Singh's final two shot scores that clinched gold at the 2025 International Shooting Sport Federation (ISSF) World Cup in Munich?

- A. 10.0 and 9.0
- B. 9.5 and 8.5
- C. 10.5 and 9.5** ✓
- D. 10.6 and 9.6

Q87 General Awareness

Which apex agricultural research body is associated with the Indian Institute of Soil Science that organised World Soil Day celebrations in December 2025?

- A. Central Soil Salinity Research Institute
- B. Council of Scientific and Industrial Research
- C. National Horticulture Board
- D. Indian Council of Agricultural Research** ✓

Q88 General Awareness

Which organisation developed Delhi's first Centre of Excellence for Sports in Dwarka's Sector 8, inaugurated in May 2025?

- A. Delhi Development Authority (DDA)** ✓
- B. Delhi Metro Rail Corporation (DMRC)
- C. Indian Olympic Association (IOA)
- D. Sports Authority of India (SAI)

Q89 General Awareness

What is significant about the CMS-03 satellite launch by Indian Space Research Organisation in November 2025?

- A. It is the first private payload launched from India.
- B. It is the first navigation satellite mission from India.
- C. It is the heaviest communication satellite launched by India.** ✓
- D. It is India's first Mars mission satellite.

Q90 General Awareness

Who won the men's javelin event at the Ostrava Golden Spike meet in June 2025 by becoming the only athlete to throw beyond 85 metres, with a mark of 85.29 m?

- A. Anderson Peters
- B. Julian Weber
- C. Jakub Vadlejch
- D. Neeraj Chopra** ✓



Q91 General Awareness

Where did Jeff Bezos and Lauren Sánchez hold their lavish wedding in June 2025?

- A. Dubrovnik, Croatia
- B. Venice, Italy
- C. Santorini, Greece
- D. Cannes, France

**Q92 General Awareness**

In the 2025 Global Hunger Index (GHI), where does India rank among the 123 countries assessed?

- A. 85th
- B. 10th
- C. 105th
- D. 102nd

**Q93 General Awareness**

According to the 2025 Sustainable Development Report, what is India's Spillover Score?

- A. 86.95
- B. 90.07
- C. 96.07
- D. 99.95

**Q94 General Awareness**

Which of the following major wildlife surveys did the Indian Prime Minister announce to be conducted in 2025?

- A. Great Indian Bustard Survey
- B. Bengal Tiger Count
- C. 16th Asiatic Lion Population Estimation
- D. National Elephant Census

**Q95 General Awareness**

Which of the following introduced NACH 3.0 in July 2025, bringing faster and more secure bank transactions under the National Automated Clearing House (NACH) system?

- A. Reserve Bank of India
- B. National Payments Corporation of India
- C. Life Insurance corporation
- D. National Securities Depository Limited

**Q96 General Awareness**

Which of the following states introduced the strengthening of the SHe-Box portal in May 2025?

- A. Maharashtra
- B. Uttar Pradesh
- C. Tamil Nadu
- D. Punjab

**Q97 General Awareness**

A total of ₹6,000 crore has been allocated for the 'PM - One Nation One Subscription' initiative. How many years cost does this amount cover?

- A. Six
- B. Three
- C. Five
- D. Two

**Q98 General Awareness**

As part of Tripura's tech-driven disaster preparedness initiative launched in August 2025, how many automated weather stations and rain gauges are proposed to be installed?

- A. 15
- B. 14
- C. 26
- D. 10

**Q99 General Awareness**

Who won the Men's Ballon d'Or, 2025?

- A. Lionel Messi
- B. Cristiano Ronaldo
- C. Ousmane Dembele
- D. Kylian Mbappe

**Q100 General Awareness**

What happens to a Prime Minister, Chief Minister, or Minister if bail is not granted within 30 days under the Constitution (130th Amendment) Bill 2025?

- A. Legal appeal
- B. Temporary suspension
- C. Automatic removal
- D. Parliamentary review



General Science

25 Questions • Answer Key

Q1 General Science

Which of the following is a homologous series?

A. Methane, Ethane, Propane



B. Methane, Methanol, Methanoic acid

C. Methane, Ethane, Ethene

D. Ethene, Ethyne, Ethane

Q2 General Science

An object is placed beyond the centre of curvature (C) of a concave mirror. The image formed will be now:

A. Virtual, erect, and magnified

B. Real, inverted, and diminished



C. Real, inverted, and same size

D. Real, inverted, and magnified

Q3 General Science

Carbon has the unique ability to form bonds with other atoms of carbon, giving rise to large molecules. This property is called:

A. addition

B. catenation



C. conjugation

D. unification

Q4 General Science

Which of the following is a major environmental disadvantage of big dams?

A. Submergence of forests



B. Creation of recreational spaces

C. Water conservation

D. Increased biodiversity

Q5 General Science

Ethanoic acid is commonly known as acetic acid and has:

A. A basic pH and slippery feel

B. A strong fruity smell in water

C. No effect on litmus or metals

D. A sharp, sour smell and taste



Q6 General Science

If a body of mass m is raised to a height h in a gravitational field of acceleration g , its potential energy depends on:

A. m , g and h



B. h only

C. g only

D. m only

Q7 General Science

Which of the statement(s) is/are NOT true about the phenomenon of scattering of light:

(i) The amount of scattering light undergoes is independent of the size of particles of the medium through which light is passing.

(ii) The amount of scattering is directly proportional to the wavelength of light.

(iii) The colour of the sky appears blue as blue light undergoes more scattering as compared to red light.

(iv) The colour of danger signal is red as red colour undergoes least amount of scattering when passing through fog.

A. Both (ii) and (iii)

B. Both (i) and (ii)



C. Both (i) and (iii)

D. Both (iii) and (iv)

Q8 General Science

Which of the following best explains why combination reactions are often exothermic?

A. They involve formation of bonds, which absorb energy.

B. They involve the breaking of bonds only.

C. They require light to proceed.

D. They release energy due to stable product formation.



Q9 General Science

Select the correct option regarding the following two statements labelled Assertion (A) and Reason (R).

Assertion (A): Monoculture plantations often fail to meet the diverse needs of forest-dependent villagers.

Reason (R): These plantations provide medicinal herbs, food and fuel for villagers.

- A. Both A and R are true, but R is not the correct explanation of A.
- B. A is true, but R is false.**
- C. Both A and R are true, and R is the correct explanation of A.
- D. A is false, but R is true.

Q10 General Science

The main purpose of designing a hall with curved walls and ceilings is _____.

- A. to make the sound louder only near the stage
- B. to reduce the speed of sound
- C. to make the hall look beautiful
- D. to ensure uniform sound distribution**

Q11 General Science

Which of the following statements about ions is correct?

- A. A cation is a negatively charged species.
- B. Sodium chloride consists of neutral sodium and chloride atoms.
- C. Ions are formed only from non-metal atoms.
- D. A group of atoms carrying a net charge is called a polyatomic ion.**

Q12 General Science

_____ is/are NOT selectively re-absorbed from the filtrate in the nephron.

- A. Urea**
- B. Amino acids
- C. Glucose
- D. Salts

Q13 General Science

Which of the following methods of reproduction simply involves the splitting of the parent cell into two daughter cells in the bacteria?

- A. Binary fission**
- B. Fragmentation
- C. Spore formation
- D. Budding

Q14 General Science

Which of the following statements best differentiates a mixture from a compound?

- A. A mixture always contains elements in a fixed ratio.
- B. A compound can be separated into its constituents by physical methods.
- C. A mixture retains the individual properties of its constituents.**
- D. A compound shows the properties of its constituent elements.

Q15 General Science

Which colour do silver articles attain when they get corroded and form a coating of silver sulphide?

- A. Black**
- B. Remains silver
- C. White
- D. Reddish brown

Q16 General Science

Which of the following organelles is the first to divide during binary fission in Amoeba?

- A. Vacuole
- B. Nucleus**
- C. Cell wall
- D. Cytoplasm

Q17 General Science

Through which of the following structures does urine go into the urinary bladder from kidneys?

- A. Vena cava
- B. Artery
- C. Ureters**
- D. Vein



Q18 General Science

What effect does an unbalanced force have on a moving object?

- A. It increases the weight of the object.
- B. It causes a change in speed or direction of motion. ✓
- C. It keeps the object at rest.
- D. It stops the object immediately.

Q19 General Science

What is the main purpose of cell division in multicellular organisms?

- A. Transport of substances through the cell membrane
- B. Absorption of nutrients and release of wastes
- C. Formation of vacuoles and maintenance of turgidity
- D. Growth, repair, and replacement of damaged or old cells ✓

Q20 General Science

If the length of a conductor and area is halved, keeping material same, then its resistance will _____.

- A. Be halved
- B. Become four times
- C. Remain same ✓
- D. Be doubled

Q21 General Science

What is the equivalent of 1 kilowatt-hour (kWh) in joules?

- A. $1 \text{ kWh} = 3.6 \times 10^6 \text{ joules}$ ✓
- B. $1 \text{ kWh} = 36 \times 10^{-6} \text{ joules}$
- C. $1 \text{ kWh} = 3.6 \times 10^3 \text{ joules}$
- D. $1 \text{ kWh} = 360 \text{ joules}$

Q25 General Science

According to Rutherford's model of an atom, the radius of an atom in metre is about:

- A. 10^{15}
- B. 10^{10}
- C. 10^{-10} ✓
- D. 10^{-5}

Q22 General Science

If the stigma of a flower is damaged, which process would most likely be affected?

- A. Formation of petals and sepals
- B. Fruit ripening
- C. Seed dispersal
- D. Pollination and fertilisation ✓

Q23 General Science

A car slows down uniformly when brakes are applied, producing an acceleration of 8 m/s^2 opposite to its motion. If the car comes to rest in 2s, what distance does it cover before stopping?

- A. 12 m
- B. 16 m ✓
- C. 20 m
- D. 8 m

Q24 General Science

A body weighs 60 kg wt on the surface of the moon. What will be the mass and the weight, respectively, of the body on the surface of the Earth?

(Take the value of g on Earth as 10 m/s^2)

- A. 600 kg and 360 kg wt
- B. 360 kg and 360 kg wt ✓
- C. 36 kg and 360 kg wt
- D. 60 kg and 36 kg wt



Q26 Mathematics

A vertical pole stands on level ground. From a point 20 metres (m) away from the base of the pole, the angle of elevation to the top is 45° . What is the height of the pole?

A. 20 m



B. 25 m

C. 10 m

D. 15 m

Q27 Mathematics

For 10 innings, a cricketer has an average of 76 runs. In the 11th innings, he scores 193 runs. His average score increased by (rounded off to the nearest whole number):

A. 6

B. 11



C. 8

D. 9

Q28 Mathematics

The length of each side of a rhombus is 20 cm, and the length of one of the diagonals is 24 cm. Find the area (in cm^2) of the rhombus.

A. 384



B. 268

C. 356

D. 284

Q29 Mathematics

What is the minimum value that must be assigned to A so that the 8-digit number 130A1568 is divisible by 8?

A. 3

B. 0



C. 5

D. 2

Q30 Mathematics

A man buys a watch for ₹1,200 and sells it at a 10% loss. What is the selling price?

A. ₹1,180

B. ₹1,080



C. ₹1,220

D. ₹1,240

Q31 Mathematics

The distance between points A and B is 964 km. Kamlesh travels from A to B at 48 km/hr and returns at 52 km/hr. Find his average speed for the entire journey.

A. 51.85 km/hr

B. 48.86 km/hr

C. 49.92 km/hr



D. 50.69 km/hr

Q32 Mathematics

The price of fuel decreases by 35%, 40% and 50% in three successive months, but increases by 45% in the fourth month. What is the percentage increase/decrease in the price of fuel in the fourth month as compared to its original price? (Round off your answer to two decimal places.)

A. Increases by 77.27%

B. Decreases by 71.73%



C. Decreases by 70.64%

D. Increases by 76.37%

Q33 Mathematics

A brother is 2 years younger than his sister, and together their ages sum to 26 years. How old is the sister?

A. 12 years

B. 14 years



C. 18 years

D. 16 years

Q34 Mathematics

Find the value of r , if $25^{(r-1)} + 100 = 5^{(2r-1)}$

A. 2



B. 3

C. 4

D. 1

Q35 Mathematics

The arithmetic mean of the observations 18, 74, 33, 16, 35, 96, 40, 68 and 43 is:

A. 43

B. 47



C. 41

D. 44



Q36 Mathematics

The ratio of three numbers is 10 : 21 : 16. If 60 percent of the first number is 12, then what would be 40 percent of the difference of third and second number?

A. 5

B. 6

C. 2

D. 4

**Q37 Mathematics**

What price should Amit mark on a pair of jeans which cost him ₹7,700, so as to gain 32% after allowing successive discounts of 16% and 20%?

A. ₹14,993

B. ₹15,125



C. ₹15,183

D. ₹14,997

Q38 Mathematics

If $54 : A :: A : 150$, then find the positive value of A.

A. 87

B. 90



C. 93

D. 89

Q39 Mathematics

The monthly incomes of two friends, Vijay and Mohan, are in the ratio 5 : 9, respectively, and each of them saves ₹4,2000 every month. If the ratio of their monthly expenditure is 2 : 4, find the monthly income of Vijay (in ₹).

A. 2,11,000

B. 2,10,000



C. 2,09,000

D. 2,94,000

Q40 Mathematics

The amount on a sum of ₹7,100 at 10% per annum compound interest, compounded annually, in 2 years, will be:

A. ₹8,591



B. ₹8,468

C. ₹8,828

D. ₹9,031

Q41 Mathematics

Successive discounts of 20% and 29% are equivalent to a single discount of:

A. 43.2%



B. 42.5%

C. 46.66%

D. 46.44%

Q42 Mathematics

In a quadrilateral ABCD, $\angle A = 62^\circ$ and $\angle B = 19^\circ$. The bisectors of $\angle C$ and $\angle D$ meet at O. What is the measure of $\angle DOC$?

A. 28.5° B. 34° C. 40.5° D. 50° **Q43 Mathematics**

Find the product of two numbers whose sum is 24 and whose difference is 8.

A. 118

B. 128



C. 132

D. 124

Q44 Mathematics

A, B and C can do a piece of work in 3, 8 and 24 days, respectively. How long (in days) will they take to do twice the same work, working together?

A. 5

B. 12

C. 4



D. 8



Q45 Mathematics

From a solid cylinder of height 48 cm and radius 14 cm, a conical cavity of radius 7 cm and height 24 cm is drilled out from one end of the cylinder. A hemisphere of radius 14 cm is scooped out from the other end. Find the total surface area (in cm^2) of the remaining solid.

(Take $\pi = \frac{22}{7}$)

A. 6463

B. 6864

C. 6468



D. 6870

Q46 Mathematics

If $x^2 - 3x - 1 = 0$, find the value of $x^2 + \frac{1}{x^2} - 6$.

A. 3

B. 7

C. 9

D. 5

**Q47 Mathematics**

$\frac{1}{30}$ is what percentage of $\frac{1}{100}$ (rounded off to two decimal places)?

A. 666.67%

B. 343.33%

C. 333.33%



D. 348.33%

Q48 Mathematics

The value of $\left(\frac{75983 \times 75983 - 45983 \times 45983}{30000} \right)$ is:

A. 121966



B. 145214

C. 131325

D. 141669

Q49 Mathematics

250m 150m 300m 270m

A. 150m

B. 250m

C. 300m



D. 270m



Q50 Mathematics

Three taps, A, B and C, can fill a tank in 12 hours, 15 hours and 18 hours, respectively. If tap A is open all the time and tap B and C are opened for one-one hour each alternately starting with tap B first, in how many hours will the tank be filled?

A. $5\frac{2}{11}$ hours

B. $6\frac{8}{9}$ hours

C. $3\frac{5}{7}$ hours

D. $4\frac{3}{8}$ hours

General Intelligence & Reasoning

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

If 1 is added to each odd digit and 1 is subtracted from each even digit in the number 3215674, which of the following digits will be first from the right?

A. 4

B. 3

C. 8

D. 1

Q52 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(57, 56.4, 58.4)

(49, 48.4, 50.4)

A. (83, 82.4, 84.4)

B. (75, 74.4, 77.4)

C. (58, 57.4, 60.4)

D. (91, 89.4, 91.4)

Q53 General Intelligence & Reasoning

If 2 is added to each even digit and 1 is subtracted from each odd digit in the number 31264759, then what will be the sum of the second digit from the left and the third digit from the right in the new number thus formed?

A. 12

B. 6

C. 8

D. 10

Q54 General Intelligence & Reasoning

Refer to the following series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 9 1 8 6 9 1 8 4 8 2 6 9 7 2 6 5 9 8 4 7 1 9 1 6 9 6 5

(Right)

How many such even numbers are there (from left to right) each of which is immediately preceded by an odd number and also immediately followed by an even number?

A. 5

B. 3

C. 6

D. 4

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Q55 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. LJJ



B. DAB

C. EBC

D. WTU

Q56 General Intelligence & Reasoning

KNKM is related to LOLN in a certain way based on the English alphabetical order. In the same way, ILIK is related to JM JL. To which of the given options is OROQ related, following the same logic?

A. PTOX

B. PROR

C. PSOR

D. PSPR

**Q57 General Intelligence & Reasoning**

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. XB-ZD

B. HL-JN

C. PT-QX



D. MQ-OS

Q58 General Intelligence & Reasoning

In a certain code language, 'light reveals truth' is coded as 'rn ea kw' and 'truth guides paths' is coded as 'ib rn xu'. How is 'truth' coded in the given language?

A. rn



B. ib

C. kw

D. ea

Q59 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

21 28 38 51 67 ?

A. 84

B. 86



C. 87

D. 85

Q60 General Intelligence & Reasoning

Which of the following letter-clusters will replace the question mark (?) in the given series to make it logically complete?

XLD, AOG, DRJ, GUM, ?

A. JXQ

B. JYQ

C. JYP

D. JXP

**Q61 General Intelligence & Reasoning**

BYRS is related to LIBC in a certain way based on the English alphabetical order. In the same way, PMFG is related to ZWPQ. To which of the given options is TQJK related, following the same logic?

A. DATU



B. DUTA

C. DTRE

D. DATB

Q62 General Intelligence & Reasoning

This question is based on the five, three-digit numbers given below.

(Left) 128 945 371 539 276 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

NOTE - All operations to be done from left to right.

What will be the resultant if the second digit of the highest number is added to the third digit of the lowest number.

A. 8

B. 11

C. 9

D. 12



Q63 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All bolts are screws.
All bolts are nuts.
All nuts are rivets.

Conclusions:

(I): All bolts are rivets.
(II): Some nuts are screws.

- A. Only conclusion (I) follows
- B. Neither conclusion (I) nor (II) follows
- C. Both conclusions (I) and (II) follow ✓
- D. Only conclusion (II) follows

Q64 General Intelligence & Reasoning

Town A is to the east of Town B. Town C is to the south of Town A. Town D is to the west of Town C. Town E is to the north of Town D. Town B is to the north-west of Town E. What is the position of Town A with respect to Town E?

- A. North-east ✓
- B. South-west
- C. North-west
- D. South-east

Q65 General Intelligence & Reasoning

Seven boxes, B, D, E, P, S, T and W, are kept one over the other but not necessarily in the same order. Only three boxes are kept below W. Only two boxes are kept between W and P. Only B is kept above D. T is kept at some place below E and at some place above S. Which box is kept at second position from the bottom?

- A. E
- B. P
- C. S ✓
- D. T

Q66 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All potatoes are bananas.
All bananas are apples.

Conclusions:

(I) All potatoes are apples.
(II) Some apples are bananas.

- A. Only conclusion (II) follows.
- B. Only conclusion (I) follows.
- C. Both conclusions (I) and (II) follow. ✓
- D. Neither conclusion (I) nor (II) follows.

Q67 General Intelligence & Reasoning

Eight people – A, B, C, D, E, F, G and H, are sitting around a circular table facing the centre. Only two people sit between A and G when counted from the left of G. B sits to the immediate left of G. Only three people sit between C and B when counted from the left of C. E sits to the immediate right of D. F is not an immediate neighbour of B. Who sits second to the right of H?

- A. G ✓
- B. E
- C. C
- D. F

Q68 General Intelligence & Reasoning

In a certain code language,
'A + B' means 'A is the brother of B',
'A – B' means 'A is the husband of B',
'A × B' means 'A is the sister of B' and
'A ÷ B' means 'A is the mother of B'.

How is P related to T if 'P + Q – R ÷ S × T'?

- A. Father's brother ✓
- B. Mother's brother
- C. Mother's father
- D. Father's father



Q69 General Intelligence & Reasoning

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

HCU : LAY
PYC : TWG

- A. TKG : XHK
- B. YCR : AYT
- C. WGD : ABH
- D. XUK : BSO

**Q70 General Intelligence & Reasoning**

Six people G, H, I, Q, R and S are sitting in a straight line facing the north. No one is seated to the left of R. Only three people are seated between R and G. Only three people are seated to the right of H. Q is seated to the immediate left of H. S is not an immediate neighbor of H. How many people are seated between S and I?

- A. Three
- B. Two
- C. One
- D. Four

**Q71 General Intelligence & Reasoning**

A, B, C and D opened shopping complexes in the same city. The shopping complex of A is 6 km west of the shopping complex of B. The shopping complex of C is 4 km north of the shopping complex of B. The shopping complex of D is 6 km west of the shopping complex of C. In which direction is the shopping complex of D from the shopping complex of A?

- A. North
- B. South
- C. East
- D. West

**Q72 General Intelligence & Reasoning**

This question is based on the five, three-digit numbers given below.

(Left) 562 428 653 154 749 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

What will be the resultant if the second digit of the second highest number is added to the third digit of the second lowest number?

- A. 14
- B. 13
- C. 12
- D. 11

**Q73 General Intelligence & Reasoning**

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only).

(Left) 6 1 2 1 8 4 2 3 1 7 5 3 5 9 8 5 2 1 9 3 6 6 7 2 6 7 5
(Right)

How many such even numbers are there (from left to right), each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- A. 3
- B. 5
- C. 4
- D. 2

**Q74 General Intelligence & Reasoning**

If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '−', then what will come in place of the question mark (?) in the following equation?

42 A 6 D 5 B 3 C 18 = ?

- A. 13
- B. 6
- C. 10
- D. 18



Q75 General Intelligence & Reasoning

In a row of 52 people facing north, Dimple sits 17th from the left end. If only 15 people sit to the right of Avni, then how many people sit between Dimple and Avni?

A. 21

B. 19



C. 18

D. 20

Q76 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

168 181 196 209 224 ?

A. 237



B. 235

C. 238

D. 239

Q77 General Intelligence & Reasoning

In a certain code language, 'rain hall pig' is coded as 'kq zz nl' and 'pig bean error' is coded as 'hu mt zz'. How is 'pig' coded in that language?

A. kq

B. hu

C. nl

D. zz

**Q78 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

808 818 829 841 854 ?

A. 864

B. 866

C. 868



D. 862

Q79 General Intelligence & Reasoning

Which of the given letter-number clusters will replace the question mark (?) in the following series to make it logically complete?

YCG 18 HLP 23 QUY 28 ZDH 33 ?

A. IRB 37

B. INP 38

C. IMQ 38



D. ILP 37

Q80 General Intelligence & Reasoning

Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north. B is seated third from the right end. G is third to the left of D. E is seated to the right of B and at one of the ends. Only two people are seated between F and E. A does not sit at any of the extreme ends. Who is seated at the extreme left end?

A. F

B. G

C. C



D. D

General Awareness

20 Questions • Answer Key

Q81 General Awareness

As of June 2025, how many times has the Indian men's junior hockey team won the Junior Asia Cup?

A. 1

B. 7

C. 4

D. 5

**Q82 General Awareness**

Which city ranked first in Category-1 (population of over 10 lakh) in the Swachh Vayu Sarvekshan Awards, 2025?

A. Indore



B. Jabalpur

C. Agra

D. Surat



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Q83 General Awareness

The ISSF World Cup is associated with which of the following sports?

- A. Skiing
- B. Squash
- C. Shooting ✓
- D. Swimming

Q84 General Awareness

At the Asian Para-Badminton Championship 2025 held in Thailand, how many total medals did Indian shuttlers win?

- A. 25
- B. 20
- C. 27 ✓
- D. 30

Q85 General Awareness

Who defended the 100 m hurdles title and set a Championships record of 12.96 s at the Asian Athletics Championships in May 2025?

- A. Vithya Ramraj
- B. Jyothi Yarraji ✓
- C. Anu Raghavan
- D. Pooja Singh

Q86 General Awareness

The Insurance Regulatory and Development Authority of India's (IRDAI) June 2025 advisory on the Air India AI-171 crash was issued to which of the following stakeholders?

- A. All Banks and NBFCs
- B. All Insurers and Reinsurers ✓
- C. Only Life Insurers
- D. Only General Insurers

Q87 General Awareness

Which classical Bharatanatyam talent aged 14 received the Nritya Kala Bhushan Bal Puraskar in May 2025?

- A. Malavika Nair
- B. Chetna V ✓
- C. Sudha Chandran
- D. Ravi Shankar

Q88 General Awareness

In October 2025, which national park was in the news for launching India's first-ever cheetah safari for tourists?

- A. Kaziranga National Park, Assam
- B. Kuno National Park, Madhya Pradesh ✓
- C. Ranthambore National Park, Rajasthan
- D. Jim Corbett National Park, Uttarakhand

Q89 General Awareness

On 13 September 2025, the Ministry of Youth Affairs & Sports announced the second edition of which of the following events aimed at higher participation, new tracks, and broader outreach?

- A. Viksit Bharat Youth Development Forum – 2026
- B. Viksit Bharat Young Leaders Dialogue – 2026 ✓
- C. Viksit Bharat Youth Leadership Summit – 2026
- D. Viksit Bharat Young Innovators Conference – 2026

Q90 General Awareness

Which level of school education had the best pupil-teacher ratio (PTR) according to the UDISE+, 2024–25, report?

- A. Preparatory (Classes 6–8)
- B. Foundational (Classes 1–5) ✓
- C. Secondary (Classes 9–12)
- D. Middle (Classes 6–8)

Q91 General Awareness

What was the Reserve Bank of India's repo rate in April 2025 after the 54th meeting of the Monetary Policy Committee (MPC)?

- A. 6.00% ✓
- B. 7.00%
- C. 6.75%
- D. 6.50%

Q92 General Awareness

Which city hosted WWE's 'Night of Champions' on 28 June 2025?

- A. Dubai, UAE
- B. Riyadh, Saudi Arabia ✓
- C. Istanbul, Turkey
- D. Cairo, Egypt



Q93 General Awareness

In November 2025, 79 spotted deer were moved to which national park as part of conservation efforts in India?

- A. Sultanpur National Park
- B. Kaziranga National Park
- C. Keoladeo National Park
- D. Chandoli National Park

**Q94 General Awareness**

Which of the following bodies released the report titled 'India's Blue Economy: Strategy for Harnessing Deep-Sea and Offshore Fisheries' in October 2025?

- A. Indian Ocean Research Institute
- B. Marine Products Export Development Authority
- C. NITI Aayog
- D. National Fisheries Development Board

**Q95 General Awareness**

When was the 130th Constitutional Amendment Bill introduced in the Lok Sabha?

- A. August 2025
- B. January 2025
- C. July 2025
- D. April 2025

**Q96 General Awareness**

Which of the following schemes is NOT converged into the Pradhan Mantri Virasat Ka Samvardhan scheme?

- A. Nai Roshni
- B. Hamari Dharohar
- C. Atal Pension Yojana
- D. Seekho Aur Kamao

**Q97 General Awareness**

Which edition of the WHO Global Summit on Traditional Medicine will be held in New Delhi in December 2025?

- A. 3rd Edition
- B. 1st Edition
- C. 2nd Edition
- D. 4th Edition

**Q98 General Awareness**

The U.S.–Turkey Nuclear Cooperation Agreement, signed in 2025, primarily focuses on developing which category of advanced nuclear reactors?

- A. Small Modular Reactors
- B. Fusion Reactors
- C. Molten Salt Reactors
- D. Fast Breeder Reactors

**Q99 General Awareness**

According to reports released in May 2025, DRR Dhan 100 (Kamala), a genome-edited rice variety developed by ICAR-IIRR, Hyderabad, is a derivative of which of the following rice varieties?

- A. MTU 1010
- B. IR64
- C. Swarna
- D. Samba Mahsuri

**Q100 General Awareness**

At which institution was India's first AI teacher introduced?

- A. Loyola College, Chennai
- B. St. Thomas College, Thrissur
- C. Government College of Teacher Education, Thiruvananthapuram
- D. KTCT Higher Secondary School, Thiruvananthapuram



General Science

25 Questions • Answer Key

Q1 General Science

Which of the following are generally sensitive to touch and help plants in climbing?

- A. Flowers
- B. Thorns
- C. Seeds
- D. Tendrils



Q2 General Science

Complex tissues are made up of:

- A. one type of cells
- B. only one cell
- C. more than one type of cells
- D. no cells



Q3 General Science

In plants, how does sexual reproduction leads to better survival in offspring?

- A. Offspring show new genetic recombination
- B. Offspring are born faster
- C. Offspring are exact clones
- D. Offspring do not show any variation



Q4 General Science

What happens to the energy of an object just before it hits the ground while falling freely?

- A. Its kinetic energy becomes highest, and its potential energy becomes lowest.
- B. Both its kinetic and potential energy become zero.
- C. Its potential energy is at its highest, and its kinetic energy becomes lowest.
- D. It has equal amounts of potential and kinetic energy.



Q5 General Science

Which part of the Bryophyllum plant produces buds for vegetative propagation?

- A. Flower
- B. Leaf margins
- C. Pedicel
- D. Tip of the leaf



Q6 General Science

Select the correct option regarding the following two statements labelled Assertion (A) and Reason (R).

Assertion (A): Zinc can displace copper from copper sulphate solution.

Reason (R): Zinc is less reactive than copper.

- A. Both A and R are true, and R is not the correct explanation of A.
- B. A is false, but R is true.
- C. Both A and R are true, and R is the correct explanation of A.
- D. A is true, but R is false.



Q7 General Science

What helps in the upward movement of water and minerals in plants?

- A. Transpiration pull and root pressure
- B. Active transport in leaf cells
- C. Diffusion of gases in stomata
- D. Conversion of sunlight into starch



Q8 General Science

Adding dilute hydrochloric acid to zinc granules produces hydrogen gas. This is an example of which of the following?

- A. Physical change
- B. Chemical change
- C. Mixture formation
- D. Dissolution



Q9 General Science

In daily life, the heating effect of electric current is used in which of the following?

- A. Electric bell and buzzer
- B. Electric fan and motor
- C. LED and torch
- D. Electric heater, electric iron, and fuse



Q10 General Science

Which of the following is a characteristic property of ionic compounds?

- A. Insoluble in water
- B. Low melting point
- C. Poor electrical conductivity in molten state
- D. Strong electrostatic forces between ions ✓

Q11 General Science

The velocity-time graph of a particle moving with uniform acceleration is a:

- A. curve concave upward
- B. straight line inclined to time axis ✓
- C. vertical line
- D. horizontal line

Q12 General Science

What is the ratio of carbon to oxygen by mass, in carbon dioxide?

- A. 3:8 ✓
- B. 2:4
- C. 1:2
- D. 6:8

Q13 General Science

What is the function of the secretions from the prostate gland and seminal vesicles in the male reproductive system?

- A. To destroy weak sperms
- B. To prevent mixing of urine and sperms
- C. To eliminate waste from sperms
- D. To provide nutrition and aid in sperm transport ✓

Q14 General Science

What is formed when ethanol is oxidised using an oxidising agent like alkaline KMnO_4 ?

- A. Acetone
- B. Ethanoic acid ✓
- C. Methane
- D. Methanoic acid

Q15 General Science

Ethanoic acid reacts with ethanol in the presence of concentrated H_2SO_4 to form:

- A. sodium acetate
- B. methanol
- C. ethyl ethanoate ✓
- D. acetone

Q16 General Science

In the electrolytic refining of copper, which of the following correctly describes the role of electrodes?

- A. Both electrodes are made of pure copper
- B. Both electrodes are made of impure copper
- C. Impure copper is used as anode and pure copper as cathode ✓
- D. Pure copper is used as anode and impure copper as cathode

Q17 General Science

Which of the following statements is true regarding the twinkling of the stars?

- (i) The stars twinkle as they have light of their own.
- (ii) The stars twinkle due to reflection of light.
- (iii) There is apparent change in the position of the star during the night time.
- (iv) The stars twinkle due to atmospheric refraction.

- A. Both (i) and (iv)
- B. Both (iii) and (iv) ✓
- C. Both (ii) and (iii)
- D. Both (i) and (ii)

Q18 General Science

If an object is at infinity in front of a convex lens, the image is formed:

- A. at F ✓
- B. at $2F$
- C. at infinity
- D. between F and $2F$



Q19 General Science

If the radius of the Earth is halved and the masses of both interacting objects are tripled, while keeping the distance between them unchanged, how will the gravitational force between them change?

- A. Increases 36 times
- B. Decreases 3 times
- C. Increases 3 times
- D. Increases 9 times

**Q20 General Science**

In stethoscopes, the sound of the heartbeat is transmitted to the doctor's ears because:

- A. the sound waves undergo successive refraction in the tube
- B. the sound waves are absorbed by the tube walls
- C. the sound waves are guided by multiple reflections in the tube
- D. the sound waves are amplified by electricity

**Q21 General Science**

Which of the following statements is correct?

- A. Magnetic field lines always emerge from the north pole of a magnet and enter the south pole outside the magnet.
- B. The magnetic field at a point is zero when field lines are dense.
- C. Magnetic field lines intersect each other.
- D. Magnetic field lines start from the south pole and end at the north pole.

**Q22 General Science**

What happens to an atom when it loses an electron?

- A. It becomes an anion
- B. It becomes a cation
- C. It becomes a molecule
- D. It becomes neutral

**Q23 General Science**

Which of the following cell organelle is present ONLY in animal cells but not in plant cells?

- A. Golgi apparatus
- B. Vacuole
- C. Mitochondria
- D. Centrosome

**Q24 General Science**

A train starts from rest and reaches a velocity of 36 km/hr in 3 minutes with uniform acceleration. What is the distance covered by the train during this time?

- A. 900 m
- B. 750 m
- C. 250 m
- D. 500 m

**Q25 General Science**

Food items such as wheat, rice, vegetables, fruits and meat contain varying amounts of pesticide residues due to which of the following phenomena?

- A. Photosynthesis
- B. Eutrophication
- C. Transpiration
- D. Biological magnification

**Mathematics**

25 Questions • Answer Key

Q26 Mathematics

If 42 is the mean proportion between x and 294, what is the value of x?

- A. 6
- B. 8
- C. 4
- D. 7

**Q27 Mathematics**

A 6-digit number 648XYZ is divisible by 4, 9 and 10. Find the value of $X + Z - Y$, where Y is the smallest possible number.

- A. 5
- B. 2
- C. 0
- D. 7



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Q28 Mathematics

The points scored by a basketball team in a series of matches are as follows: 17, 2, 7, 27, 25, 5, 14, 18, 10, 24, 10, 8, 10, 12, 11. The value of the median is:

A. 12

B. 10

C. 14

D. 11

**Q29 Mathematics**

₹1,287 is divided among Rahul, Monika, and Yuvraj in such a way that if ₹36, ₹22, and ₹29 are deducted from their respective shares, they have money in the ratio 17:7:16. Find the actual share of Monika.

A. ₹160

B. ₹60

C. ₹260

D. ₹232

**Q30 Mathematics**

The amount on a sum of ₹2,400 at 20% per annum compound interest, compounded annually, in 2 years will be:

A. ₹3,280

B. ₹3,705

C. ₹3,206

D. ₹3,456

**Q31 Mathematics**

A shopkeeper offers the following four schemes.

- A) Two successive discounts of 19% and 25%
- B) Buy 7, get 6 free
- C) Single discount of 50%
- D) Two successive discounts of 3% and 39%

Which scheme is the best for the shopkeeper?

A. B

B. A



C. D

D. C

Q32 Mathematics

In a test, B got 50 marks while A got 75 marks, out of 90 maximum marks. What percentage of A's marks was B's marks? (Round off the answer to two decimal places.)

A. 150.91%

B. 90.33%

C. 83.33%

D. 66.67%

**Q33 Mathematics**

A cuboid of dimensions 18 cm × 12 cm × 8 cm is melted and recast into smaller cubes each having an edge of 4 cm. Find the ratio of the total surface area of one small cube to that of the original cuboid.

A. 3 : 19

B. 2 : 21

C. 1 : 10

D. 2 : 19

**Q34 Mathematics**

P and Q together can fill a cistern with water in 12 hours. If P alone can fill the cistern with water in 18 hours, then in how many hours will Q alone fill one-fourth of the same cistern with water?

A. 10

B. 9



C. 19

D. 18

Q35 Mathematics

Two pipes can fill a cistern, individually, in 100 min and 25 min, respectively. There is a pipe located at the bottom of the cistern to empty it. If all the three pipes are opened simultaneously, then the empty cistern gets filled in 40 min. How long will the pipe at the bottom of the tank take to empty the completely filled cistern if no other pipe is then open?

A. 38 min

B. 39 min

C. 40 min



D. 37 min



Q36 Mathematics

Sachin bought 52 books for ₹1,120 from one shop and 47 books for ₹910 from another. What is the average price (in ₹, rounded off to two decimal places) he paid per book?

A. 21.51

B. 22.51

C. 20.51



D. 23.51

Q37 Mathematics

A man buys a sofa set for ₹24,000. He spends ₹3,000 on repairs and sells it for ₹30,000. He again buys it back for ₹28,000 and sells at a loss of ₹1,200. What is the overall profit?

A. ₹1,600

B. ₹1,800



C. ₹1,400

D. ₹1,200

Q38 Mathematics

If 8 years ago from now, a grandmother's age was 13 times the age of her granddaughter and after 12 years from now, the grandmother's age will be 3 times her granddaughter's age, then what is the difference of their ages at present (in years)?

A. 52

B. 48



C. 56

D. 68

Q39 Mathematics

The value of $16^3 - 10^3$ is:

A. 2837

B. 3096



C. 2957

D. 3064

Q40 Mathematics

In the first round of elections, Amit received 63% of the votes. In the second round, his support decreased by 24%. What percentage of the total votes did Amit receive after the second round?

A. 49%

B. 57.88%

C. 39%

D. 47.88%

**Q41 Mathematics**

The monthly incomes of two friends Ashish and Kiran, are in the ratio 5 : 8, respectively, and each of them saves ₹75,000 every month. If the ratio of their monthly expenditure is 2 : 4, find the monthly income of Ashish (in ₹).

A. 1,86,500

B. 1,88,500

C. 1,87,500



D. 2,62,500

Q42 Mathematics

The distance between points A and B is 966 km. Kamlesh travels from A to B at a speed of 52 km/hr and returns at a speed of 118 km/hr. Calculate Kamlesh's average speed for the entire journey (round off the answer to two decimal places).

A. 83.02 km/hr

B. 72.19 km/hr



C. 69.63 km/hr

D. 80.53 km/hr

Q43 Mathematics

A train can travel 60% faster than a car. Both start from point A at the same time and reach point B, which is 60 km away, simultaneously. However, the train loses 20 minutes due to stops at stations. What is the speed of the car?

A. 67.5 km/h



B. 57.5 km/h

C. 62.5 km/h

D. 52.5 km/h



Q44 Mathematics

Successive discounts of 12% and 13% are equivalent to what single discount?

- A. 21.91%
- B. 22.2%
- C. 20.7%
- D. 23.44%

**Q45 Mathematics**

If regular polygons of side 6 and 5 are inscribed in a circle of radius R, then what is the ratio of their areas?

- A. $12\sqrt{3}:5\sqrt{10+2\sqrt{5}}$
- B. $4\sqrt{3}:5\sqrt{10+2\sqrt{5}}$
- C. $3\sqrt{3}:5\sqrt{10-2\sqrt{5}}$
- D. $4\sqrt{3}:5\sqrt{10-2\sqrt{5}}$

**Q46 Mathematics**

If $43 \times 43 = 1849$, then 4.3×4.3 equals to:

- A. 1.849
- B. 0.1849
- C. 18.49
- D. 184.9

**Q47 Mathematics**

The numerator of a fraction is 6 less than the denominator. If 2 is added to both its numerator and denominator, it becomes $\frac{2}{3}$.

Find the simplest form of the fraction.

- A. $\frac{4}{5}$
- B. $\frac{7}{13}$
- C. $\frac{5}{8}$
- D. $\frac{6}{11}$



Q48 Mathematics

Evaluate $\sqrt{16} + \sqrt{900} + \sqrt{\frac{9.5 \times 0.0085 \times 18.9}{0.021 \times 0.0017 \times 1.9}}$.

- A. 174
B. 154
C. 164
D. 184

**Q49 Mathematics**

The respective ratios between the numerical values of a curved surface area and the volume of a right circular cylinder is 1 : 7. If the respective ratio between the diameter and height of the cylinder is 7 : 6, what is the total surface area of the cylinder?

Use $\pi = \frac{22}{7}$

- A. 3434 unit²
B. 4343 unit²
C. 4433 unit²
D. 3344 unit²

**Q50 Mathematics**

A ladder is placed against a vertical wall such that it makes an angle of 60° with the ground. If the foot of the ladder is 8.5 m away from the wall, then what is the height (in m) at which the ladder touches the wall?

(Use $\sqrt{3} = 1.7$)

- A. 10.5
B. 15.54
C. 5
D. 14.45

**General Intelligence & Reasoning**

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

If 1 is added to each odd digit and 1 is subtracted from each even digit in the number 3215674, what will be the sum of the digits which are first from the left and third from the right?

- A. 7
B. 9
C. 6
D. 8

**Q52 General Intelligence & Reasoning**

Hitesh starts from Point A and drives 62 km towards the east. He then takes a left turn, drives 36 km, turns left and drives 78 km. He then takes a left turn and drives 71 km. He takes a final left turn, drives 16 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

- A. 36 km to the south
B. 34 km to the north
C. 37 km to the south
D. 35 km to the north



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Q53 General Intelligence & Reasoning

In a certain code language, WASO is coded as 65 and YKSB is coded as 64. What is the code for LEUC in that language?

A. 48



B. 52

C. 57

D. 50

Q54 General Intelligence & Reasoning

If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', then what will come in place of the question mark (?) in the following equation?

68 A 2 D 7 B 5 C (25 A 5) B 9 C 30 A 6 = ?

A. 61

B. 49



C. 35

D. 28

Q55 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

DEA 48 CDZ 55 BCY 62 ABX 69 ?

A. ZZV 75

B. ZIS 75

C. ZBV 76

D. ZAW 76

**Q56 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

412 420 408 424 404 428 ?

A. 424

B. 408

C. 400



D. 432

Q57 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only).

(Left) 9 3 5 7 2 4 6 1 8 9 2 5 3 7 4 6 1 8 9 5 2 4 (Right)

How many unique single-digit numbers in the series are divisible by 3 (each single-digit number counted only once, regardless of repetitions)?

A. None

B. One

C. Two

D. Three

**Q58 General Intelligence & Reasoning**

Select the pair that follows the same pattern as the one followed by the two pairs given below. Both pairs follow the same pattern.

NJL-OKM
CYA-DZB

A. IDE-JFH

B. IDE-IEG

C. IEG-JFH



D. IEG-IFG

Q59 General Intelligence & Reasoning

Six people, A, B, C, D, E and F, are sitting in a row, facing towards the north.

Only three people are sitting at the right of A. Only one person is sitting between A and C. E is sitting second from the extreme left end of the row. B is not the immediate neighbour of A. F is sitting to the immediate left to B. F is sitting to the immediate right to A.

Who is sitting at the extreme left end of the row?

A. B

B. C



C. E

D. D



Q60 General Intelligence & Reasoning

If 'A' stands for '+', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark (?) in the following equation?

92 A 2 D (35 A 7) B 4 C 30 A 3 C 5 B 11 = ?

A. 80

B. 102

C. 91



D. 73

Q61 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 4 9 8 5 1 6 4 5 9 6 5 3 4 9 6 2 9 4 8 5 1 1 8 4 1 5 7
(Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

A. 3

B. 4

C. 2



D. 1

Q62 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

84 77 70 ? 56 49 42

A. 66

B. 68

C. 60

D. 63

**Q63 General Intelligence & Reasoning**

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All forks are kettles.

Some forks are spoons.

Conclusions:

(I): Some kettles are spoons.

(II): All spoons are forks.

A. Only conclusion (I) follows



B. Both conclusions (I) and (II) follow

C. Only conclusion (II) follows

D. Neither conclusion (I) nor (II) follows

Q64 General Intelligence & Reasoning

In a certain code language, 'never judge people' is coded as 'gu uf ha' and 'don't ask people' is coded as 'kl td uf'. How is 'people' coded in that language? (All codes are two-letter codes.)

A. td

B. gu

C. uf



D. ha

Q65 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. LPR

B. RVX

C. TXZ

D. HLP



Q66 General Intelligence & Reasoning

Refer to the following series and answer the question that follows (all numbers are single digit numbers only).
Counting to be done from left to right only.

(Left) 2 1 7 9 4 5 3 4 4 1 8 2 2 4 4 9 7 6 9 9 4 6 2 9 9 8 7
(Right)

How many such odd numbers are there (from left to right) each of which is immediately preceded by an odd number and also immediately followed by an odd number?

A. 2

B. 1



C. 0

D. 3

Q67 General Intelligence & Reasoning

Seven friends D, E, F, U, V, W and X are sitting in a straight line facing the north. Only two people are seated between U and D. Only X is seated to the right of F. Only one person is seated between D and F. V is seated at some place to the right of E but at some place to the left of W. How many people are seated between W and E?

A. One

B. Four

C. Two



D. Three

Q68 General Intelligence & Reasoning

This question is based on the five, three-digit numbers given below.

(Left) 604, 895, 469, 742, 307 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

Note: All operations to be done from left to right.

What will be the resultant if the third digit of the highest number is added to the second digit of the lowest number?

A. 5



B. 12

C. 9

D. 16

Q69 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statement(s).

Statements:

All mints are lamps.

All mints are kites.

All mints are jams.

Conclusions:

(I) All lamps are jams

(II) Some jams are kites

A. Neither conclusion (I) nor (II) follows

B. Only conclusion (II) follows



C. Both conclusions (I) and (II) follow

D. Only conclusion (I) follows

Q70 General Intelligence & Reasoning

S, P, D, M, and R are sitting around a circular table facing the centre. Only two people are sitting between R and M when counted from the left of R. D is an immediate neighbour of M and R. P is sitting to the immediate left of R. Who are the immediate neighbours of S?

A. M and D

B. R and P

C. P and M



D. D and R

Q71 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. KOT

B. ZDI

C. WAE



D. HLQ



Q72 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

GDA IFC KHE MJG ?

A. OKI

B. OKJ

C. OLI

D. OLI

**Q73 General Intelligence & Reasoning**

GBCI is related to YTUA in a certain way based on the English alphabetical order. In the same way, AVWC is related to SNOU. To which of the following options is CXYE related, following the same logic?

A. UPQW



B. UIOP

C. UPNH

D. UQWE

Q74 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

15, 22, 36, 57, 85, ?

A. 120



B. 121

C. 122

D. 119

Q75 General Intelligence & Reasoning

VHEP is related to OAXI in a certain way based on the English alphabetical order. In the same way, TFCN is related to MYVG. To which of the following options is YKHS related, following the same logic?

A. RDAL



B. RDSE

C. RADE

D. RLDE

Q76 General Intelligence & Reasoning

In the following number-pairs, the second number is obtained by applying certain mathematical operation(s) to the first number. Select the number-pair in which the numbers are related in the same way as are the numbers of the following pairs.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

19, 35

28, 53

A. 42, 85

B. 73, 145

C. 85, 166

D. 36, 69

**Q77 General Intelligence & Reasoning**

Shubham starts from Point A and drives 11 km towards South. He then takes a right turn, drives 7 km, turns right and drives 14 km. He then takes a right turn and drives 11 km. He takes a final right turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again?

(Note: All turns are 90° turns only unless specified.)

A. 5 km to the east

B. 4 km to the east

C. 4 km to the west



D. 5 km to the west

Q78 General Intelligence & Reasoning

Mr. Hepa ranked 56th from the top and 71st from the bottom in his class. How many students are there in his class?

A. 126



B. 125

C. 124

D. 123



Q79 General Intelligence & Reasoning

In a certain code language,
'A + B' means 'A is the mother of B',
'A - B' means 'A is the brother of B',
'A × B' means 'A is the wife of B',
'A % B' means 'A is the father of B' and
'A # B' means 'A is the daughter of B'.

How is C related to R if 'C # N × K % T + R'?

- A. Mother's sister
- B. Mother's mother
- C. Mother's father
- D. Sister's daughter

Q80 General Intelligence & Reasoning

54 people are standing in a row facing North. Junaid is 21st from the left end, while Sourav is 12th from the right end. How many people are there between Junaid and Sourav?

- A. 18
- B. 20
- C. 19
- D. 21

General Awareness

20 Questions • Answer Key

Q81 General Awareness

In June 2025, Karnataka raised the housing reservation quota for religious minorities from 10% to what percentage?

- A. 15%
- B. 18%
- C. 12%
- D. 20%

Q84 General Awareness

Which of the following cyber security exercises was launched by the Indian Armed Forces in 2025 to simulate real-world threats and promote secure practices?

- A. Raksha Netra
- B. Cyber Suraksha
- C. Cyber Kavach
- D. Sainya SecureNet

Q82 General Awareness

Which group set a Guinness World Record by performing 108 Surya Namaskars with over 22,000 tribal students?

- A. Gujarat volunteers
- B. Maharashtra yoga groups
- C. Rajasthan school children
- D. Andhra Pradesh tribal students

Q85 General Awareness

Who won the prestigious Yuva Puraskar in Hindi for the poetry collection, Phir Ugna, in June 2025?

- A. Mayur Khavdu
- B. Subrat Senapati
- C. Akhil P Dharmajan
- D. Parvati Tirkey

Q83 General Awareness

In 2025, the UN General Assembly urged to grant UN membership as the 194th country to which of the following countries?

- A. South Sudan
- B. Vatican City
- C. Palestine
- D. Kosovo

Q86 General Awareness

As per the Sustainable Development Report 2025, which rank did India secure in the Sustainable Development Goals (SDG) Index, marking its first entry into the "top 100" nations?

- A. 74
- B. 98
- C. 85
- D. 99



Q87 General Awareness

Who among the following was appointed as the Deputy Chief Executive Officer (Deputy CEO) of SBI General Insurance in June 2025?

- A. Indrani Dutta
- B. Anand Pejavar
- C. Mohd. Arif Khan ✓
- D. Naveen Chandra Jha

Q88 General Awareness

Which of the following International events did India host in 2025 that is considered one of the largest gatherings of its kind and showcases India's global standing in inclusive sports?

- A. Commonwealth Games 2026
- B. FIFA Women's World Cup 2025
- C. Summer Universiade 2025
- D. World Para Athletics Championships 2025 ✓

Q89 General Awareness

Who inaugurated the football stadium at Police Complex, Chumoukedima near Dimapur, Nagaland, in January 2025?

- A. N. Biren Singh
- B. Temjen Imna Along
- C. Neiphiu Rio ✓
- D. Conrad Sangma

Q90 General Awareness

Which of the following is NOT included among the four Labour Codes implemented in 2025?

- A. Code on Education, 2021 ✓
- B. Code on Wages, 2019
- C. Code on Social Security, 2020
- D. Industrial Relations Code, 2020

Q91 General Awareness

According to the October 2025 Monetary Policy Report of the Reserve Bank of India, what is the revised CPI inflation projection for FY 2025–26?

- A. 2.2%
- B. 3.4%
- C. 2.6% ✓
- D. 3.1%

Q92 General Awareness

In November 2025, which organization delivered a human-rated Vikas engine to the Indian Space Research Organisation for the Gaganyaan mission?

- A. Godrej Aerospace ✓
- B. Bharat Dynamics Limited
- C. Larsen & Toubro
- D. Hindustan Aeronautics Limited

Q93 General Awareness

At which event did the DRDO official announce the development of the new high-calibre Pinaka rocket with a range of 120 km?

- A. Aero India 2025 ✓
- B. International Defence Conference 2025
- C. Defence Expo 2025
- D. Aero Expo 2025

Q94 General Awareness

Which city hosted the 28th National Conference on e-Governance in September 2025?

- A. Bengaluru
- B. New Delhi
- C. Hyderabad
- D. Visakhapatnam ✓

Q95 General Awareness

When is Hindi Journalism Day celebrated every year in India?

- A. 30 May ✓
- B. 18 February
- C. 9 April
- D. 5 May

Q96 General Awareness

What is a key aim of the Aravalli Green Wall Project launched on the World Environment Day in June 2025?

- A. Establishing national parks across Himalayas
- B. Mounting vertical gardens in Mumbai
- C. Building embankments in Punjab
- D. Expanding green cover to combat desertification ✓



Q97 General Awareness

Accordinging to the Indian Government, by the June 2025, how many Khelo India Centres (KICs) were established for grassroots sports training and athlete development?

A. 1045



B. 1000

C. 936

D. 950

Q98 General Awareness

The Chhattisgarh Chief Minister in August 2025 directed officials to extend assistance to families affected by floods in which of the following divisions?

A. Bastar



B. Bilaspur

C. Surguja

D. Raipur

Q99 General Awareness

Which among the following got a six-year support plan announced in Union Budget 2025-2026 to reduce imports?

A. Electronics

B. Oil seeds

C. Steel

D. Pulses



Q100 General Awareness

Where was the 2025 Champions League final held?

A. Santiago Bernabéu, Madrid

B. Wembley Stadium, London

C. Allianz Arena, Munich



D. Camp Nou, Barcelona



General Science

25 Questions • Answer Key

Q1 General Science

What do the ovary and ovule form after fertilisation in plants?

- A. Ovary forms the seed and ovule forms the embryo.
- B. Ovary forms the fruit and ovule forms the seed. ✓
- C. Ovary forms the fruit and ovule forms the cotyledons.
- D. Ovary forms the plumule and ovule forms the radicle.

Q2 General Science

Starting from rest, a car attains a velocity of 10 m/s in 20 s. Braking reduces the velocity to 5 m/s in the next 5 s. What is the respective acceleration in the two scenarios?

- A. 0.5 m/s² ; -1 m/s² ✓
- B. 1 m/s² ; 0.5 m/s²
- C. -1 m/s² ; 0.5 m/s²
- D. 0.5 m/s² ; 1 m/s²

Q3 General Science

An atom contains 17 electrons and 18 neutrons. Find the number of protons.

- A. 35.5
- B. 36
- C. 18
- D. 17 ✓

Q4 General Science

In which of the following reactions does colour change, gas evolution, and solid residue formation, all occur simultaneously during decomposition?

- A. $2\text{KClO}_3 \rightarrow 2\text{KCl} + 3\text{O}_2$
- B. $2\text{AgCl} \rightarrow 2\text{Ag} + \text{Cl}_2$
- C. $\text{Pb}(\text{NO}_3)_2 \rightarrow \text{PbO} + \text{NO}_2 + \text{O}_2$ ✓
- D. $\text{CaCO}_3 \rightarrow \text{CaO} + \text{CO}_2$

Q5 General Science

If the value of the Universal Gravitational Constant (G), the mass of the Earth (M), and the radius of the Earth (R) are known, which equation is used to calculate the acceleration due to gravity (g) near the Earth's surface?

- A. $g = \text{GM}/\text{R}^2$ ✓
- B. $\text{R}^2/(\text{GM})$
- C. $g = \text{GR}/\text{M}^2$
- D. $g = \text{GM}/\text{R}$

Q6 General Science

What is the correct definition of one unit of force (1 newton)?

- A. The force needed to move a 1 kg object to a distance of 1 metre
- B. The force required to keep an object at rest
- C. The force that causes a 1 g object to accelerate at 1 metre
- D. The force that causes a 1 kg object to accelerate at 1 m/s² ✓

Q7 General Science

When an iron nail is dipped in copper sulphate solution, which of the following observations confirms that a displacement reaction has occurred?

- A. The solution remains blue, and the iron nail remains shiny.
- B. The solution turns colourless, and hydrogen gas is released.
- C. The blue colour of the copper sulphate solution fades, and a reddish-brown deposit appears on the iron nail. ✓
- D. A white precipitate is formed.

Q8 General Science

Which proteins are essential for muscle contraction and relaxation?

- A. Myoglobin and haemoglobin
- B. Contractile proteins ✓
- C. Elastin and fibrin
- D. Keratin and collagen



Q9 General Science

An electric geyser has a power of 2200 W when it is operated at 220 V. How much will be the current flowing through the heater?

A. 10 A



B. 1 A

C. 1100 A

D. 100 A

Q10 General Science

A mixture differs from a compound in that:

A. it has fixed proportions of elements

B. its components retain their properties



C. its components cannot be separated

D. it shows combined properties only

Q11 General Science

Which of the following statements is true about work done by a constant force?

A. It is always positive

B. It depends on the path of motion

C. It depends only on the initial and final positions



D. It is independent of displacement

Q12 General Science

In a laboratory, a student mixes starch in water and observes that the mixture is neither a true solution nor a suspension. What property of this mixture confirms it is a colloidal solution?

A. The mixture is completely transparent and does not scatter light.

B. The particles scatter a beam of light but do not settle on standing.



C. The particles settle down after some time.

D. The particles are visible to the naked eye.

Q13 General Science

In wastewater treatment plant, the biogas is obtained from which of the following substance?

A. Coconut husk

B. Dried leaves

C. Banana peels

D. Sludge

**Q14 General Science**

Which of the following animals produces infrasound?

A. Whales and elephants



B. Birds and snakes

C. Dogs and cats

D. Horses and cows

Q15 General Science

What was the primary goal of the Chipko Movement of the Garhwal region?

A. Protection of the forest



B. Cutting of forest

C. Grazing of forest

D. Aforestation

Q16 General Science

Which of the following features enables simple squamous epithelium to efficiently carry out diffusion?

A. Flat, thin, and closely packed cells



B. Presence of multiple layers of cells

C. Thick cytoplasm with large nuclei

D. Cells with cilia for movement

Q17 General Science

In a hypotonic solution, which of the following statements is correct for animal tissues compared with plant tissues?

A. Animal cells have thicker cellulose walls than plants.

B. Animal cells are more likely to lyse without an external wall.



C. Animal cells shrink more than plant cells in dilute media.

D. Animal cells resist swelling due to a rigid wall.

Q18 General Science

The principal focus of a spherical mirror is defined as:

A. The midpoint of the radius of curvature

B. The distance between object and image

C. The point on the principal axis where parallel rays converge (or appear to diverge) after reflection



D. The center of the mirror's reflecting surface



Q19 General Science

If two daughter cells produced by cell division show minor differences in their structure, which process during DNA copying most likely caused these variations?

A. The absence of DNA blueprints in the nucleus

B. Minor variations occur during DNA copying due to the inherent unreliability of biochemical reactions



C. Errors in protein synthesis after DNA copying

D. The separation of DNA copies into new cells is incomplete

Q20 General Science

The Tyndall effect is observed when:

A. light reflects from a mirror surface

B. light is absorbed by particles in a solution

C. light passes through a vacuum

D. light is scattered by very fine particles suspended in a medium

**Q21 General Science**

Which of the following statements is/are correct?

- a. Zinc granules when placed in dilute sulphuric acid, hydrogen gas is evolved.
- b. Zinc granules when placed in sodium hydroxide solution forms zinc hydroxide.
- c. Zinc granules when placed in sodium hydroxide forms sodium zincate.

A. a and b

B. Only b

C. a and c



D. Only a

Q22 General Science

Which of the following statements is correct about Ohm's law?

A. Current is inversely proportional to voltage at constant temperature.

B. Ohm's law is applicable to all materials at all temperatures.

C. Current is directly proportional to voltage at constant temperature.



D. Resistance remains constant only for non-ohmic conductors.

Q23 General Science

In a 250 mL solution, 5 g of solute is dissolved. What is the concentration (mass by volume %) of the solution?

A. 5%

B. 2%



C. 20%

D. 0.2%

Q24 General Science

The process of transfer of pollen grains from one flower to the stigma of another flower is called ____.

A. pollination



B. gestation

C. guttation

D. germination

Q25 General Science

Why is graphite a good conductor of electricity?

A. It melts at low temperatures.

B. It forms strong ionic bonds.

C. It has free-moving electrons.



D. It absorbs water easily.

Mathematics

25 Questions • Answer Key

Q26 Mathematics

Find the effective price percentage of the marked price after three consecutive discounts of 10%, 27% and 8% (rounded off to two decimal places).

A. 60.44%



B. 58.28%

C. 59.64%

D. 62.64%

Q27 Mathematics

A is three times as old as B. If six years are subtracted from B's age and four years are added to A's age, then A's age will be five times B's age. How old was A two years ago?

A. 54 years

B. 36 years

C. 49 years



D. 40 years



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Q28 Mathematics

In a basketball game, a player scored 36 points using only 2-point shots and 3-point shots. She made 14 successful shots in total. How many 2-point and how many 3-point shots did she make?

- A. Number of 2-point shots = 7; Number of 3-point shots = 7
- B. Number of 2-point shots = 10; Number of 3-point shots = 4
- C. Number of 2-point shots = 6; Number of 3-point shots = 8 ✓
- D. Number of 2-point shots = 8; Number of 3-point shots = 6

Q29 Mathematics

The sum of the first 13 prime numbers is:

- A. 238 ✓
- B. 241
- C. 243
- D. 235

Q30 Mathematics

One pipe can fill a tank in 6 minutes, while another pipe can empty the completely filled tank in 7 minutes. If both the pipes are opened together when the tank is empty, how many minutes will it take to fill one-half of the tank?

- A. 43
- B. 21 ✓
- C. 22
- D. 42

Q31 Mathematics

If the fourth proportion to 5, X and 3 is 63, then find the value of X.

- A. 106
- B. 107
- C. 108
- D. 105 ✓

Q32 Mathematics

A and B can complete a piece of work in 8 days and 12 days, respectively. A starts working on the task and after 3 days, B joins him. How many more days will it take to finish the work after B joins?

- A. 5 days
- B. 4 days
- C. 3 days ✓
- D. 2 days

Q33 Mathematics

A dealer marks his goods at 25% above the cost price and allows a discount of 68% on the marked price. What is his gain or loss percentage?

- A. 63% gain
- B. 57% loss
- C. 60% loss ✓
- D. 58% loss

Q34 Mathematics

The mode of given list of numbers 115, 190, 110, 185, 85, 110, 115, 102, 90, 95, 85, 68, 85 is:

- A. 92
- B. 68
- C. 110
- D. 85 ✓

Q35 Mathematics

A person's monthly income is ₹60,000. He spends 25% of his income on rent, 15% on groceries, 10% on transportation and saves the rest. How much money does he save every month?

- A. ₹30,000 ✓
- B. ₹25,000
- C. ₹45,000
- D. ₹40,000

Q36 Mathematics

Simplify: $(x + 5)(x - 5)$

- A. $x^2 + 25$
- B. $x^2 - 25$ ✓
- C. $x^2 + 10x + 25$
- D. $x^2 - 10x + 25$



Q37 Mathematics

The amount on a sum of ₹5,000 at 18% per annum compound interest, compounded annually, in 2 years will be:

A. ₹6,984

B. ₹7,068

C. ₹6,962



D. ₹7,015

Q38 Mathematics

The cost of a washing machine is 25% less than the cost of a TV. If the cost of the washing machine increases by 75% and that of the TV decreases by 49%, then what is the percentage change in the total cost of 6 washing machines and 3 TVs?

A. Decrease by 26.4%

B. Increase by 25.4%



C. Decrease by 19.5%

D. Increase by 24.5%

Q39 Mathematics

Two trains of lengths 316 m and 349 m are running at speeds of 58 km/h and 68 km/h, respectively, on parallel tracks in opposite directions. In how many seconds will they cross each other?

A. 19 seconds



B. 27 seconds

C. 30 seconds

D. 22 seconds

Q40 Mathematics

₹5,403 is divided among A, B, and C in such a way that if ₹79, ₹25, and ₹19 be deducted from their respective shares, they have money in the ratio 14:5:11. Find the difference between the B's and C's original shares.

A. ₹1,206

B. ₹1,156

C. ₹1,050



D. ₹956

Q41 Mathematics

Bibha bought a number of bananas at 2 for a rupee and an equal number at 3 for a rupee. To make a profit of 40%, she should sell a dozen for ₹_.

A. 8

B. 5

C. 6

D. 7

**Q42 Mathematics**

For 7 innings, a cricketer had an average of 59 runs. In the 8th inning, he scored 217 runs. His average score increased by _____. (Round off the answer to the nearest whole number.)

A. 29

B. 19

C. 11

D. 20

**Q43 Mathematics**

The volume of the cube is 1728 cm^3 . Find its total surface area.

A. 664 cm²

B. 144 cm²

C. 464 cm²

D. 864 cm²



Q44 Mathematics

Walking at $\frac{5}{7}$ th of his normal speed from his home, Shahid is 12 minutes late in reaching his office.

The usual time taken by him to cover the distance between his home and his office is:

A. 23 minutes

B. 34 minutes

C. 30 minutes



D. 28 minutes

Q45 Mathematics

$$\frac{x^3}{y^2} \times \frac{1}{x^{-1}} \div y^{-2} \times \left(\frac{1}{x^2}\right)^2$$

A. $\frac{x^2}{y^2}$

B. x^2

C. 1



D. x

Q46 Mathematics

Water flows through a cylindrical pipe of internal diameter 14 cm at 5 metre per second. Calculate the time (in minutes) the pipe would take to fill an empty rectangular tank 8 m × 6 m × 4.62 m.

$$\left(\text{Take } \pi = \frac{22}{7}\right)$$

A. 48



B. 44

C. 50

D. 46

Q47 Mathematics

If 90% of 80% of $\frac{2}{7}$ of a number is 576, find the number.

A. 2800



B. 3710

C. 6740

D. 5180



Q48 Mathematics

Simplify: $\frac{2}{5} + 1.4$

A. 1.8



B. 5.4

C. 2.8

D. 3.9

Q49 Mathematics

If regular polygons of sides 6 and 5 are inscribed in a circle of radius R, then what is the ratio of their areas?

A. $4\sqrt{3} : 5\sqrt{10 - 2\sqrt{5}}$

B. $4\sqrt{3} : 5\sqrt{10 + 2\sqrt{5}}$

C. $12\sqrt{3} : 5\sqrt{10 + 2\sqrt{5}}$



D. $3\sqrt{3} : 5\sqrt{10 - 2\sqrt{5}}$

Q50 Mathematics

If $\cos t = x$ and t is an acute angle, find the value of $\sin t$.

A. $\frac{x}{\sqrt{1-x^2}}$

B. $\sqrt{1-x^2}$



C. $x\sqrt{1-x^2}$

D. $\frac{1}{\sqrt{1-x^2}}$

General Intelligence & Reasoning

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

16, 22, 34, 52, 76, ?

A. 104

B. 107

C. 105

D. 106

**Q52 General Intelligence & Reasoning**

Refer to the following number series and answer the question that follows. Counting to be done from left to right only. (All numbers are single digit numbers only.)

(Left) 5 4 4 2 6 3 6 4 6 4 7 9 4 5 8 8 2 5 3 1 7 4 8 5 9 4 1 2 7 4 (Right)

How many such prime digits are there, each of which is immediately preceded by an even digit and also immediately followed by an even digit?

A. Two

B. More than three



C. One

D. Three



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Q53 General Intelligence & Reasoning

Which of the given letter-number clusters will replace the question mark (?) in the following series to make it logically complete?

PGE 18, TEI 26, XCM 34, BAQ 42, ?

A. FYU 50



B. GYV 50

C. FCV 52

D. FCU 52

Q54 General Intelligence & Reasoning

Wamiq starts from point A and drives 78 km towards the west. He then takes a right turn, drives 81 km, turns right and drives 80 km. He then takes a right turn and drives 90 km. He takes a final right turn, drives 2 km and stops at point P. How far (shortest distance) and towards which direction should he drive in order to reach point A again? (All turns are 90-degree turns only unless specified.)

A. 11 km to the south

B. 7 km to the north

C. 10 km to the south

D. 9 km to the north

**Q55 General Intelligence & Reasoning**

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. JM - HK

B. KN - IM



C. MP - KN

D. GJ - EH

Q56 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting / multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

19 - 2 - 21

14 - 6 - 20

A. 19 - 10 - 29



B. 9 - 13 - 24

C. 30 - 11 - 43

D. 15 - 4 - 21

Q57 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

521 523 527 533 541 ?

A. 553

B. 551



C. 549

D. 555

Q58 General Intelligence & Reasoning

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

WZX-ZCA

CFD-FIG

A. DGE-FJG

B. DFC-GJH

C. DGE-GJH



D. DFC-FIG

Q59 General Intelligence & Reasoning

What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$49 \div 5 + 153 \times 3 - 314 = ?$

A. 512

B. 521

C. 505

D. 508



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Q60 General Intelligence & Reasoning

What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$32 + 34 - 35 \times 5 \div 22 = ?$$

A. 152



B. 153

C. 154

D. 150

Q61 General Intelligence & Reasoning

Seven friends, B, C, D, T, U, V and W, are sitting in a straight line facing north. All friends sit to the left of C. Only three people sit between C and T. Only two people sit between T and V. B sits third to the left of D. W sits to the immediate right of D. How many people sit between U and V?

A. One

B. Two

C. Four

D. Three

**Q62 General Intelligence & Reasoning**

P, Q, R, S, and T are sitting around a circular table, facing the centre. R is sitting second to the right of P. T is sitting second to the right of S. P is to the immediate left of S. Who is to the immediate right of T?

A. P

B. R

C. S

D. Q

**Q63 General Intelligence & Reasoning**

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All crows are sparrows.

No crow is a pigeon.

Conclusions:

(I): No sparrow is a pigeon.

(II): Some pigeons are crows.

A. Both conclusions (I) and (II) follow

B. Only conclusion (I) follows

C. Neither conclusion (I) nor (II) follows



D. Only conclusion (II) follows

Q64 General Intelligence & Reasoning

Refer to the given series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 9 6 4 8 7 7 7 7 1 3 6 4 7 2 3 1 8 5 6 8 9 9 9 4 9 8
(Right)

How many such even numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

A. 2

B. 3



C. 5

D. 4

Q65 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

KJN 72 RQU 63 YXB 54 FEI 45 ?

A. MMO 36

B. MKO 35

C. MUD 35

D. MLP 36



Q66 General Intelligence & Reasoning

What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$7 \div 5 + 12 \times 3 - 19 = ? + 5$$

A. 55



B. 60

C. 50

D. 45

Q67 General Intelligence & Reasoning

In a certain code language, 'PEARL' is coded as '18723' and 'PAYER' is coded as '82736'. What is the code for 'Y' in that language?

A. 8

B. 3

C. 2

D. 6

**Q68 General Intelligence & Reasoning**

A man is standing on the roof facing east. First, he turns 45 degrees clockwise, then 45 degrees anticlockwise. He then turns 180 degrees anticlockwise. Finally, he turns 90 degrees clockwise. In which direction is the man facing now?

A. East

B. West

C. North



D. South

Q69 General Intelligence & Reasoning

PNHT is related to VILQ in a certain way based on the English alphabetical order. In the same way, MSDT is related to SNHQ. To which of the given options is IRUI related, following the same logic?

A. OMYF



B. PMZF

C. ONYE

D. PNZE

Q70 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

17 28 ? 50 61 72

A. 39



B. 36

C. 31

D. 40

Q71 General Intelligence & Reasoning

In a row of 19 people facing north, Geetha is 6th from the left end. If Divya sits 5th to the right of Geetha, then what is Divya's position from the right end of the row?

A. 10th

B. 11th

C. 9th



D. 8th

Q72 General Intelligence & Reasoning

In a row of 50 students facing north, Parash is 18th from the left end. If Aparna is 7th to the right of Parash, what is Aparna's position from the right end of the row?

A. 24th

B. 23rd

C. 26th



D. 25th

Q73 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. TYR



B. EJD

C. QVP

D. MRL



Q74 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers only.)

(Left) 4 1 6 2 9 3 3 6 4 1 8 6 5 6 8 6 9 5 6 1 6 4 8 6 2 8 7 4 8
2 (Right)

How many 6's are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

A. Three

B. One

C. Two

D. More than three

**Q75 General Intelligence & Reasoning**

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right.

(Left) 9 8 7 4 5 2 5 3 8 4 3 6 2 1 5 7 9 3 1 5 7 4 6 2 3 7 4
(Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

A. 5

B. 3



C. 4

D. 6

Q76 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All bottles are cups.

All bottles are glasses.

Some glasses are teapots.

Conclusions:

(I): Some teapots are bottles.

(II): Some glasses are cups.

A. Only conclusion (II) follows



B. Neither conclusion (I) nor (II) follows

C. Only conclusion (I) follows

D. Both conclusions (I) and (II) follow

Q77 General Intelligence & Reasoning

In a certain code language, NSQE is coded as 165 and XIJA is coded as 132. What is the code for PEYO in that language?

A. 188

B. 179

C. 183



D. 170

Q78 General Intelligence & Reasoning

A, B, C, D, E and F are sitting around a circular table, facing the centre. B sits second to the left of E. D is an immediate neighbour of F. C sits to the immediate left of F. C sits second to the right of A. What is the position of E with respect to F?

A. Immediate left

B. Second to the right

C. Immediate right

D. Second to the left

**Q79 General Intelligence & Reasoning**

In the following triad, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

DRAWING - ADRWGIN - RADWNGI
FORMULA - RFOMAU - ORFMLAU

A. FASHION - SFAHNOI - ASFIHNO

B. FASHION - SAFHNIO - ASFHONI

C. FASHION - SAFNHIO - FASONHI

D. FASHION - SFAHNIO - ASFHONI

**Q80 General Intelligence & Reasoning**

In a certain code language,
A + B means 'A is the sister of B',
A # B means 'A is the brother of B',
A x B means 'A is the wife of B',
A @ B means 'A is the father of B'.

Based on the above, how is L related to R if 'L @ O x V # E + R'?

A. Brother's son

B. Wife's father

C. Brother's wife's brother

D. Brother's wife's father



Q81 General Awareness

What was India's rank in the 2025 SDG Index released by the UN Sustainable Development Solutions Network?

A. 78th

B. 87th

C. 99th



D. 121st

Q82 General Awareness

What approximate percentage of the Union Budget 2025-26 was allocated to gender-specific schemes to address women's empowerment?

A. 2.68%

B. 12.21%

C. 4.56%

D. 8.86%

**Q83 General Awareness**

As of August 2025, who among the following was the Governor of the Reserve Bank of India?

A. Dr. Nagesh Kumar

B. Shri Saugata Bhattacharya

C. Dr. Poonam Gupta

D. Shri Sanjay Malhotra

**Q84 General Awareness**

In April 2025, at the National Federation Cup Athletics held at Maharaja's College Ground in Ernakulam, which Indian long jumper broke Anju Bobby George's 23-year-old national record with a jump of 6.64 m?

A. Shaili Singh



B. D Sudha Singh

C. Ancy Sojan

D. Priyanka Goswami

Q85 General Awareness

What is the name of India's first humanoid robot developed for space missions, announced in 2023?

A. Suryamitra

B. Vyommitra



C. Aditya

D. Vikram

Q86 General Awareness

On which date is Birsa Munda Martyr's Day observed, as commemorated every year?

A. 26th January

B. 9th June



C. 5th November

D. 15th August

Q87 General Awareness

At the Bharat Climate Forum 2026, Shri C. P. Radhakrishnan stated that effective climate action can help India in which of the following?

A. Limiting population growth

B. Reducing agricultural exports

C. Focusing solely on fossil fuels

D. Strengthening energy security

**Q88 General Awareness**

At which competition did Gurindervir Singh break the national 100 m record?

A. South Asian Championships

B. Asian Games

C. Indian Grand Prix 1



D. Olympic Trials

Q89 General Awareness

Which data collection method contributed to the accurate poverty estimates in India, as per the SBI report in June 2025?

A. Modified Mixed Recall Period



B. Uniform Recall Period

C. Periodic Recall Method

D. Mixed Recall Period

Q90 General Awareness

Who co-chaired the AI Action Summit held in Paris in February 2025?

A. Prime Minister Rishi Sunak and President Emmanuel Macron

B. Prime Minister Narendra Modi and President Joe Biden

C. Prime Minister Narendra Modi and President Emmanuel Macron



D. Chancellor Olaf Scholz and President Emmanuel Macron



Q91 General Awareness

Who set a new world indoor 5000 m race walk record at the Italian Indoor Championships in Ancona (Feb 2025)?

- A. Evan Dunfee
- B. Toshikazu Yamanishi
- C. Matteo Giupponi
- D. Francesco Fortunato

Q92 General Awareness

In 2025, India raised concerns with China regarding the construction of a major upstream hydropower project, urging protection of downstream rights. This project is being developed on which river?

- A. Sutlej
- B. Kosi
- C. Indus
- D. Brahmaputra

Q93 General Awareness

At the World Governments Summit 2025 in Dubai, which of the following awards recognised pioneering government initiatives worldwide for innovation and social impact?

- A. Global Public Leadership Award
- B. Government Innovation Excellence Award
- C. Global Government Excellence Award
- D. Smart Governance Achievement Award

Q94 General Awareness

Which tribal poet from Jharkhand received the Sahitya Akademi Yuva Puraskar in June 2025 for 'Phir Ugna'?

- A. Parvati Tirkey
- B. Mayur Khavdu
- C. Kirtida Brahmabhatt
- D. Akhil P Dharmajan

Q95 General Awareness

The 15th edition of the India-Vietnam Defence Policy Dialogue (DPD) was held in which of the following cities in November 2025?

- A. Hanoi
- B. Pune
- C. Ho Chi Minh
- D. New Delhi

Q96 General Awareness

When did/will the new FASTag annual plan become effective in India?

- A. 15 August 2025
- B. 2 October 2025
- C. 1 September 2025
- D. 26 November 2025

Q97 General Awareness

In July 2025, the Union Environment Ministry notified the Environment Protection Rules, 2025, for which sites?

- A. Chemically Contaminated Sites
- B. Tourist Sites
- C. Crowded Sites
- D. Hilltop Sites

Q98 General Awareness

Which league launched in January 2025 featured international kabaddi teams and set up record-level participation?

- A. Global Indian Pravasi Kabaddi League
- B. Kabaddi Premier Series
- C. Indian Super Kabaddi
- D. World Kabaddi League

Q99 General Awareness

What is the name of the comprehensive strategic partnership treaty signed in January 2025, between Russia and Iran, covering defense, energy, cybersecurity and regional cooperation?

- A. Iran–Russia Treaty on Business and Strategic Cooperation Treaty
- B. Iranian–Russian Treaty on Coordination and Security Partnership
- C. Iranian–Russian Treaty on Comprehensive Strategic Partnership
- D. Iran–Russia Treaty on Comprehensive Defence and Trade Partnership

Q100 General Awareness

Which significant new financial institution was launched in June 2025 to support India's maritime economy?

- A. Coastal Infrastructure Fund
- B. Blue Economy Bank
- C. Sagarmala Finance Corporation Ltd.
- D. India Marine Credit Bank



General Science

25 Questions • Answer Key

Q1 General Science

Which of the following statements is/are NOT true regarding the work done by a constant force acting on a body?

- (i) The work done by the force can never be negative.
- (ii) If the direction of the force and displacement of the body is same, the work done will be positive.
- (iii) The S.I. unit of work done is Pascal.

- A. Only (i)
- B. Only (ii)
- C. Both (i) and (iii) ✓
- D. Both (ii) and (iii)

Q2 General Science

Where are protons found in an atom?

- A. Energy Levels
- B. Nucleus ✓
- C. Orbitals
- D. Electron Cloud

Q3 General Science

The regular changes in the ovary and uterus during egg formation is called _____.

- A. fertilisation cycle
- B. estrous cycle
- C. menstrual cycle ✓
- D. circadian rhythm

Q4 General Science

A girl clapped her hands near a cliff and heard the echo after 4 s. What is the distance of the cliff from the girl if the speed of the sound is taken as 320 m s^{-1} ?

- A. 1280 m
- B. 320 m
- C. 640 m ✓
- D. 80 m

Q5 General Science

What does variation within a species ensure?

- A. Better adaptability and chances of survival ✓
- B. Similar response to environmental changes
- C. No mutations
- D. No evolution

Q6 General Science

Which of the following is/are true about the acceleration due to gravity?

- (i) The value of acceleration due to gravity depends on the mass of the object falling under the effect of gravity.
- (ii) The value of acceleration due to gravity is universally constant.

- A. Only (ii)
- B. Neither (i) nor (ii) ✓
- C. Both (i) and (ii)
- D. Only (i)

Q7 General Science

Rough endoplasmic reticulum (RER) bears ____ for protein synthesis, while smooth endoplasmic reticulum (SER) synthesizes ____.

- A. pores; RNA
- B. ribosomes; lipids ✓
- C. enzymes; sugars
- D. lysosomes; DNA

Q8 General Science

Which feature is common to all solids?

- A. Definite volume and shape under normal conditions ✓
- B. Ability to flow like liquids in open containers
- C. Easily compressible structure when pressure applied
- D. Infinite expansion capability with added energy



Q9 General Science

From a distance–time graph, an object moves from point A to point B, covering a distance ($s_2 - s_1$) in time ($t_2 - t_1$).

Which of the following correctly represents the speed (v) of the object?

A. $v = (s_1 - s_2)(t_1 - t_2)$

B. $v = (s_2 - s_1)(t_2 - t_1)$

C. $v = (s_2 - s_1)/(t_2 - t_1)$

D. $v = (t_2 - t_1)/(s_2 - s_1)$

Q10 General Science

In the reaction $\text{CuO} + \text{H}_2 \rightarrow \text{Cu} + \text{H}_2\text{O}$, which substance is oxidised?

A. Copper

B. Copper oxide

C. Water

D. Hydrogen

Q11 General Science

What happens to the magnetic field strength produced by a circular coil if the number of turns (n) is increased while keeping the current constant?

A. It becomes n times larger than for a single turn.

B. It remains the same as for a single turn.

C. It only increases if the diameter is also increased.

D. It decreases inversely with n .

Q12 General Science

The sulphide ores of metals, which lie in the middle of activity series, are first converted to oxides. The necessary condition for this conversion is:

A. absence of oxygen

B. presence of excess air

C. presence of high pressure

D. presence of high temperature

Q13 General Science

Which one of the following is NOT a tissue?

A. Blood

B. Nerves

C. Muscles

D. Red blood cells

Q14 General Science

Which of the following statements is correct about the absolute refractive index?

A. It is always greater than 1.

B. It is always less than 1.

C. It is always negative.

D. It is always equal to 1.

Q15 General Science

How is the timely sowing of crops helpful for the farmer?

A. It increases weed growth.

B. It attracts pests.

C. It decreases crop yield.

D. It avoids competition with weeds.

Q16 General Science

What is typically involved in an addition reaction?

A. Functional groups are replaced by others

B. Atoms get added to unsaturated bonds

C. Removal of atoms from molecules takes place

D. Oxidation changes without new bonding

Q17 General Science

Which of the following is NOT correct according to the sign convention for spherical lenses?

A. Distances measured to the right of the optical centre are positive.

B. Object is always placed on the left of the lens.

C. Focal length of a concave lens is taken as negative.

D. Focal length of a convex lens is taken as negative.

Q18 General Science

According to Bohr's model of an atom, the 'M' shell is represented by the principal quantum number 'n' equal to:

A. 4

B. 3

C. 2

D. 1



Q19 General Science

The sexually transmitted disease AIDS is caused by which of the following?

- A. Protozoa
- B. Helminths
- C. Bacteria
- D. Virus

**Q20 General Science**

In uniform circular motion, the direction of velocity of an object is:

- A. Along the radius, away from the center
- B. Perpendicular to the axis of rotation
- C. Along the radius, toward the center
- D. Tangential to the circular path

**Q21 General Science**

Which of the following types of reactions is a neutralisation reaction?

- A. Decomposition
- B. Double displacement
- C. Combustion
- D. Single displacement

**Q22 General Science**

When the terminal phosphate linkage in ATP is broken using water, the energy equivalent to ____ kJ/mol is released.

- A. 50
- B. 71.5
- C. 30.5
- D. 5

**Q23 General Science**

What is the best way to manage non-biodegradable waste such as plastic?

- A. Recycle and reuse it
- B. Bury it in soil
- C. Burn it in open air
- D. Mix it with compost

**Q24 General Science**

What does the presence of parallel straight magnetic field lines inside a solenoid indicate?

- A. The magnetic field is infinite inside the solenoid
- B. The magnetic field is uniform inside the solenoid
- C. The magnetic field is non-uniform and changes at different points
- D. The magnetic field is zero inside the solenoid

**Q25 General Science**

Why does the temperature of ice remain constant during the melting of ice?

- A. Ice reflects heat
- B. Heat is used to break the bonds between molecules
- C. Ice becomes denser
- D. Ice absorbs heat but does not melt

**Mathematics**

25 Questions • Answer Key

Q26 Mathematics

The amount on a sum of ₹4,200 at 10% per annum compound interest, compounded annually, in 2 years will be:

- A. ₹5,938
- B. ₹5,082
- C. ₹5,102
- D. ₹5,942

**Q27 Mathematics**

Find the single equivalent discount (rounded off to two decimal places) for successive discounts of 18%, 6% and 25%.

- A. 42.07%
- B. 42.19%
- C. 42.89%
- D. 41.85%



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Q28 Mathematics

The marked price of a washing machine is ₹45,000. A shopkeeper allows a discount of 44% and gets a profit of 80%. What is the cost price of the washing machine?

A. ₹14,000



B. ₹13,850

C. ₹14,154

D. ₹14,042

Q29 Mathematics

The sum of three numbers is 270. If the ratio of the second number to the first number is 2:12 and that of the third number to the second number is 5:10, then find the second number.

A. 34

B. 36



C. 35

D. 37

Q30 Mathematics

A car goes to a place at a speed of 24 km/hr and returns from there at a speed of 28 km/hr. The average speed (in km/hr, rounded off to 2 decimal places) of the car in the entire journey is:

A. 25.85



B. 27.34

C. 24.82

D. 22.12

Q31 Mathematics

The ratio of numbers of girls and boys participating in sports of a school is 1 : 7. If the number of girls is 300, determine the number of boys participating in the sports.

A. 2100



B. 2120

C. 2130

D. 2075

Q32 Mathematics

An employee claims ₹20 for each kilometre when he travels by taxi and ₹10 for each kilometre if he travels by his own car. In one week, he claimed ₹2,200 for travelling 120 km. How many kilometres did he travel by taxi?

A. 90

B. 95

C. 100



D. 80

Q33 Mathematics

The ratio of length, breadth and height of a cuboid box is in the ratio 5 : 4 : 4 while the areas of the three adjacent faces of a cuboidal box are 160 cm^2 , 64 cm^2 and 40 cm^2 , respectively. Find the lateral surface area of the box (in cm^2).

A. 396

B. 288



C. 298

D. 306

Q34 Mathematics

A, B and C can do a piece of work in 3, 6 and 6 days, respectively. How long (in days) will they take to do twice the same work, working together?

A. 3



B. 4

C. 9

D. 6

Q35 Mathematics

A shopkeeper buys a toy for ₹388 and sells it for ₹485. Find his profit percentage.

A. 8%

B. 12%

C. 25%



D. 19%



Q36 Mathematics

If Akhil is as much older than Vijay as he is younger than Karthik, and sum of the ages of Vijay and Karthik is 84 years, then find the age of Akhil.

A. 40 years

B. 44 years

C. 42 years



D. 46 years

Q37 Mathematics

The product of two numbers is 324 and their HCF is 3. Then their LCM will be:

A. 102

B. 321

C. 36

D. 108

**Q38 Mathematics**

If the length of a cuboid is 21 cm, breadth is 2 cm and the volume of the cuboid is 9198 cm^3 , then find the height of the cuboid.

A. 212 cm

B. 219 cm



C. 228 cm

D. 223 cm

Q39 Mathematics

In a quadrilateral IJKL, $\angle I = 11^\circ$ and $\angle J = 79^\circ$. The bisectors of $\angle K$ and $\angle L$ meet at Z. What is the measure of $\angle LZK$?

A. 31°

B. 55°

C. 51°

D. 45°

**Q40 Mathematics**

The average age of 48 students of a class is 19 years. If the age of the teacher is also included, the average age of the whole group becomes 20 years. The age (in years) of the teacher is:

A. 65

B. 69

C. 68



D. 67

Q41 Mathematics

In an election, there are two candidates. The winner obtains 49% votes of the total number of voters in the electoral list and defeats the other contestant by 120 votes. If 10% of the voters did not vote, find the total number of voters in the electoral list.

A. 1420

B. 1450

C. 1500



D. 1590

Q42 Mathematics

The number of prime numbers lying between 376 and 384 is:

A. 4

B. 3

C. 2



D. 1

Q43 Mathematics

The average of first 8 odd natural numbers, is:

A. 8



B. 7.5

C. 9

D. 8.5



Q44 Mathematics

A car covers three successive 20 km distances at speeds of 10 km/hr, 20 km/hr and 40 km/hr, respectively. Its average speed (in km/hr) is:

A. $15\frac{3}{7}$

B. $13\frac{2}{5}$

C. $19\frac{1}{5}$

D. $17\frac{1}{7}$ ✓

Q45 Mathematics

Solve:
$$\frac{(6.9)^3 + (2.8)^3 + (6.3)^3 - 3 \times 6.9 \times 2.8 \times 6.3}{(6.9)^2 + (2.8)^2 + (6.3)^2 - 6.9 \times 2.8 - 2.8 \times 6.3 - 6.9 \times 6.3}$$

A. 14

B. 18

C. 12

D. 16 ✓

Q46 Mathematics

From the top of a 60 – metre – high tower, the angle of depression to a car on the ground is 30° . Find the distance from the tower to the car. (Use $\sqrt{3} = 1.7$)

A. 128 m

B. 102 m ✓

C. 98 m

D. 118 m

Q47 Mathematics

By how much is 60% of 45 greater than $\frac{2}{5}$ of 15?

A. 15

B. 21 ✓

C. 19

D. 18



Q48 Mathematics

$\frac{1}{30}$ is what percentage of $\frac{2}{60}$?

A. 100%



B. 110%

C. 115%

D. 200%

Q49 Mathematics

A contractor employed 24 men to build a wall, and they completed the work in 12 days. After working together for 5 days, 6 men leave the job and do not return. How many days more will the remaining men take to complete the work?

A. $8\frac{2}{3}$ daysB. $10\frac{1}{2}$ daysC. $9\frac{2}{3}$ daysD. $9\frac{1}{3}$ days**Q50** Mathematics

Find the simplified value of $(\sqrt{48} + \sqrt{75}) \div \sqrt{3}$.

A. 9



B. 8

C. 7

D. 10

General Intelligence & Reasoning

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

Seven people (A, B, C, D, E, F and G) are sitting around a circular table, facing towards the centre. C is an immediate neighbour of both A and D. B sits to the immediate left of D. A sits second to the left of F. G is an immediate neighbour of both B and F. Who is sitting to the immediate right of A?

A. F

B. G

C. E



D. B

Q52 General Intelligence & Reasoning

Refer to the following series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 2 1 7 8 7 4 3 8 5 7 5 2 9 5 3 2 3 2 1 6 1 7 7 5 2 3 1
(Right)

How many such odd numbers are there each of which is immediately preceded by an even number and also immediately followed by an even number?

A. 3

B. 4



C. 6

D. 5



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Q53 General Intelligence & Reasoning

Asim starts from Point A and drives 60 km towards the west. He then takes a right turn, drives 55 km, turns right and drives 64 km. He then takes a right turn and drives 71 km. He takes a final right turn, drives 4 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 16 km to the north



B. 17 km to the south

C. 15 km to the north

D. 18 km to the south

Q54 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

20 32 46 62 80 ?

A. 106

B. 100



C. 98

D. 105

Q55 General Intelligence & Reasoning

A, B, C, D, E and F are sitting around a circular table, facing the centre. B sits second to the left of E. D is an immediate neighbour of B. A sits to the immediate left of B. C sits second to the right of E. F sits to the immediate left of C. What is the position of A with respect to F?

A. Immediate left

B. Second to the left

C. Second to the right



D. Immediate right

Q56 General Intelligence & Reasoning

In a row of 47 people facing north, Umesh is 15th from the right end. If Ketan sits 19th to the left of Umesh, what is Ketan's position from the left end of the line?

A. 16th

B. 14th



C. 15th

D. 13th

Q57 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All peas are carrots.

All carrots are turnips.

Conclusions:

(I) Some turnips are carrots.

(II) All peas are turnips.

A. Both conclusions (I) and (II) follow.



B. Only conclusion (I) follows.

C. Neither conclusion (I) nor (II) follows.

D. Only conclusion (II) follows.

Q58 General Intelligence & Reasoning

In a certain code language, 'time heals wound' is coded as 'dj yk eb' and 'let time reveal' is coded as 'fx ov yk'. How is 'time' coded in that language?

A. ov

B. fx

C. dj

D. yk

**Q59 General Intelligence & Reasoning**

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. KO-PT

B. MQ-QX



C. BF-GK

D. FJ-KO



Q60 General Intelligence & Reasoning

Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) 1 4 * @ 9 & & £ \$ 7 2 8 & 9 5 £ £ # 6 * 1 % (Right)

How many such numbers are there, each of which is immediately preceded by a number and also immediately followed by a symbol?

A. 4

B. 2

C. 5

D. 3

**Q61 General Intelligence & Reasoning**

Mr. Zzz ranked 14th from the top and 67th from the bottom in his class. How many students are there in his class?

A. 80



B. 89

C. 86

D. 85

Q62 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

DER UVI LMZ CDQ ?

A. TIH

B. TUH



C. THI

D. THU

Q63 General Intelligence & Reasoning

If 'A' stands for '+', 'B' stands for '×', 'C' stands for '÷' and 'D' stands for '−', then what will come in place of the question mark (?) in the following equation?

17 D 4 B 3 C 54 A 9 = ?

A. 11



B. 12

C. 14

D. 13

Q64 General Intelligence & Reasoning

If 1 is added to each even digit and 1 is subtracted from each odd digit in the number 716324598, what will be the sum of all the odd digits in the new number thus formed?

A. 26

B. 24



C. 22

D. 20

Q65 General Intelligence & Reasoning

What will come in place of the question mark (?) in the following equation if '+' and '−' are interchanged and '×' and '÷' are interchanged?

$8 - 7 \div 39 \times 13 + 12 = ?$

A. 14

B. 17



C. 16

D. 15

Q66 General Intelligence & Reasoning

OILQ is related to SMPU in a certain way based on the English alphabetical order. In the same way, KEHM is related to OILQ. To which of the given options is TNQV related, following the same logic?

A. XSUZ

B. XRUY

C. XRUZ



D. XSUY

Q67 General Intelligence & Reasoning

Which of the given letter-number clusters will replace the question mark (?) in the following series to make it logically complete?

QRP 64 STR 54 UVT 44 WXV 34 ?

A. YYW 23

B. YZX 24



C. YGP 23

D. YAW 24



Q68 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(15, 6, 11)
(24, 15, 20)

A. (16, 7, 12)



B. (23, 14, 9)

C. (19, 28, 33)

D. (18, 9, 4)

Q69 General Intelligence & Reasoning

In the following triad, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

INKS - KINS - SKNI
READ - ARED - DAER

A. HOME - MHOE - EMOH



B. TOMB - MTOB - OMBT

C. PLAY - LPAY - YLAP

D. FROM - FORM - MORF

Q70 General Intelligence & Reasoning

A, B, C, D, N, O and P are sitting in a straight line, facing north.

Only two people sit between D and P. Only C sits to the right of O. Only one person sits between P and O. A sits at some place to the right of N but at some place to the left of B.

How many people sit between B and N?

A. Two



B. One

C. Three

D. Four

Q71 General Intelligence & Reasoning

In a certain code language, 'LEASK' is coded as '76432' and 'KASEY' is coded as '46837'. What is the code for 'L' in that language?

A. 7

B. 2



C. 4

D. 3

Q72 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

18 19 23 32 48 ?

A. 85

B. 73



C. 83

D. 75

Q73 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. SPR



B. KHL

C. WTX

D. FCG

Q74 General Intelligence & Reasoning

XD 15 is related to BG 20 in a certain way. In the same way, MT 25 is related to QW 30. To which of the given options is LR 10 related, following the same logic?

A. PV 10

B. MS 15

C. QW 15

D. PU 15



Q75 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

12 18 6 24 ? 30

A. 25

B. 48

C. 36

D. 0

**Q76 General Intelligence & Reasoning**

Refer to the given series and answer the question that follows (All numbers are single digit numbers only.)
Counting to be done from left to right.

(Left)

5 8 5 6 1 8 6 8 5 1 5 8 8 8 9 4 1 6 1 8 4 2 5 4
3 2 1 2 6 (Right)

How many such odd digits are there, each of which is immediately preceded by an even digit and also immediately followed by an even digit?

A. four

B. three

C. five

D. eight

**Q77 General Intelligence & Reasoning**

Read the given statements and conclusions carefully.
Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:

All hats are mats.
All hats are cats.
All dogs are cats.

Conclusions:

(I) All dogs are mats.
(II) Some cats are mats.

A. Only conclusion (II) follows.



B. Only conclusion (I) follows.

C. Neither conclusion (I) nor (II) follows.

D. Both conclusions (I) and (II) follow.

Q78 General Intelligence & Reasoning

In a certain code language,
A+ B means 'A is the son of B',
A - B means 'A is the brother of B',
A x B means 'A is the wife of B',
and A & B means 'A is the father of B'.

How is K related to V if 'K+T&RxZ-V'?

A. Brother

B. Brother's wife's brother



C. Brother's wife's father

D. Father

Q79 General Intelligence & Reasoning

Refer to the given series and answer the question that follows. All numbers are single digit numbers only.
Counting to be done from left to right.

(Left) 6 2 5 6 9 1 6 7 6 3 4 7 9 3 7 7 4 5 7 7 6 3 5 6 5 1 3
(Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

A. 3

B. 6

C. 5

D. 4

**Q80 General Intelligence & Reasoning**

Ashish starts from Point K and drives 12 km towards the east. He then takes a right turn; drives 10 km; turns left and drives 3 km. He then takes a right turn and drives 5 km. He then takes a right turn and drives 18 km. He takes a final right turn; drives 15 km and stops at Point Z. How far (shortest distance) and in which direction is Point Z with respect to Point K?

(All turns are 90 degree turns only unless specified.)

A. 6 km towards north

B. 6 km towards east

C. 3 km towards south

D. 3 km towards west



Q81 General Awareness

In October 2024, which state government launched India's first integrated state-level Cyber Command and Control Centre to serve as a comprehensive hub for handling grievances through multiple channels, including a helpline, web portal and mobile app?

- A. Chhattisgarh
- B. Gujarat
- C. Kerala
- D. Maharashtra

**Q82 General Awareness**

In the 2025 Uttarakhand flash flood that occurred on 5 August 2025, which Himalayan village on the route to Gangotri Dham was devastated by a torrent of water, mud and debris?

- A. Rudraprayag in Rudraprayag district, Uttarakhand
- B. Balta in Almora district, Uttarakhand
- C. Joshimath in Chamoli district, Uttarakhand
- D. Dharali in Uttarkashi district, Uttarakhand

**Q83 General Awareness**

From 1 August 2025, what is the new minimum average monthly balance (MAB) ICICI Bank requires for savings accounts in metro and urban areas for new customers?

- A. ₹75,000
- B. ₹10,000
- C. ₹25,000
- D. ₹15,000

**Q84 General Awareness**

Which of the following political parties won the most seats in the 2025 Bihar Legislative Assembly election?

- A. Bharatiya Janata Party
- B. Rashtriya Janata Dal
- C. Janata Dal (United)
- D. Indian National Congress

**Q85 General Awareness**

In July 2025, which global insurance giant entered into a binding agreement with Jio Financial Services to form a 50:50 reinsurance joint venture?

- A. American International Group (AIG)
- B. Allianz Group
- C. Zurich Insurance Group
- D. Generali Group

**Q86 General Awareness**

Which of the following Indian Army regiments participated in the Mitra Shakti-2025 exercise?

- A. Garhwal Regiment
- B. Sikh Regiment
- C. Gorkha Regiment
- D. Rajput Regiment

**Q87 General Awareness**

The National Tourism Day was celebrated in India on which date in 2025?

- A. 24 June 2025
- B. 24 May 2025
- C. 25 January 2025
- D. 24 February 2025

**Q88 General Awareness**

In which Union Budget was the Prime Minister Dhan-Dhaanya Krishi Yojana announced by the Government of India?

- A. 2020-2021
- B. 2025-2026
- C. 2023-2024
- D. 2018-2019

**Q89 General Awareness**

Which of the following organizations released the report titled the State of World's Forests, 2025, in May 2025?

- A. IUCN
- B. FAO
- C. UNEP
- D. WWF



Q90 General Awareness

In September 2025, what move did Karnataka take to address unemployment by building future-ready workforce capacity?

- A. Reservation policy mandating jobs only for Karnataka residents
- B. Sectoral incentive plan focusing mainly on agriculture and handicrafts
- C. State Skill Development Policy using digital and inclusive training tools ✓
- D. International scholarship scheme for student internships abroad

Q91 General Awareness

In June 2025, who set a new world record of 6.28 m in the men's pole vault at the 2025 Stockholm Diamond League?

- A. Armand Duplantis ✓
- B. Emmanouil Karalis
- C. Kurtis Marschall
- D. Sam Kendricks

Q92 General Awareness

In May 2025, which state / union territory government mandated rooftop sprinkler systems on high-rise buildings?

- A. Delhi ✓
- B. Telangana
- C. Andhra Pradesh
- D. Haryana

Q93 General Awareness

Which of the following international organizations was founded in 1945 to promote peace, security and cooperation among countries worldwide?

- A. World Trade Organization (WTO)
- B. International Monetary Fund (IMF)
- C. North Atlantic Treaty Organization (NATO)
- D. United Nations (UN) ✓

Q94 General Awareness

Which of the following associations organised the 2nd Federation Gatka Cup 2025 in Bengaluru in November 2025?

- A. National Gatka Association of India ✓
- B. All India Sports and Martial Arts Council
- C. Federation of Traditional Indian Sports
- D. Indian Gatka and Martial Arts Federation

Q95 General Awareness

The new logo unveiled by the Ministry of Statistics & Programme Implementation (MoSPI) conveys which core theme that highlights the importance of official statistics in national progress?

- A. Digital India
- B. Public Service Delivery
- C. Data for Development ✓
- D. Economic Resurgence

Q96 General Awareness

Which of the following national parks was highlighted in 2025 as a leading grassland bird habitat after its inaugural survey recorded 43 grassland bird species (including Finn's Weaver and Bengal Florican)?

- A. Kaziranga National Park ✓
- B. Dudhwa National Park
- C. Keoladeo National Park
- D. Desert National Park

Q97 General Awareness

The inaugural Fit India Carnival, a three-day celebration of fitness and wellness, was held in March 2025. In which city did this pioneering event take place?

- A. Bengaluru
- B. Chennai
- C. New Delhi ✓
- D. Mumbai

Q98 General Awareness

Which swimmer set multiple WRs in the 400 m freestyle, 200 m IM, and 400 m IM during the World Short Course Swimming Championships in Budapest, Hungary, 2024?

- A. Katinka Hosszú
- B. Katie Ledecky
- C. Summer McIntosh ✓
- D. Ariarne Titmus

Q99 General Awareness

Which cricketer earned the prestigious title of ICC Men's Test Cricketer of the Year for 2024?

- A. Rohit Sharma
- B. Ravichandran Ashwin
- C. Virat Kohli
- D. Jasprit Bumrah ✓



Q100 General Awareness

In June 2025, which disease was officially declared eliminated in India by the World Health Organization (WHO), marking a major public health milestone?

A. Trachoma



B. Kala-azar

C. Yaws

D. Lymphatic Filariasis



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General Science

25 Questions • Answer Key

Q1 General Science

Which of the following is true about the homologous series?

- A. All members have the same boiling point.
- B. All members have different functional groups.
- C. All members have the same molecular weight.
- D. Each successive member differs by $-CH_2-$ group. ✓

Q2 General Science

If the acceleration of a body is halved and mass remains constant, the force will _____.

- A. Become zero
- B. Halve ✓
- C. Remain the same
- D. Double

Q3 General Science

When an iron nail is placed in copper sulphate solution, what is observed?

- A. Hydrogen gas is evolved.
- B. No reaction occurs.
- C. Copper dissolves and iron deposits on the nail.
- D. Iron dissolves and copper deposits on the nail. ✓

Q4 General Science

Rabi crops are harvested in which season?

- A. Monsoon
- B. Winter
- C. Summer ✓
- D. Autumn

Q5 General Science

A convex lens forms an image of an object placed 30 cm away. The image is formed at 60 cm on the other side. The magnification is:

- A. $+1/2$
- B. $+2$
- C. -2 ✓
- D. $-1/2$

Q6 General Science

To hear a distinct echo, what should be the minimum time interval between the original sound and the reflected sound?

- A. 1.0 s
- B. 0.2 s
- C. 0.01 s
- D. 0.1 s ✓

Q7 General Science

What are the primary products formed during the complete combustion of most carbon compounds?

- A. Carbon monoxide and water
- B. Carbon dioxide, water, and energy ✓
- C. Alcohols and carboxylic acids
- D. Soot and carbon dioxide

Q8 General Science

Which statement is correct about magnetic field lines?

- A. They start from the south pole.
- B. They never intersect each other. ✓
- C. They can intersect at the poles.
- D. They form random curves.

Q9 General Science

Identify the correct matches mentioned in column A with column B.

Column A	Column B
(p) Sepal and petal	(i) Reproductive part
(q) Stamen and pistil	(ii) Accessory part
(r) Stigma	(iii) Stamen
(s) Pollen grain	(iv) Pistil

- A. p – ii, q – i, r – iv, s – iii ✓
- B. p – i, q – ii, r – iii, s – iv
- C. p – iii, q – i, r – iv, s – ii
- D. p – iv, q – iii, r – ii, s – i



Q10 General Science

Which part of Bryophyllum develops new plantlets for vegetative propagation?

- A. Stem
- B. Flower
- C. Leaf margin
- D. Root

**Q11 General Science**

Which of the following statements is true about the potential energy?

- A. It cannot be converted into other forms of energy.
- B. It is only present when an object is moving.
- C. It is energy stored due to position or condition.
- D. It depends on the object's motion.

**Q12 General Science**

Which activity of insects directly causes the loss of plant nutrients?

- A. Sucking the cell sap
- B. Eating only fallen leaves
- C. Laying eggs on the plant
- D. Boring into the soil

**Q13 General Science**

Which of the following is a characteristic of liquids?

- A. Fixed shape and volume
- B. Fixed shape but variable volume
- C. No fixed shape or volume
- D. No fixed shape but fixed volume

**Q14 General Science**

A ball is dropped from rest. What will be the velocity of the ball after falling 20 m?
(Take, $g = 10 \text{ m/s}^2$)

- A. 20.0 m/s
- B. 10.0 m/s
- C. 40.0 m/s
- D. 50.0 m/s

**Q15 General Science**

A characteristic of a colloidal solution is that:

- A. it is a homogeneous mixture
- B. it is an azeotrope
- C. it is a heterogeneous mixture
- D. it is an ideal solution

**Q16 General Science**

Which of the following correctly represents the sequence of colours observed on the screen when white light passes through a prism in its standard orientation?

- A. GYORVIB
- B. BYVROIG
- C. ROYGBIV
- D. VIBGYOR

**Q17 General Science**

Which of the following statements is correct regarding the female reproductive system?

- A. The uterus produces eggs that travel through the vagina.
- B. The cervix connects the ovaries to the uterus.
- C. The fallopian tubes carry the egg from the ovary to the uterus.
- D. A girl starts producing eggs only after she reaches puberty.

**Q18 General Science**

Which of the following statements about average velocity is NOT correct?

- A. It is always the same as average speed.
- B. It is measured in m/s.
- C. It depends on the direction of motion.
- D. It is the total displacement divided by total time.

**Q19 General Science**

Which of the following is an example of a cyclic hydrocarbon?

- A. Methane
- B. Cyclohexane
- C. Ethene
- D. Butane



Q20 General Science

Inside the lungs, rapid exchange of gases takes place between the air and the blood. Which type of epithelial tissue helps in this process?

A. Simple squamous epithelium ✓

B. Ciliated columnar epithelium

C. Stratified squamous epithelium

D. Cuboidal epithelium

Q21 General Science

A botanist observes a plant exhibiting rapid growth at its shoot tip. Which type of plant tissue is most likely responsible for this growth?

A. Intercalary meristem

B. Apical meristem ✓

C. Lateral meristem

D. Permanent tissue

Q22 General Science

Plastids are easily observed under a microscope because:

A. they contain DNA

B. they are large and contain pigments ✓

C. they are colourless

D. they are very small

Q23 General Science

Which of the following combinations will consume more electrical power if connected to the same voltage source?

A. Zero resistance

B. Higher resistance

C. Lower resistance ✓

D. Equal resistance

Q24 General Science

Which of the following is a neutralisation reaction?

A. $\text{Zn} + \text{HCl} \rightarrow \text{ZnCl}_2 + \text{H}_2$

B. $\text{Fe} + \text{CuSO}_4 \rightarrow \text{FeSO}_4 + \text{Cu}$

C. $\text{CaCO}_3 \rightarrow \text{CaO} + \text{CO}_2$

D. $\text{NaOH} + \text{HCl} \rightarrow \text{NaCl} + \text{H}_2\text{O}$ ✓

Q25 General Science

Which of the following does NOT represent a pair of isotopes?

A. $^{35}_{17}\text{Cl}$ & $^{38}_{17}\text{Cl}$ ✓

B. $^{35}_{17}\text{Cl}$ & $^{37}_{17}\text{Cl}$

C. ^3_1H & ^2_1H

D. ^1_1H & ^2_1H

Mathematics

25 Questions • Answer Key

Q26 Mathematics

In a region 86% of registered voters participated in voting. If the total registered voters are 18,000 in that region, then how many voters participated in voting?

A. 15,480 voters ✓

B. 18,000 voters

C. 15,490 voters

D. 15,080 voters

Q27 Mathematics

After allowing a discount of 75% on the marked price of an article, it is sold for ₹69,356. Find its marked price (in ₹).

A. 2,77,594

B. 2,77,431

C. 2,77,424 ✓

D. 2,77,339



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Q28 Mathematics

The arithmetic mean of the observations 25, 92, 48, 17, 38, 93, 37, 90 and 73 is:

A. 57



B. 67

C. 58

D. 55

Q29 Mathematics

P and Q together can fill a cistern with water in 12 hours. If P alone can fill the cistern with water in 21 hours, then in how many hours will Q alone fill one-fourth of the same cistern with water?

A. 15

B. 8

C. 7



D. 14

Q30 Mathematics

Two trains, X and Y, are running along parallel tracks towards each other. The length of train X is 150 m, and the length of train Y is 250 m. Train X is running at a speed of 60 km/hr, and train Y is running at a speed of 90 km/hr. How much time will it take for train X to cross train Y?

A. 7.6 seconds

B. 10.6 seconds

C. 9.6 seconds



D. 8.6 seconds

Q31 Mathematics

There were two candidates in an election. One candidate got 28% of the total valid votes and lost by 13,200 votes. Find the total number of valid votes.

A. 40,000

B. 60,000

C. 50,000

D. 30,000

**Q32 Mathematics**

The number of prime numbers between 368 and 376 is:

A. 1



B. 3

C. 0

D. 2

Q33 Mathematics

In quadrilateral PQRS, the bisectors of $\angle R$ and $\angle S$ meet at the point T (inside the quadrilateral) and $\angle STR = 33^\circ$. If the ratio of $\angle P$ to $\angle Q$ is 3 : 8, then what is the difference between the measures of $\angle Q$ and $\angle P$?

A. 34°

B. 30°



C. 26°

D. 32°

Q34 Mathematics

In a race, an athlete covers a distance of 390 m in 65 sec in the first lap. He covers the second lap of the same length in 195 sec. What is the average speed (in m/sec) of the athlete?

A. 12

B. 1

C. 3



D. 9

Q35 Mathematics

A sells to B at 20% profit, B sells to C at 25% loss, C sells to D at 40% profit. D pays ₹252. How much did A pay originally?

A. ₹180

B. ₹175

C. ₹200



D. ₹210

Q36 Mathematics

Sarah's age is 5 years more than twice her sister Emma's age. If the sum of their ages is 29 years, how old is Sarah?

A. 21 years



B. 18 years

C. 26 years

D. 23 years

Q37 Mathematics

A total profit of ₹28,800 is to be distributed amongst P, Q and R such that $P : Q = 17 : 5$ and $Q : R = 6 : 12$. The share (in ₹) of Q in the profit is:

A. 4,500



B. 4,600

C. 4,650

D. 4,400



Q38 Mathematics

A cricketer has an average of 77 runs over 12 innings. If he scores 266 runs in the 13th inning, by how many runs (rounded off to the nearest whole number) does his average score increase?

A. 6

B. 15



C. 9

D. 19

Q39 Mathematics

In a test, B got 50 marks while A got 75 marks, out of 115 maximum marks. What percentage of A's marks was B's marks? (Round off your answer to two decimal places.)

A. 65.22%

B. 150.24%

C. 66.67%



D. 115.32%

Q40 Mathematics

A cistern has a hole in the bottom through which water is leaking. A tap can fill the cistern in 3 hours and the hole in the bottom can empty the fully filled cistern in 5 hours. If both the tap and the hole are open, then what will be the time taken to completely fill the empty cistern?

A. 8 hours

B. 7.5 hours



C. 12.8 hours

D. 5.6 hours

Q41 Mathematics

What price should Kunal mark on a hoodie which cost him ₹8,400, so as to gain 25% after allowing successive discounts of 20% and 25%?

A. ₹17,648

B. ₹17,509

C. ₹17,500



D. ₹17,676

Q46 Mathematics

Evaluate: $3^5 \times 7^5 \div 21^3$

A. 341

B. 541

C. 21

D. 441

**Q42 Mathematics**

Find the simple interest (in ₹) on ₹2,000 at 7% per annum rate of interest for the period from 8 February 2023 to 22 April 2023.

A. 29

B. 27

C. 28



D. 26

Q43 Mathematics

The sum of two numbers is 86 and their difference is 12. Find the product of the two numbers.

A. 1613

B. 1813



C. 1913

D. 1713

Q44 Mathematics

The sides of a triangle are in the ratio 3 : 4 : 5. A square has its perimeter equal to the perimeter of the triangle. If the difference between their areas is 48 cm², find the perimeter of the triangle.

A. 52 cm

B. 42 cm

C. 48 cm



D. 56 cm

Q45 Mathematics

Suman, Tariq and Neha invest sums in the ratio 8 : 25 : 15, respectively. If they earned a total profit of ₹44,544 at the end of the year, then what is the positive difference between the shares of Suman and Neha?

A. ₹6,498

B. ₹6,496



C. ₹6,493

D. ₹6,497



Q47 Mathematics

$$-88 - 66$$

A. 6

B. 8



C. -8

D. -6

Q48 Mathematics

A metallic cylindrical tube is open at both ends. The external diameter of the tube is 12 cm, and its length is 63 cm. The thickness of the metal tube everywhere is 0.4 cm. What is the total surface area (in cm^2) of the tube?

(Take $\pi = \frac{22}{7}$, and round off the answer to the nearest multiple of 5.)

A. 4625



B. 4615

C. 4630

D. 4620

Q49 Mathematics

If $5^{x+1} = 1$, what is the value of x ?

A. 1

B. 0

C. -1



D. -5

Q50 Mathematics

The value of $\frac{3}{4}(\sin^2 3x - \tan^2 3x) + \frac{3}{4}(\cos^2 3x + \sec^2 3x)$ is _____.

A. 1

B. 1.5



C. 0.75

D. 0.5

General Intelligence & Reasoning

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

Aditi ranked 8th from the top and 25th from the bottom in her class. How many students are there in the class?

A. 29

B. 30

C. 31

D. 32



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Q52 General Intelligence & Reasoning

Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion(s) logically follow/s from the given statements.

Statements: All pots are mats. Some mats are hats. All hats are cats.

Conclusions I: All cats are mats

Conclusions II: Some cats are pots.

A. Neither Conclusion I nor II follows



B. Only Conclusion I follows

C. Only Conclusion II follows

D. Both Conclusions I and II follow

Q53 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

445 440 450 444 454 447 ?

A. 454

B. 457



C. 456

D. 458

Q54 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

35 - 7 - 5

60 - 6 - 10

A. 40 - 5 - 9

B. 12 - 4 - 2

C. 63 - 7 - 9



D. 81 - 7 - 8

Q55 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

CAR GYV KWZ OUD ?

A. STG

B. RSI

C. SSH



D. TRG

Q56 General Intelligence & Reasoning

Refer to the given number series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 7 5 2 4 9 5 3 8 9 1 2 6 6 6 8 4 5 3 9 1 7 9 8 6 3 6 9
(Right)

How many such even numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

A. 5

B. 2

C. 3



D. 4

Q57 General Intelligence & Reasoning

Arvind starts from Point K and drives 10 km towards the west. He then takes a left turn; drives 8 km; turns left and drives 4 km. He then takes a right turn and drives 4 km. He then takes a left turn and drives 6 km. He takes a final left turn; drives 8 km and stops at Point Y. How far (shortest distance) and in which direction is Point Y with respect to Point K?

(All turns are 90 degree turns only unless specified.)

A. 8 km towards east

B. 4 km towards south



C. 4 km towards west

D. 8 km towards north



Q58 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

XVX 49 AYA 41 DBD 33 GEG 25 ?

A. JNS 16

B. JII 17

C. JGI 16

D. JHJ 17

**Q59 General Intelligence & Reasoning**

AZXT is related to XWUQ in a certain way based on the English alphabetical order. In the same way, VUSO is related to SRPL. To which of the given options is TSQM related, following the same logic?

A. QOMJ

B. QPMJ

C. QPNJ



D. QQMS

Q60 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

17 32 49 68 89 ?

A. 109

B. 114

C. 111

D. 112

**Q61 General Intelligence & Reasoning**

A, B, C, D, E and F are sitting around a circular table facing the centre. A sits third to the right of F. B sits second to the left of C. D sits third to the right of C. E sits to the immediate left of A. How many people sit between E and D when counted from the left of D?

A. One



B. None

C. Two

D. Four

Q62 General Intelligence & Reasoning

M, N, O, P, Q and R are sitting around a circular table facing the centre. P is an immediate neighbour of both N and Q. M is sitting second to the right of Q. R is an immediate neighbour of both M and N. What is the position of Q with respect to P?

A. Immediate left

B. Second to the right

C. Third to the left

D. Immediate right

**Q63 General Intelligence & Reasoning**

In a certain code language, 'what are those' is written as 'np tr sq' and 'take those gifts' is coded as 'hk my tr'. How is 'those' coded in that language?

A. np

B. tr



C. hk

D. my

Q64 General Intelligence & Reasoning

What should come in place of the question mark (?) in the following series?

1 11 31 61 ? 151

A. 91

B. 101



C. 111

D. 121

Q65 General Intelligence & Reasoning

Six boxes, L, M, N, O, P and Q, are stacked vertically. Q is placed at the topmost position. N is placed immediately below P. M is placed immediately above P. L is placed second from the bottom. Which box is placed at the bottommost position?

A. M

B. P

C. O



D. N



Q66 General Intelligence & Reasoning

Mr. Akai starts from Point A and drives 9 km towards west. He then takes a left turn, drives 9 km, turns left and drives 17 km. He then takes a left turn and drives 18 km. He takes a final left turn, drives 8 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only, unless specified.)

- A. 12 km to the north
- B. 9 km to the north
- C. 9 km to the south
- D. 12 km to the east

Q67 General Intelligence & Reasoning

In a certain code language, 'cute red flowers' is coded as 'by gh cf' and 'nice red dress' is coded as 'jk bt gh'. How is 'red' coded in that language? (All codes are two-letter codes.)

- A. jk
- B. by
- C. gh
- D. cf

Q68 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some bells are pots.
All pots are machines.

Conclusions:

(I): Some bells are machines.
(II): All machines are pots

- A. Only conclusion (II) follows
- B. Only conclusion (I) follows
- C. Neither conclusion (I) nor (II) follows
- D. Both conclusions (I) and (II) follow

Q69 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- A. UX-XD
- B. SV-WZ
- C. DG-HK
- D. FI-JM

Q70 General Intelligence & Reasoning

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

YCG-FJN
OSW-VZD

- A. GKO-NRV
- B. GJM-NRV
- C. GKO-MRU
- D. GJM-MQU

Q71 General Intelligence & Reasoning

If 'P' stands for 'x', 'Q' stands for '÷', 'R' stands for '-' and 'S' stands for '+', what will come in place of the question mark (?) in the following equation?

(9 Q 3) P 8 S (72 Q 12) P 7 R 15 P 3 = ?

- A. 21
- B. 39
- C. 12
- D. 44

Q72 General Intelligence & Reasoning

Refer to the given series and answer the question that follows. All numbers are single-digit numbers only. Counting to be done from left to right.

(Left) 3 8 1 5 7 2 9 4 6 3 7 2 8 1 5 9 4 6 8 2 7 3 9 1 6 (Right)

How many such even digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

- A. Three
- B. Two
- C. Four
- D. Five



Q73 General Intelligence & Reasoning

If 'A' stands for ' $\div$ ', 'B' stands for ' $\times$ ', 'C' stands for ' $+$ ' and 'D' stands for ' $-$ ', then what will come in place of the question mark (?) in the following equation?

$$99 \text{ A } 9 \text{ C } 12 \text{ B } 3 \text{ D } 7 = ?$$

A. 45

B. 40



C. 50

D. 35

Q74 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers only.)

(Left) 4 9 2 4 6 8 9 4 3 2 8 3 8 4 6 5 1 2 8 4 7 2 8 5 7 3 7 4 8
7 (Right)

How many 8's are there, each of which is immediately preceded by an even number and also immediately followed by an odd number?

A. Three

B. One

C. Two

D. More than three

**Q75 General Intelligence & Reasoning**

If 'P' stands for ' $\times$ ', 'Q' stands for ' $\div$ ', 'R' stands for ' $-$ ' and 'S' stands for ' $+$ ', what will come in place of the question mark (?) in the following equation?

$$14 \text{ P } 4 \text{ S } (16 \text{ Q } 4) \text{ P } 9 \text{ R } (60 \text{ Q } 6) \text{ P } 7 \text{ S } 20 = ?$$

A. 36

B. 42



C. 58

D. 65

Q76 General Intelligence & Reasoning

RIVK is related to BSFU in a certain way based on the English alphabetical order. In the same way, FWJY is related to PGTI. To which of the following options is JANC related, following the same logic?

A. TMXD

B. TXDE

C. TKXM



D. TMKI

Q77 General Intelligence & Reasoning

Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north.

No one sits to the left of C. Only four people sit between C and A. Only three people sit to the right of G. E sits to the immediate left of B. F is not an immediate neighbour of G. How many people sit to the right of D?

A. 3

B. 4

C. 1

D. 2

**Q78 General Intelligence & Reasoning**

In a certain code language,
'A $\pm$ B' means 'A is the wife of B',
'A * B' means 'A is the daughter of B',
'A ₹ B' means 'A is the father of B' and
'A # B' means 'A is the brother of B'.

How is D related to O if 'D * R $\pm$ A ₹ C # O'?

A. Wife

B. Mother

C. Daughter

D. Sister

**Q79 General Intelligence & Reasoning**

Refer to the following number series and answer the question that follows. Counting to be done from left to right. (All numbers are single-digit numbers only.)

(Left) 1 7 6 2 9 4 3 8 5 2 6 3 7 8 9 2 5 1 4 7 6 3 2 9 5 4 1 8
(Right)

How many such odd digits are there each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

A. One

B. Four

C. Three



D. Two



Q80 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. UYZ

B. HLM

C. ZEE



D. SWX

General Awareness

20 Questions • Answer Key

Q81 General Awareness

The sixth phase of the 'Jal Shakti Abhiyan: Catch the Rain 2025' was launched in which of the following Indian states?

A. Rajasthan

B. Bihar

C. Haryana



D. Uttarakhand

Q82 General Awareness

In May 2025, the RBI introduced a new Payments Regulatory Board of how many members to regulate and supervise payment systems in the country?

A. 8

B. 6



C. 4

D. 10

Q83 General Awareness

The revised roadmap released in June 2025 for the National Mission for Green India (GIM) places special emphasis on ecological restoration in which of the following critical regions?

A. Aravalli Range, Western Ghats, Himalayas, and mangroves



B. Thar Desert and Eastern Ghats

C. Central Indian Highlands and Sundarbans

D. Deccan Plateau and Andaman Islands

Q84 General Awareness

How many new medical seats were announced in the Union Budget 2025-26, to be added for the upcoming academic year i.e. 2025-26?

A. 4000

B. 2000

C. 10000



D. 6000

Q85 General Awareness

The 51st G7 Summit of 16-17 June 2025 took place in which Canadian location?

A. Toronto, Ontario

B. Montreal, Quebec

C. Kananaskis, Alberta



D. Vancouver, British Columbia

Q86 General Awareness

Which Indian javelin thrower won gold at the Taiwan Athletics Open in June 2025?

A. Neeraj Chopra

B. Rohit Yadav



C. Kishore Kumar

D. Davinder Singh Kang



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Q87 General Awareness

The second edition of the STAIRS Youth National Games began on May 19, 2025. In which stadium in New Delhi did this event commence?

- A. Thyagaraj Sports Complex
- B. Talkatora Stadium ✓
- C. Jawaharlal Nehru Stadium
- D. Indira Gandhi Arena

Q88 General Awareness

The National Red List Assessment Initiative, launched in India in October 2025, aligns with IUCN global standards and supports the country's commitments under which of the following international frameworks?

- A. Sendai Framework for Disaster Risk Reduction
- B. Ramsar Convention on Wetlands Framework
- C. Greenhouse Gas (GHG) Framework
- D. Kunming–Montreal Global Biodiversity Framework ✓

Q89 General Awareness

In January 2025, which of the following organisations partnered with Chennai's Metropolitan Transport Corporation (MTC) to launch 'RuPay on-the-go' for transit payments?

- A. Securities and Exchange Board of India (SEBI)
- B. Reserve Bank of India (RBI)
- C. National Payments Corporation of India (NPCI) ✓
- D. Indian Banks' Association (IBA)

Q90 General Awareness

Which of the following nutritional concerns are being highlighted in the food awareness campaign launched by the Ministry of Health and Family Welfare on the occasion of World Food Safety Day, 2025?

- A. Excess iron and protein
- B. High fibre and calcium
- C. Low vitamin C and zinc
- D. Hidden sugars, fats and oils ✓

Q91 General Awareness

Which author/translator pair won the International Booker Prize, 2025, for Heart Lamp?

- A. Margaret Atwood and Margaret Kiln
- B. David Szalay and Kiran Desai
- C. Banu Mushtaq and Deepa Bhasthi ✓
- D. Kiran Desai and David Milon

Q92 General Awareness

In March 2025, the Ministry of Environment Forest and Climate Change (MoEFCC) tightened emissions standards for which industry under the Environment (Protection) Second Amendment Rules, 2025?

- A. Dairy
- B. Cement
- C. Textile
- D. Caustic soda ✓

Q93 General Awareness

In which state was the hedging desk established in 2025 to protect cotton, turmeric and maize farmers?

- A. West Bengal
- B. Kerala
- C. Odisha
- D. Maharashtra ✓

Q94 General Awareness

What is the overdue limit for microfinance lending as per the Microfinance Industry Network directives, effective January 2025?

- A. ₹2,000
- B. ₹1,000
- C. ₹5,000
- D. ₹3,000 ✓

Q95 General Awareness

Where were the inaugural Beach Games, held under the Khelo India banner, conducted?

- A. Diu ✓
- B. Puducherry
- C. Andaman and Nicobar Islands
- D. Goa

Q96 General Awareness

Which prodigious ice-hockey talent was awarded the EJ McGuire Award of Excellence, highlighting character and athleticism, ahead of the 2025 NHL Draft?

- A. Ivan Miroshnichenko
- B. Connor Bedard
- C. Michael Misa ✓
- D. Matvei Michkov



Q97 General Awareness

In late November 2025, which cyclonic storm prompted the IMD to issue warnings for north Tamil Nadu, Puducherry, and adjoining south Andhra Pradesh, and made landfall around 30 November 2025?

A. Cyclone Ditwah



B. Cyclone Shakhti

C. Cyclone Senyar

D. Cyclone Montha

Q98 General Awareness

Which organization licensed nine breakthrough health technologies to industry partners at the India MedTech Expo in September 2025?

A. ICMR



B. WHO

C. NITI Aayog

D. ISRO

Q99 General Awareness

The 3rd edition of the International Conference organized by the Indian Council of Arbitration (ICA) in June 2025 emphasized "Hybrid Dispute Resolution Models" in commercial conflicts between which countries?

A. India and Australia

B. India and USA

C. India and Japan

D. India and UK

**Q100 General Awareness**

In the year 2025, on which date was Army Day observed in India?

A. 20 January

B. 13 January

C. 15 January



D. 23 January



General Science

25 Questions • Answer Key

Q1 General Science

Select the option that is true regarding the following two statements labelled Assertion (A) and Reason (R).

Assertion (A): Soap solution appears cloudy.

Reason (R): The soap micelles are large enough to scatter light.

A. Both A and R are true, and R is the correct explanation of A. ✓

B. A is false, but R is true.

C. A is true, but R is false.

D. Both A and R are true, and R is not the correct explanation of A.

Q2 General Science

A neuron receives nerve impulse from another neuron through ____.

A. Dendrite ✓

B. Synapse

C. Axon

D. Cell body

Q3 General Science

Which of the following is true for the plants raised by vegetative propagation?

Statement A: Vegetatively propagated plant can bear flowers and fruits earlier than those produced from seeds.

Statement B: Vegetatively propagated plants are genetically dissimilar to the parent plant.

A. Both Statement A and statement B is incorrect

B. Both Statement A and statement B is correct

C. Statement A is correct but statement B is incorrect ✓

D. Statement A is incorrect but statement B is correct

Q4 General Science

Which meristem is located near the nodes in some plants?

A. Apical meristem

B. Root meristem

C. Intercalary meristem ✓

D. Lateral meristem

Q5 General Science

Which of the following statements about 'Law of conservation of mass' is correct?

A) Mass can be changed when the reaction takes place.

B) During the chemical reaction, atoms are rearranged.

C) Mass within a closed system remains the same over time.

A. Only A

B. only B and C ✓

C. Only A and B

D. Only B

Q6 General Science

Which of the following outcomes identifies meiosis rather than mitosis?

A. Four cells, half number ✓

B. One larger cell, double number

C. Two identical cells, same number

D. Many cells, same number

Q7 General Science

Which of the following is an example of judicious use of natural resources?

A. Deforestation

B. Excessive use of fossil fuels

C. Open mining

D. Rainwater harvesting ✓

Q8 General Science

The magnification (m) produced by a lens is defined as the ratio of _____.

A. the object height to the image height

B. the object distance to the image distance

C. the image height to the object height ✓

D. the focal length to the object distance



Q9 General Science

Which of the following steps can increase the expected yield of a crop?

- A. Irrigation at terminal stage of crop.
- B. Irrigation at early stages of crop.
- C. Irrigation at every stage of crop.
- D. Irrigation at right stage of crop. ✓

Q10 General Science

What is the colour of the precipitate formed when silver nitrate reacts with sodium chloride?

- A. Green
- B. Yellow
- C. White ✓
- D. Blue

Q11 General Science

When an object is placed between the pole (P) and the focus (F) of a concave mirror, what kind of image is formed?

- A. Real, inverted, and enlarged
- B. Virtual, erect, and enlarged ✓
- C. Virtual, inverted, and diminished
- D. Real, inverted, and diminished

Q12 General Science

In which device is the heating effect of current used to melt a metal?

- A. Electric fan
- B. Electric bell
- C. Electric bulb
- D. Electric fuse ✓

Q13 General Science

Which of the following is a practical application of Archimedes' Principle in daily life?

- A. Using a prism for light dispersion
- B. Design of ships and submarines ✓
- C. Operating a pendulum
- D. Using a thermometer

Q14 General Science

Which of the following is a ring-chain hydrocarbon?

- A. Benzene ✓
- B. Heptyne
- C. Ethene
- D. Propane

Q15 General Science

The motion of a freely falling stone is an example of:

- A. non-uniform motion ✓
- B. uniform motion
- C. rectilinear motion with constant speed
- D. motion with zero acceleration

Q16 General Science

A tube that grows out of the pollen grain travels through the style to reach which of the following parts of the flower?

- A. Petal
- B. Ovary ✓
- C. Filament
- D. Sepal

Q17 General Science

Why are the ceilings of places like concert halls and cinema halls usually made curved?

- A. To make the hall look more attractive
- B. To block the sound from reflecting
- C. To reduce the size of the building
- D. To help sound reflect and reach all parts of the hall ✓

Q18 General Science

A block of mass M is subjected to two opposing forces F_1 and F_2 ($F_1 > F_2$). If the frictional force (F_f) acting opposite to F_1 is such that the net acceleration of the block is half the acceleration it would have experienced if friction were zero, what is the relation for F_f ?

- A. $F_f = (F_1 - F_2)/2$ ✓
- B. $F_f = 2(F_1 - F_2)$
- C. $F_f = (F_1 + F_2)/2$
- D. $F_f = (F_1 - F_2)$



Q19 General Science

What is the formula of washing soda?

- A. NaOH
- B. Na_2CO_3
- C. $\text{Na}_2\text{CO}_3 \cdot 10\text{H}_2\text{O}$ ✓
- D. NaHCO_3

Q20 General Science

A straight conductor is carrying current in the +x-direction, this conductor is placed in a magnetic field pointing in the +y-direction. What will be the direction of motion of the conductor?

- A. positive x direction
- B. positive z direction ✓
- C. negative y direction
- D. negative x direction

Q21 General Science

Which of the following is a basic requirement for maintaining good reproductive health?

- A. Safe sex practices and awareness about contraception ✓
- B. Ignoring changes during adolescence
- C. Avoiding all medicines
- D. Sharing personal hygiene products

Q22 General Science

The principle of conservation of energy is applicable to _____.

- A. every electrical system exclusively
- B. every chemical system only
- C. every physical process in general ✓
- D. every mechanical system only

Q23 General Science

Which statement from the following correctly defines the law of constant proportions?

- A. The mass of a compound is always greater than the sum of its elements.
- B. A compound always contains elements in a fixed ratio by mass. ✓
- C. Elements combined in random ratios to form compounds.
- D. Compounds can vary their composition based on temperature.

Q24 General Science

Which of the following are the most reactive and the least reactive metals, respectively, in a reactivity series?

- A. Magnesium, Gold
- B. Potassium, Gold ✓
- C. Sodium, Gold
- D. Magnesium, Silver

Q25 General Science

Which of the following statements is/are correct in the context of a mixture and a compound?

- A) A mixture has a variable composition while in a compound, the composition of each new substance is always fixed.
- B) A mixture shows the different properties of the constituent substance while in a compound, the new substance shows the same properties.
- C) A mixture has a non-variable composition while in a compound, the composition of each new substance is always changing.

- A. Only A ✓
- B. Only B
- C. Both A and B
- D. Only C

Mathematics

25 Questions • Answer Key

Q26 Mathematics

The number of prime numbers between 358 and 368 is:

- A. 3
- B. 4
- C. 2 ✓
- D. 1



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Q27 Mathematics

Two pipes can fill a cistern, individually, in 99 min and 36 min, respectively. There is a pipe located at the bottom of the cistern to empty it. If all the three pipes are opened simultaneously, then the empty cistern gets filled in 44 min. How long will the pipe at the bottom of the tank take to empty the completely filled cistern if no other pipe is then open?

A. 66 min



B. 44 min

C. 93 min

D. 37 min

Q28 Mathematics

Evaluate $2\cot^2 45^\circ + 3\sec^2 30^\circ - 4\sin^2 30^\circ$.

A. 6

B. 5



C. 7

D. 8

Q29 Mathematics

If the height of a triangle is increased by 20% and its base is decreased by 15%, then what will be the percentage change in its area?

A. Decrease by 3%

B. Increase by 3%

C. Decrease by 2%

D. Increase by 2%

**Q30 Mathematics**

The cost of a washing machine is 25% less than the cost of a TV. If the cost of the washing machine increases by 88% and that of the TV decreases by 57%, then what is the percentage change in the total cost of 6 washing machines and 3 TVs?

A. Increase by 30%



B. Increase by 36%

C. Decrease by 31%

D. Decrease by 23%

Q31 Mathematics

One pipe can fill a tank in 3 minutes, while another pipe can empty the completely filled tank in 6 minutes. If both the pipes are opened together when the tank is empty, how many minutes will it take to fill one-half of the tank?

A. 6

B. 4

C. 3



D. 7

Q32 Mathematics

A man bought goods worth ₹8,000 and sold half of them at a gain of 10%. At what gain percentage must he sell the remaining goods so as to gain 20% on the whole?

A. 28%

B. 32%

C. 30%



D. 25%

Q33 Mathematics

In quadrilateral PQRS, the bisectors of $\angle R$ and $\angle S$ meet at the point T (inside the quadrilateral) and $\angle STR = 25.5^\circ$. If the ratio of $\angle P$ to $\angle Q$ is 8 : 9, then what is the difference between the measures of $\angle Q$ and $\angle P$?

A. 5°

B. 3°



C. 1°

D. 6°

Q34 Mathematics

The volume (in m^3) of a cube with edges of 41 m, is:

A. 68987

B. 69087

C. 68753

D. 68921

**Q35 Mathematics**

The amount on a sum of ₹8,300 at 10% per annum compound interest, compounded annually, in 2 years will be:

A. ₹10,479

B. ₹10,043



C. ₹10,985

D. ₹9,983



Q36 Mathematics

A person saves 20% of his income. If his expenditure is ₹320, then his income (in ₹) is:

- A. 440
- B. 400
- C. 64
- D. 256

**Q37 Mathematics**

The perimeter of a square is 68 m. What is the length (in m) of one side?

- A. 17
- B. 16
- C. 15
- D. 18

**Q38 Mathematics**

Laxmi, Dhruv and Gauri started a business in partnership investing in the ratio of 13:6:12, respectively. At the end of the year, they earned a profit of ₹37,200, which is 75% of their total investment. How much did Dhruv invest (in ₹)?

- A. 9,766
- B. 9,692
- C. 9,600
- D. 9,336

**Q39 Mathematics**

The Rajdhani Express and Garib Rath Express run in the same direction with speeds of 114 km/hr and 60 km/hr, respectively, and their lengths are the same. What is the length of the Rajdhani Express if it completely crosses the Garib Rath express in 144 seconds?

- A. 1078 m
- B. 1070 m
- C. 1080 m
- D. 1084 m

**Q40 Mathematics**

If the marked price of a bedcover is 80% more than its cost price and a discount of 35% is announced on it, then find the profit percentage.

- A. 15%
- B. 16%
- C. 19%
- D. 17%

**Q41 Mathematics**

A car travels 158 km in the first hour and 110 km in the second hour. What is the average speed (in km/hr) of the car for the whole journey?

- A. 137
- B. 134
- C. 127
- D. 141

**Q42 Mathematics**

A salesman marks his goods 10% above the cost price and gives a discount of 80% on them. Find his loss percentage.

- A. 77%
- B. 79%
- C. 70%
- D. 78%

**Q43 Mathematics**

Chetan bought 52 books for ₹1,120 from one shop and 47 books for ₹905 from another. What is the average price (in ₹, rounded off to two decimal places) he paid per book?

- A. 20.45
- B. 22.45
- C. 21.45
- D. 23.45

**Q44 Mathematics**

The mode and median of a data are 70.2 and 58, respectively. What is the mean of the data? (Use empirical formula.)

- A. 48.2
- B. 45.5
- C. 59.4
- D. 51.9



Q45 Mathematics

If 10% of 40% of $\frac{1}{3}$ of a number is 512, find the number.

A. 40870

B. 38610

C. 37410

D. 38400

**Q46** Mathematics

Three numbers are in the ratio $\frac{4}{10} : \frac{20}{18} : \frac{20}{11}$. The difference between the greatest and the smallest numbers is 39. Find the largest number.

A. 50



B. 51

C. 49

D. 48

Q47 Mathematics

If $\sqrt{x} + \frac{1}{\sqrt{x}} = 5$, find $x + \frac{1}{x}$.

A. 15

B. 32

C. 25

D. 23

**Q48** Mathematics

Simplify the expression $\frac{(49)^n \times 7}{7^{2n}}$. If n is a positive integer, what is the result in terms of powers of 7?

A. 7^1



B. 7^{2n+1}

C. 7^0

D. 7^n

Q49 Mathematics

The sum of the present ages of a father and his two sons is 72 years. If the father's age is twice the age of the elder son, and the age of the younger son is 8 years less than the age of the elder son, find the age of the father.

A. 42 years

B. 40 years



C. 35 years

D. 39 years



Q50 Mathematics

Simplify: $\frac{(0.45)^3 + (0.2)^3}{(0.45)^2 - 0.45 \times 0.2 + (0.2)^2}$

A. $\frac{13}{20}$



B. $\frac{65}{10}$

C. $\frac{43}{100}$

D. $\frac{1}{4}$

General Intelligence & Reasoning

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

Six people, A, B, C, D, E and F, are sitting in a row, facing north. Only two people sit to the left of A. Only one person sits between B and C. F sits to the immediate left of A. B sits to the immediate right of E. C sits third to the right of D. Who sits at the extreme left end of the line?

A. C

B. D



C. A

D. E

Q52 General Intelligence & Reasoning

In a certain code language,
'A + B' means 'A is the son of B',
'A - B' means 'A is the mother of B',
'A × B' means 'A is the brother of B' and
'A ÷ B' means 'A is the father of B'.

How is M related to S if 'M + N ÷ O × P - S'?

A. Mother's brother



B. Daughter's son

C. Brother's son

D. Father's brother

Q53 General Intelligence & Reasoning

In a certain code language, "OXGP" is coded as "62" and "DSNL" is coded as "75". What is the code for "VBQT" in that language?

A. 61

B. 63



C. 68

D. 70

Q54 General Intelligence & Reasoning

Each of the digits in the number 12568436 is arranged in ascending order from left to right. What will be the sum of the digits that are third from the left and third from the right in the new number thus formed?

A. 12

B. 9



C. 11

D. 10

Q55 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

508 518 529 541 554 ?

A. 568



B. 562

C. 566

D. 564

Q56 General Intelligence & Reasoning

A, B, C, D, E, F and G are sitting in a straight line facing North. No one sits to the right of B. Only three people sit between B and G. Only two people sit between G and D. A sits third to the left of C. F sits to the immediate right of C. How many people sit to the left of E?

A. 2

B. 4

C. 3

D. 1



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Q57 General Intelligence & Reasoning

Refer to the following series and answer the question (all numbers are single digit numbers only).

(Left) 7 2 4 5 9 1 6 3 8 7 4 2 6 1 5 9 3 7 4 8 2 1 (Right)

How many unique digits in the series are both odd and greater than 5 (each digit counted only once, regardless of repetitions)?

- A. Three
- B. One
- C. None
- D. Two

**Q58 General Intelligence & Reasoning**

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

HLE23, JJH21, LHK19, NFN17, ?

- A. PEQ18
- B. PEP15
- C. PDP18
- D. PDQ15

**Q59 General Intelligence & Reasoning**

In a certain code language, 'drinking is dangerous' is coded as 'cd pk os', 'avoid dangerous habit' is coded as 'os mp ls' and 'please avoid drinking' is coded as 'rk pk mp'. How is 'dangerous' coded in that language?

- A. mp
- B. ls
- C. rk
- D. os

**Q60 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

91 78 65 52 39 ?

- A. 24
- B. 28
- C. 26
- D. 30

**Q61 General Intelligence & Reasoning**

In the following triad, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

SANK - NSAK - KNAS
KITE - TKIE - ETIK

- A. ZONE - NZOE - ONEZ
- B. DOLE - DLOE - ELOD
- C. FIRM - RFIM - MRIF
- D. SWAT - WSAT - TWAS

**Q62 General Intelligence & Reasoning**

Omkar starts from Point Y and drives 29 km towards the south. He then takes a left turn, drives 75 km, turns right and drives 33 km. He then takes a right turn and drives 37 km. He takes a right turn, drives 62 km to stop at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again? (All turns are 90-degree turns only unless specified.)

- A. 41 km towards the west
- B. 38 km towards the west
- C. 36 km towards the east
- D. 37 km towards the east

**Q63 General Intelligence & Reasoning**

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

LNP-MOQ
MOQ-NPR

- A. RST-RTV
- B. RTV-RUV
- C. RST-SUW
- D. RTV-SUW

**Q64 General Intelligence & Reasoning**

RPMZ is related to WURT in a certain way. In the same way, LIGM is related to QNLG. To which of the given options is NKHN related, following the same logic?

- A. SPMH
- B. SQMG
- C. RQNH
- D. RPNG



Q65 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

DEU7 VWM24 NOE41 FGW58 ?

A. XS075

B. XY075



C. XYF75

D. PY075

Q66 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(13.3, 12.5, 11.8)
(45.6, 44.8, 44.1)

A. (69.5, 68.7, 68.6)

B. (39.4, 38.6, 37.8)

C. (71.7, 70.9, 70.1)

D. (27.9, 27.1, 26.4)

**Q67 General Intelligence & Reasoning**

Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers.)

(Left) 5 * 1 & 1 6 \$ © * 3 8 # © € 1 & © 1 © 8 % 4 (Right)

How many such numbers are there each of which is immediately preceded by a number and also immediately followed by a symbol?

A. 4

B. 2



C. 5

D. 1

Q68 General Intelligence & Reasoning

Seven people, J, K, L, M, N, O and P are sitting in a straight row, facing north. Only two people sit to the right of O. Only three people sit between N and O. P sits second to the left of J. P is not an immediate neighbour of N. L sits to the immediate left of M. Who sits at the extreme right end of the line?

A. J

B. K



C. M

D. P

Q69 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All wheels are cars.

All wheels are buses.

All buses are trucks.

Conclusions:

(I) All wheels are trucks.

(II) Some buses are cars.

A. Only conclusion (II) follows.

B. Both conclusions (I) and (II) follow.



C. Only conclusion (I) follows.

D. Neither conclusion (I) nor (II) follows.

Q70 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. KN - GJ

B. LO - HL



C. HK - DG

D. NQ - JM



Q71 General Intelligence & Reasoning

What should come in place of ? in the given series?
2 3 6 15 42 ?

A. 124

B. 123



C. 122

D. 125

Q72 General Intelligence & Reasoning

What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$8 \div 2 + 15 \times 5 - 8 = ? + 5$$

A. 26



B. 22

C. 28

D. 24

Q73 General Intelligence & Reasoning

In a row of 42 people facing north, Kunal is 11th from the left end. If Riya sits 5th to the right of Kunal, what is Riya's position from the right end of the line?

A. 27th



B. 26th

C. 24th

D. 25th

Q74 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

No Pianos are Guitars.

Some Guitars are Violins.

All Violins are Drums.

Conclusions:

(I) No Pianos are Violins.

(II) Some Guitars are Drums.

A. Both conclusions (I) and (II) are true

B. Only conclusion (I) is true

C. Neither conclusion (I) nor (II) is true

D. Only conclusion (II) is true

**Q75 General Intelligence & Reasoning**

What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$70 - 45 \times 5 - 40 \div 4 + 48 = ?$$

A. 211

B. 153

C. 191



D. 172

Q76 General Intelligence & Reasoning

This question is based on the five, three-digit numbers given below.

(Left) 745 329 157 278 381 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

NOTE - All operations to be done from left to right.

What will be the resultant if the third digit of the highest number is added to the second digit of the lowest number?

A. 10



B. 8

C. 6

D. 9

Q77 General Intelligence & Reasoning

In a row of 52 students facing North, Roshan is 6th from the left end. If Disha is 29th to the right of Roshan, what is Disha's position from the right end of the row?

A. 18th



B. 16th

C. 15th

D. 17th



Q78 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 2 7 4 7 7 3 3 3 1 4 8 9 8 8 2 8 5 6 7 9 7 1 3 3 1 6 2
(Right)

How many such odd numbers are there, each of which is immediately preceded by an even number and also immediately followed by an even number?

A. 5

B. 4

C. 2

D. 3

**Q79 General Intelligence & Reasoning**

Town T is to the north of Town R. Town S is to the south of Town Q. Town R is to the south of Town P. Town Q is to the south of Town R. What is the position of Town Q with respect to Town P?

A. West

B. East

C. South



D. North

Q80 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. NR-OV



B. HL-JN

C. MQ-OS

D. TX-VZ

General Awareness

20 Questions • Answer Key

Q81 General Awareness

What is the primary purpose of the PathGenie software developed by the Ministry of Science and Technology in 2025?

A. To support vaccine production planning

B. To accelerate the process of drug discovery



C. To analyze medical imaging data

D. To manage large-scale clinical trial databases

Q82 General Awareness

Under what theme is the 'Swachhata Hi Seva' campaign, in alignment with the Government of India's vision of a clean and garbage-free India, being observed in 2025?

A. Swachhata Abhiyan 2.0

B. Swachhotsav



C. Clean India Green India

D. Swachh Survekshan

Q83 General Awareness

In 2025, India suspended which of the following bilateral agreements related to water sharing with Pakistan?

A. Shimla

B. Tashkent

C. Ganga

D. Indus

**Q84 General Awareness**

Which of the following countries hosted the 8th International Solar Alliance Assembly in October 2025?

A. France

B. India



C. Bhutan

D. Australia



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Q85 General Awareness

Who won the 2025 Norway Chess Open tournament?

- A. Fabiano Caruana
- B. Gukesh Dommaraju
- C. Hikaru Nakamura
- D. Magnus Carlsen

**Q86 General Awareness**

In 2025, according to the Supreme Court, the average waiting period for adopting an infant or young child in India under the legal framework is significant, leading some parents to consider illegal adoptions. What is the approximate average waiting period cited by the Court?

- A. 3.5 years
- B. 1.5 years
- C. 4.5 years
- D. 2.5 years

**Q87 General Awareness**

World Health Day, observed every year to draw attention to a major global health topic, falls on which of the following dates?

- A. 7 April
- B. 1 December
- C. 24 October
- D. 8 March

**Q88 General Awareness**

In 2025, the Government of India consolidated 29 labour laws into how many labour codes to simplify labour regulations?

- A. 6
- B. 8
- C. 4
- D. 2

**Q89 General Awareness**

Who won the Japanese Grand Prix, 2025?

- A. Lando Norris
- B. Oscar Piastri
- C. Max Verstappen
- D. Fabio Di Giannantonio

**Q90 General Awareness**

In April 2025, India voted in favour of the International Maritime Organisation (IMO's) global carbon pricing system for which of the following sectors?

- A. Aviation
- B. Road transport
- C. Maritime shipping
- D. Railways

**Q91 General Awareness**

In August 2025, the Indian National Space Promotion and Authorisation Centre (IN-SPACe) selected which of the following consortia to develop India's first indigenous commercial Earth-Observation satellite constellation?

- A. Hindustan Aeronautics Limited, Bharat Electronics Limited and NewSpace India Limited Consortium
- B. PixxelSpace India Private Limited, Dhruva Space Private Limited and SatSure Analytics India Private Limited Consortium
- C. Skyroot Aerospace Private Limited, Agnikul Cosmos Private Limited and Bellatrix Aerospace Private Limited Consortium
- D. Ananth Technologies Limited, Astrome Technologies Private Limited and Bharti Space Technologies Limited Consortium

**Q92 General Awareness**

What was the theme for National Girl Child Day 2025 celebrated in January?

- A. Empowering Girls for a Better Future
- B. Empowering Girls to Make them Independent
- C. Empowering Girls for a Better Nation
- D. Empowering Girls for a Bright Future

**Q93 General Awareness**

Who gave assent to the Waqf (Amendment) Bill, 2025, making it a law?

- A. Chief Justice of India
- B. Vice President of India
- C. Prime Minister of India
- D. President of India



Q94 General Awareness

According to the North Eastern Region Sustainable Development Goals Index Report, 2023-24, released in July 2025, which district secured the highest score at 81.43 points?

- A. Udalguri
- B. Dimapur
- C. Hnahthial
- D. Dibrugarh

**Q95 General Awareness**

Which of the following authorities in India issued new directives aimed at regulating asbestos exposure and its disposal in October 2025?

- A. High Court of Delhi
- B. National Green Tribunal (NGT)
- C. Supreme Court of India
- D. Central Pollution Control Board (CPCB)

**Q96 General Awareness**

Which of the following banks revised Priority Sector Lending (PSL) guidelines for Small Finance Banks from FY 2025-26, reducing the PSL target to 60% of Adjusted Net Bank Credit (ANBC) or Credit Equivalent of Off-Balance Sheet Exposure (CEOE), whichever is higher?

- A. State Bank of India
- B. Bank of Baroda
- C. Punjab National Bank
- D. Reserve Bank of India

**Q97 General Awareness**

Which organisation launched the BHARATPOL portal to enhance real-time information sharing for Indian law enforcement agencies in January 2025?

- A. Research and Analysis Wing (RAW)
- B. Intelligence Bureau (IB)
- C. National Investigation Agency (NIA)
- D. Central Bureau of Investigation (CBI)

**Q98 General Awareness**

Vithya Ramraj shares India's 400 m hurdles national record with which legendary Indian athlete as of 2025?

- A. Shiny Wilson
- B. PT Usha
- C. Hima Das
- D. Kamaljeet Sandhu

**Q99 General Awareness**

Which of the following was announced in the Union Budget 2025-26 (presented on 1 February 2025) to boost value-addition and marketing for a regional crop in Bihar?

- A. Central Rice Milling Corporation
- B. Establishment of a Makhana Board
- C. A dedicated Potato Export Authority
- D. National Pulses Development Fund

**Q100 General Awareness**

In 2025, at the World Cup staged in Foz Do Iguacu, Brazil, which Indian boxer earned a gold medal in the 70kg division due to an opponent's withdrawal?

- A. Vikas Krishan
- B. Hitesh Gulia
- C. Vijendra Singh
- D. Shiva Thapa



General Science

25 Questions • Answer Key

Q1 General Science

Which statement best defines the term 'formula unit mass' as used in the context of ionic compounds?

- A. It is the product of the atomic masses of all elements in a compound.
- B. It is the sum of the atomic masses of all atoms present in a formula unit of an ionic compound. ✓
- C. It is the total number of atoms in a molecule of a covalent compound.
- D. It is the mass of one mole of a molecular compound.

Q2 General Science

Materials that have NOT been broken down by the action of bacteria or saprophytes, but somehow degraded by physical processes, are called:

- A. Dividable
- B. Non-biodegradable ✓
- C. Decaying
- D. Biodegradable

Q3 General Science

Which of the following metals can be shaped into leaves by pressure of the fingers?

- A. Gold
- B. Sodium ✓
- C. Iron
- D. Silver

Q4 General Science

Evaporation takes place at which temperature?

- A. Only at 100°C
- B. At any temperature ✓
- C. Only at boiling point
- D. Only below freezing point

Q5 General Science

In a fluid, the buoyant force acting on a submerged or floating object always acts _____.

- A. vertically downward
- B. vertically upward ✓
- C. along the direction of motion of the object
- D. in a direction depending on the shape of the object

Q6 General Science

Which of the following is NOT made up of connective tissue?

- A. Muscles ✓
- B. Bone
- C. Blood
- D. Cartilage

Q7 General Science

Which of the following is NOT an example of work done?

- A. Pulling a trolley along a flat surface
- B. Sliding luggage on the floor
- C. Pushing a wall ✓
- D. Lifting a brick from the floor

Q8 General Science

Refer to the two statements given below and select the correct option.

Statement A: Carboxylic acids are strong acids that completely ionise in water.
Statement B: Ethanoic acid is a weak acid compared to hydrochloric acid.

- A. Statement A is correct but B is incorrect.
- B. Both statements A and B are incorrect.
- C. Statement A is incorrect but B is correct. ✓
- D. Both statements A and B are correct.



Q9 General Science

What is the term used for the division of cytoplasm following nuclear division?

- A. Karyokinesis
- B. Cytokinesis ✓
- C. Interphase
- D. Chromatin condensation

Q10 General Science

According to the sign convention for spherical mirrors, which option is correct about the focal length of a concave mirror?

- A. Sometimes negative
- B. Always positive
- C. Always negative ✓
- D. Sometimes positive

Q11 General Science

Consider the following statements regarding the characteristics of compounds and select the correct option.

Statement 1: Elements react to form new compounds.
Statement 2: Each new substance formed is of variable composition.
Statement 3: The constituents can be separated only by chemical or electrochemical reactions.

- A. Only statements 1 and 3 are correct. ✓
- B. Only statements 1 and 2 are correct.
- C. Statements 1, 2 and 3 are correct.
- D. Statements 1, 2 and 3 are incorrect.

Q12 General Science

In daily life, the principle of force on a current-carrying conductor is used in which of the following devices?

- A. Electric heater
- B. Electric fuse
- C. Electric bell
- D. Electric motor ✓

Q13 General Science

In terms of chromosome contribution, which of the following is correct?

- A. Both parents contribute either X or Y
- B. Mother can contribute X or Y
- C. Mother always contributes X, father contributes X or Y ✓
- D. Father contributes only X chromosome

Q14 General Science

Which of the following sound frequencies is inaudible to humans?

- A. 2000 Hz
- B. 5000 Hz
- C. 25,000 Hz ✓
- D. 50 Hz

Q15 General Science

What happens to the uterine lining in human females if the egg is not fertilized?

- A. It breaks down and is discharged as blood and mucus. ✓
- B. It is reabsorbed into the body.
- C. It thickens further for another week.
- D. It remains intact for the next cycle.

Q16 General Science

When two bodies interact, the action and reaction forces

- A. act on different bodies ✓
- B. produce the same effect on both bodies
- C. act on the same body
- D. act in the same direction

Q17 General Science

What is the geometric relationship between the principal axis and the reflecting surface of a spherical mirror at the point of the pole P?

- A. The principal axis intersects the mirror at an oblique angle.
- B. The principal axis is parallel to the mirror surface.
- C. The principal axis is tangent to the mirror surface.
- D. The principal axis is normal (perpendicular) to the mirror at its pole. ✓



Q18 General Science

Corrosion causes damage to the metal body, especially:

- A. in both dry air and oil
- B. in moist air ✓
- C. by galvanisation
- D. in dry air

Q19 General Science

An electric heater draws 5 A of current when connected to a 70 V source. If the potential difference is increased to 126 V, what will be the new current drawn by the heater?

- A. 3 A
- B. 9 A ✓
- C. 8 A
- D. 90 A

Q20 General Science

Which of the following is NOT an example of the third law of motion?

- A. Foot pushes the ground backward and ground pushes the foot forward.
- B. A rocket moving upward due to gases expelled downward.
- C. The swimmer pushes the water backward with her hands.
- D. Pushing a stationary car and making it move. ✓

Q21 General Science

If a fertilised egg reaches the uterus but finds the lining thin and not spongy, what could happen?

- A. The egg survives longer than usual.
- B. The egg gets fertilised again.
- C. Menstruation is delayed but still occurs.
- D. The embryo fails to implant properly and is expelled. ✓

Q22 General Science

In mitosis, how do the chromosomes in daughter cells compare with those in the parent cell?

- A. Daughter cells have half the number of chromosomes as the parent cell.
- B. Daughter cells contain twice the number of chromosomes as the parent cell.
- C. Daughter cells have the same number of chromosomes as the parent cell. ✓
- D. Daughter cells lose all chromosomes during division.

Q23 General Science

_____ generally has long, unstable carbon chains.

- A. Water
- B. Vegetable oil ✓
- C. Table salt
- D. Glucose

Q24 General Science

In India, biodiversity hotspots are primarily located in _____.

- A. the Western Ghats and Eastern Himalayas ✓
- B. Central India and the Deccan Plateau
- C. the Mediterranean, Sardinia and Sicily
- D. the Cold desert of Ladakh

Q25 General Science

The maximum number of electrons in a shell is given by:

- A. $2n^2$ ✓
- B. $2n$
- C. $\frac{n^2}{2}$
- D. n^2



Q26 Mathematics

₹10,896 is divided among A, B and C in such a way that if ₹91, ₹4 and ₹57 are deducted from their respective shares, they have money in the ratio 3:8:6. Find the difference between B's and C's original shares.

A. ₹1,414

B. ₹1,211 

C. ₹1,164

D. ₹1,364

Q27 Mathematics

The mode and median of a data is 72.8 and 31, respectively. What is the mean of the data? (Use empirical formula)

A. 15.8

B. 5.8

C. 10.1 

D. 7.2

Q28 Mathematics

What is the mode of the following data?

75, 70, 80, 70, 80, 71, 80, 66, 87, 82, 68, 73, 80, 75, 66, 64, 66, 87, 90, 68, 89, 82, 81, 81, 65, 81, 80

A. 75

B. 70

C. 80 

D. 90

Q29 Mathematics

6336 is divisible by 9. What should be added to or subtracted from this number so that it will be divisible by 11?

A. 0 

B. -1

C. 1

D. 3

Q30 Mathematics

A bus travels 240 km in 6 hours. If it travels at the same speed, how far will it travel in 4.5 hours?

A. 180 km 

B. 140 km

C. 160 km

D. 175 km

Q31 Mathematics

A, B, and C can do a piece of work in 3, 3, and 12 days respectively. How long (in days) will they take to do thrice the same work, working together?

A. 5

B. 8

C. 12

D. 4 **Q32 Mathematics**

Find the ratio between the fourth proportional of 10, 15 and 18 to the mean proportional of 9 and 4.

A. 9:2 

B. 10:5

C. 12:9

D. 7:4

Q33 Mathematics

Successive discounts of 16% and 22% are equivalent to what single discount?

A. 31.71%

B. 34.48% 

C. 34.23%

D. 36.95%

Q34 Mathematics

The ratio of income to expenditure of a person is 8:5. What percentage of his income is his saving?

A. 37.5% 

B. 25.4%

C. 31.3%

D. 20.8%



Q35 Mathematics

A dealer purchased an oven for ₹651. After allowing a discount of 86% on its marked price, he still gains 68%. Find the marked price of the oven.

A. ₹7,940

B. ₹7,978

C. ₹7,812

D. ₹7,740

Q36 Mathematics

A solid metallic cylinder of radius 5 cm and height 12 cm is melted and recast into smaller solid cylinders each of radius 2 cm and height 3 cm. Find the ratio of the total surface area of one small cylinder to the total surface area of the original cylinder.

A. 2 : 17

B. 1 : 7

C. 1 : 8

D. 2 : 15

Q37 Mathematics

The amount on a sum of ₹7,500 at 16% per annum compound interest, compounded annually, in 2 years will be:

A. ₹10,092

B. ₹10,861

C. ₹9,117

D. ₹10,160

Q38 Mathematics

A boy bought 4 long and 5 short notebooks for ₹305. If the difference in prices of the long and short notebooks is ₹20, then find the price (in ₹) of each long and short notebook, respectively.

A. 62; 42

B. 39; 19

C. 45; 25

D. 44.50; 24.50

Q39 Mathematics

Sarah's age is 5 years more than twice her sister Emma's age. If the sum of their ages is 29 years, how old is Emma?

A. 7 years

B. 8 years

C. 5 years

D. 6 years

Q40 Mathematics

A man buys 9 identical articles for a total of ₹16. If he sells each of them for ₹2, then his profit percentage will be ____%.

A. 12.5

B. 12.11

C. 11.11

D. 13.5

Q41 Mathematics

The cost of a washing machine is 25% less than the cost of a TV. If the cost of the washing machine increases by 30% and that of the TV decreases by 19%, then what is the percentage change in the total cost of 8 washing machines and 4 TVs?

A. Decrease by 13%

B. Increase by 11.2%

C. Decrease by 6%

D. Increase by 10.4%

Q42 Mathematics

Which is the greatest number that divides 47, 59 and 74 to leave the same remainder?

A. 7

B. 2

C. 3

D. 5

Q43 Mathematics

In $\triangle ABC$, $BD \perp AC$ at D and $\angle DBC = 76^\circ$. E is a point on BC such that $\angle CAE = 53^\circ$. What is the measure of $\angle AEB$?

A. 53° B. 78° C. 67° D. 55° **Q44 Mathematics**

If six cubes of 10 cm edge are joined end to end, the surface area (in cm^2) of the resulting solid will be:

A. 2350

B. 1300

C. 2600

D. 3900



Q45 Mathematics

Two pipes, A and B, can fill a tank in 30 minutes and 45 minutes, respectively, while a third pipe, C, can empty the tank in 24 minutes. Pipes A and B are opened together, and after 6 minutes, pipe C is also opened. What will be the total time required to fill the tank?

A. 51 minutes

B. 54 minutes ☒

C. 57 minutes

D. 48 minutes

Q46 Mathematics

A pendulum makes an angle of swing A (in degrees), such that $\sin A = 1/2$. Find the value of $\sin 3A$.

A. $\frac{3}{2}$

B. 1 ☒

C. $\frac{1}{2}$

D. $\frac{5}{8}$

Q47 Mathematics

Walking at $\frac{5}{6}$ th of his normal speed from his home, Shahid is 25 minutes late in reaching his office.

The usual time taken by him to cover the distance between his home and his office is:

A. 119 minutes

B. 125 minutes ☒

C. 128 minutes

D. 118 minutes

Q48 Mathematics

If $a + b = 4$ and $ab = 3$, find the value of $a^3 + b^3$.

A. 36

B. 28 ☒

C. 38

D. 32



Q49 Mathematics

The value of the square root of the expression $32 \times 64^{-2} \times \frac{2}{16^3} \times 4^{m+3}$ is 2. Then the value of m is _____.

A. 8

B. 6

C. 4

D. 7

**Q50 Mathematics**

If 80% of 10% of $\frac{2}{3}$ of a number is 748, find the number.

A. 14420

B. 14025

C. 17790

D. 15470

**General Intelligence & Reasoning**

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

Town X is to the north of Town P. Town X is to the east of Town Y. Town W is to the south of Town Y. Town Z is to the east of Town W. Town Z is to the north of Town P. What is the position of Town X with respect to Town Z?

A. South

B. West

C. East

D. North

**Q53 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

50 ? 40 70 30 80

A. 65

B. 60

C. 75

D. 55

**Q52 General Intelligence & Reasoning**

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

BDH:EGK

KMQ:NPT

A. HQW:KTZ



B. COD:NCX

C. ITD:YDS

D. BTD:FGY

Q54 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. VW-ZA

B. OP-ST

C. MN-QR

D. EF-HL



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Q55 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 2 5 6 4 9 7 8 4 3 1 7 8 3 5 6 4 8 5 7 1 2 9 7 5 8 6 4
(Right)

How many such even numbers are there, each of which is immediately preceded by an even number and immediately followed by an odd number?

A. Three



B. Four

C. Zero

D. Two

Q56 General Intelligence & Reasoning

All 60 people are standing in a row facing north. Sandeep is 20th from the right end while Kiran is 10th from the left end. How many people are there between Sandeep and Kiran?

A. 28

B. 27

C. 30



D. 29

Q57 General Intelligence & Reasoning

In a certain code language, 'dirt is there' is coded as 'mp rc gp' and 'clean the dirt' is coded as 'hk mp bo'. How is 'dirt' coded in that language?

A. gp

B. mp



C. bo

D. hk

Q58 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. ZWY

B. IFH

C. JGI

D. QOP

**Q59 General Intelligence & Reasoning**

If '+' means '÷', '-' means 'x', 'x' means '-', '÷' means '+', then what will come in place of the question mark (?) in the following equation?

$$608 + 76 \times 6 - 37 \div 259 = ?$$

A. 41

B. 39

C. 33

D. 45

**Q60 General Intelligence & Reasoning**

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 7 4 1 2 4 9 7 5 3 6 1 5 2 7 5 4 8 3 9 6 5 7 3 9 1 4 2
(Right)

How many such even numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

A. Three

B. One

C. More than three



D. Two

Q61 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

IOS 17, LRV 23, OUY 29, RXB 35, ?

A. UBE 43

B. SZE 42

C. UAE 41



D. UZC 41

Q62 General Intelligence & Reasoning

MLPO is related to NMQP in a certain way based on the English alphabetical order. In the same way, GFJI is related to HGKJ. To which of the given options is ONRQ related, following the same logic?

A. PNRR

B. POSR



C. PPRV

D. PORR



Q63 General Intelligence & Reasoning

Six people, A, B, C, D, E and F, are sitting in a row, facing north. A sits third to the left of E. E sits second to the left of F. D sits to the immediate right of E. B sits to the immediate left of C. How many people sit between C and F?

A. Two



B. Three

C. None

D. One

Q64 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All rings are kettles.

All dogs are bottles.

No rings are bottles.

Conclusions:

(I): Some kettles are not dogs.

(II): No rings are dogs.

A. Only conclusion (I) follows

B. Only conclusion (II) follows

C. Both conclusions (I) and (II) follow



D. Neither conclusion (I) nor (II) follows

Q65 General Intelligence & Reasoning

What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$9 \div 2 + 24 \times 6 - 3 = ? + 5$$

A. 22



B. 20

C. 18

D. 24

Q66 General Intelligence & Reasoning

This question is based on the five, three-digit numbers given below.

(Left) 745 768 729 716 721 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

NOTE - All operations to be done from left to right.

What will be the resultant if the second digit of the second highest number is added to the third digit of the lowest number?

A. 13

B. 12

C. 14

D. 10

**Q67 General Intelligence & Reasoning**

Karthik starts from Point Y and drives 86 km towards the east. He then takes a right turn, drives 41 km, turns right and drives 61 km. He then takes a right turn and drives 92 km. He takes a left turn, drives 25 km. He then turns right, drives 31 km and stops at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again? (All turns are 90-degree turns only unless specified.)

A. 84 km towards the south

B. 86 km towards the north

C. 82 km towards the south



D. 85 km towards the west

Q68 General Intelligence & Reasoning

In a certain code language, 'move the rocks' is coded as 'ld an ur' and 'rocks block roads' is coded as 'mp cq an'. How is 'rocks' coded in the given language?

A. mp

B. ur

C. an



D. cq

Q69 General Intelligence & Reasoning

Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north.

Only three people sit to the left of C. Only D sits to the right of B. Only three people sit between B and F. A sits at some place to the left of G but at some place to the right of E. How many people sit to the right of A?

A. 5

B. 3

C. 4



D. 2



Q70 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

7, 14, 28, 56, 112, ?

A. 216

B. 192

C. 232

D. 224

**Q71 General Intelligence & Reasoning**

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right.

(Left) 4 3 1 3 5 3 6 2 3 7 8 4 6 9 7 4 5 2 3 7 4 2 1 5 7 9 8
(Right)

How many such odd numbers are there, each of which is immediately preceded by an even number and also immediately followed by an odd number?

A. 3

B. 4

C. 5



D. 6

Q72 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

0 ? 12 24 40 60

A. 2

B. 4



C. 10

D. 8

Q73 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some easels are brushes.

Some canvases are brushes.

Conclusions:

(I): Some brushes are canvases.

(II): All easels are canvases.

A. Neither conclusion (I) nor (II) follows

B. Both conclusions (I) and (II) follow

C. Only conclusion (I) follows



D. Only conclusion (II) follows

Q74 General Intelligence & Reasoning

IS69 is related to LO61 in a certain way. In the same way, WE43 is related to ZA35. To which of the following is GI91 related, following the same logic?

A. JE83



B. KD84

C. KF82

D. NF82

Q75 General Intelligence & Reasoning

In a certain code language,
A + B means 'A is the son of B',
A - B means 'A is the brother of B',
A x B means 'A is the wife of B',
and A & B means 'A is the father of B'.

How is K related to V if 'K & T - R x Z + V'?

A. Son

B. Son's wife's brother

C. Father

D. Son's wife's father

**Q76 General Intelligence & Reasoning**

Five people, A, B, C, D and E, are sitting in a row, facing north. D sits at the extreme left end of the row. E sits third to the right of A. B sits to the immediate right of A. How many people sit between D and E?

A. 3



B. 2

C. 0

D. 1



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Q77 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

15 - 3 - 5

24 - 4 - 6

A. 35 - 5 - 8

B. 20 - 2 - 10

C. 50 - 3 - 19

D. 63 - 7 - 11

Q78 General Intelligence & Reasoning

In a row of all 76 students facing the north, Mr. Hepa is 9th from the left end. If Mr. Annu is 56th to the right of Mr. Hepa, what is Mr. Annu's position from the right end of the row?

A. 12th

B. 11th

C. 9th

D. 10th

Q79 General Intelligence & Reasoning

If '+' means '-', '-' means 'x', 'x' means '÷' and '÷' means '+', then what will come in place of the question mark (?) in the following equation?

$$97 - 11 \div 67 + 864 \times 16 = ?$$

A. 1055

B. 1097

C. 1080

D. 1066

Q80 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

KIE 88 CAW 95 USO 102 MKG 109 ?

A. EDX 116

B. EBX 115

C. EGY 116

D. EGJ 115

General Awareness

20 Questions • Answer Key

Q81 General Awareness

Who among the following was sworn in as the Chief Justice of India on 24 November 2025?

A. N. V. Ramana

B. Surya Kant

C. D. Y. Chandrachud

D. Ranjan Gogoi

Q82 General Awareness

Which two ministries are involved in the Nurturing Aspirations through Vocational Training for Young Adolescent Girls (NAVYA) initiative?

A. Ministry of Health and Family Welfare, and Ministry of Women and Child Development (MWCD)

B. Ministry of Youth Affairs and Sports, and Ministry of Women and Child Development (MWCD)

C. Ministry of Women and Child Development (MWCD), and Ministry of Skill Development and Entrepreneurship (MSDE)

D. Ministry of Women and Child Development (MWCD), and Ministry of Education

Q83 General Awareness

Who was the chief guest at India's 76th Republic Day parade in 2025?

A. Vladimir Putin

B. Joe Biden

C. Prabowo Subianto

D. Emmanuel Macron

Q84 General Awareness

In May 2025, India attacked which country with a BrahMos missile?

A. Iran

B. Pakistan

C. Iraq

D. Afghanistan



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Q85 General Awareness

Which novel by Nell Stevens exploring queerness in Victorian London was reviewed in June 2025?

A. The Original



B. The Devil's Party

C. The Emperor of Gladness

D. Dream Count

Q86 General Awareness

In September 2025, the **Commission for Air Quality Management (CAQM)** held detailed review meetings on preparedness to prevent **paddy stubble burning** during the harvest season with which **two state governments**?

A. Punjab and Rajasthan

B. Haryana and Uttarakhand

C. Punjab and Haryana



D. Haryana and Uttar Pradesh

Q87 General Awareness

Where did President of India Droupadi Murmu launch India's first home-grown anti-cancer CAR-T cell therapy?

A. All India Institute of Medical Sciences, New Delhi

B. Indian Institute of Technology Bombay



C. Indian Institute of Technology Delhi

D. Indian Institute of Technology Madras

Q88 General Awareness

The Indian hockey legend PR Sreejesh was recognized with what specific prestigious honour by President Droupadi Murmu on 28 April 2025, at Rashtrapati Bhavan?

A. Padma Vibhushan

B. Arjuna Award

C. Padma Bhushan



D. Padma Shri

Q89 General Awareness

Which institute secured Rank 1 in the inaugural SDG category of NIRF 2025?

A. IIT Kanpur

B. IIT Delhi

C. IIT Madras



D. IIT Bombay

Q90 General Awareness

In July 2025, two high-speed unmanned aerial targets were successfully destroyed using the Akash Prime weapon system in which Union Territory of India?

A. Ladakh



B. Puducherry

C. Lakshadweep

D. Andaman and Nicobar Islands

Q91 General Awareness

For which sports has Murlikant Rajaram Petkar received Arjuna Awards (Lifetime) for his outstanding performance in the year 2024?

A. Athletics

B. Hockey

C. Para gliding

D. Para-Swimming



Q92 General Awareness

Which national team secured its first-ever title at the 2025 IIHF Women's Asia Cup held in Al-Ain, UAE?

A. Japan

B. Iran

C. China

D. Philippines



Q93 General Awareness

How many Padma Bhushan awards were announced in 2025?

A. 21

B. 25

C. 19



D. 23

Q94 General Awareness

Who among the following has received the National Geoscience Award for Lifetime Achievement in 2023?

A. Prof. Dheeraj Mohan Banerjee



B. Prof. Suraj Mohan Banerjee

C. Prof. Agraj Mohan Banerjee

D. Prof. Neeraj Mohan Banerjee



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Q95 General Awareness

In June 2025, what was the reduced repo rate?

- A. 6.00%
- B. 5.25%
- C. 5.75%
- D. 5.50%

**Q96 General Awareness**

Under what theme was the International Day for Biological Diversity celebrated in 2025?

- A. Biodiversity and Sustainable Tourism
- B. Biodiversity: Food, Water and Health for All
- C. Harmony with Nature and Sustainable Development
- D. Protect Biodiversity in Drylands

**Q97 General Awareness**

In which city was the 15th edition of the Hockey India Senior Men National Championship 2025 conducted?

- A. Lucknow
- B. Bhopal
- C. Jhansi
- D. Ranchi

**Q98 General Awareness**

During the June 2025 Monetary Policy Committee meeting, the Reserve Bank of India cut cash reserve ratio (CRR) by how many bps?

- A. 150
- B. 50
- C. 75
- D. 100

**Q99 General Awareness**

Which of the following three-city groups emerged as the top 'Swachh Shehar' in the (more than 10 lakhs population) Swachh Survekshan 2024-25 awards hosted by the Ministry of Housing and Urban Affairs?

- A. Jaipur, Hyderabad, Kochi
- B. Ahmedabad, Bhopal, Lucknow
- C. Mumbai, Bengaluru, Patna
- D. Pune, Indore, Surat

**Q100 General Awareness**

Under the Environment Audit Rules, 2025, who is eligible to conduct environmental audits, and how are auditors assigned to project entities?

- A. Industry-nominated auditors; allocation by industry association
- B. Registered Environment Auditors; random assignment method
- C. Self-selected auditors; nomination by state government
- D. Project-appointed auditors; voluntary selection



General Science

25 Questions • Answer Key

Q1 General Science

Which part of the brain is primarily responsible for higher-level thought processes and complex interpretation of sensory information?

- A. The forebrain ✓
- B. The cerebellum
- C. The brainstem
- D. The spinal cord

Q2 General Science

What is ultrasonography used for during pregnancy?

- A. To measure the mother's weight
- B. To check the mother's heartbeat
- C. To detect birth defects and monitor the baby's growth ✓
- D. To find the blood group of the baby

Q3 General Science

In plants, after fertilisation, the ovule develops into which of the following?

- A. Embryo
- B. Seed ✓
- C. Endosperm
- D. Fruit

Q4 General Science

What will the distance-time graph look like for an object moving with uniform speed?

- A. The graph looks like a sine wave.
- B. The graph is a straight line. ✓
- C. The graph cannot be drawn.
- D. The graph is a zig zag line.

Q5 General Science

A ball is thrown up with a velocity of x m/s. The ball attains a maximum height of 50 m. What is the value of x ? (Take the value of g as 10 m/s^2)

- A. 10 m/s
- B. 100 m/s
- C. $10\sqrt{10}$ m/s ✓
- D. 1000 m/s

Q6 General Science

Which component of blood serves as the fluid matrix in which cells are suspended?

- A. Plasma ✓
- B. White blood cells
- C. Platelets
- D. Red blood cells

Q7 General Science

In a large population of sweet pea plants growing in stable conditions, which of the following best explains why genetic variation through sexual reproduction is still crucial for their long-term survival?

- A. Variation helps sweet pea plants avoid cross-pollination, maintaining purity of the parental line.
- B. Sweet pea plants reproduce faster sexually than asexually, ensuring more biomass production.
- C. Genetic variation ensures uniform flower color and height across future generations.

D. Hidden (recessive) alleles in sweet peas may offer resistance against future environmental stress. ✓

Q8 General Science

A student wants to separate a heterogeneous mixture of mud and water collected from a pond. Based on your understanding of mixtures, which method would be most effective and why?

- A. Chromatography, because it separates based on movement in a medium
- B. Evaporation, because it removes the solvent
- C. Filtration, because the solid particles in mud are not dissolved in water ✓
- D. Distillation, because it separates based on boiling points

Q9 General Science

In plants that reproduce by budding, which process directly initiates the formation of a new individual?

- A. Random cell death in tissues
- B. Development of seeds from flowers
- C. Localized repeated cell division at a specific site ✓
- D. Fusion of gametes from different individuals



Q10 General Science

The way of obtaining fish from natural resources is called _____.

- A. Farming fishing
- B. Culture fishing
- C. Composite fishing
- D. Capture fishing ✓

Q11 General Science

The resistance of a metal wire of length 2 m is $10\ \Omega$ at 25°C . If the diameter of the wire is 0.4 mm, what will be the resistivity of the metal at that temperature?

[Given, $\pi = 3.14$]

- A. $6.3 \times 10^{-5}\ \Omega\text{m}$
- B. $1.55 \times 10^{-6}\ \Omega\text{m}$
- C. $3.6 \times 10^{-6}\ \Omega\text{m}$
- D. $6.3 \times 10^{-7}\ \Omega\text{m}$ ✓

Q12 General Science

Lenses are used in spectacles to correct vision because they work on the principle of _____.

- A. Refraction ✓
- B. Reflection
- C. Diffraction
- D. Polarization

Q13 General Science

Which gas is released when hydrochloric acid reacts with calcium carbonate?

- A. Nitrogen
- B. Hydrogen
- C. Oxygen
- D. Carbon dioxide ✓

Q14 General Science

Which of the following feature enables muscular tissue to produce movement in animals?

- A. Presence of contractile proteins ✓
- B. Secretion of digestive enzymes
- C. Storage of fat droplets
- D. Ability to transmit nerve impulses

Q15 General Science

The cellular organelles are suspended in a jelly called _____.

- A. Cytoplasm ✓
- B. Stroma
- C. Nucleoplasm
- D. Lumen

Q16 General Science

Which of the following statements about Newton's third law of motion is incorrect?

- A. The action and reaction forces act on the same object.
- B. The forces are equal in magnitude but opposite in direction.
- C. The forces act simultaneously on two different objects. ✓
- D. When one object exerts a force on another, the second object exerts an equal and opposite force back.

Q17 General Science

Which of the following is a straight-chain saturated hydrocarbon?

- A. Propene
- B. Cyclohexane
- C. Butane ✓
- D. Benzene

Q18 General Science

Consider the following statements and select the correct option.

Statement A: Small quantities of ethanol cause drunkenness.

Statement B: Intake of pure ethanol is safe for health.

- A. Both statements A and B are correct.
- B. Both statements A and B are incorrect.
- C. Statement A is correct, but B is incorrect. ✓
- D. Statement A is incorrect, but B is correct.



Q19 General Science

A molecule of methane contains one carbon atom bonded to four hydrogen atoms. What is the chemical formula for methane?

- A. C₂H₄
- B. CH₃
- C. C₄H
- D. CH₄

**Q20 General Science**

Which method is commonly used to prevent rusting of Iron?

- A. Heating
- B. Melting
- C. Magnetising
- D. Galvanisation

**Q21 General Science**

A wire of resistivity ρ , has a length L and area of cross-section A . If the resistance of the wire is R , then which of the following is the correct relation for R ?

- A. $R = L/\rho A$
- B. $R = \rho LA$
- C. $R = \rho A/L$
- D. $R = \rho L/A$

**Q22 General Science**

A substance is said to be reduced when:

- A. it loses oxygen or gains hydrogen
- B. it loses oxygen only
- C. it loses hydrogen or gains oxygen
- D. it gains hydrogen only

**Q23 General Science**

When a force is applied at 90° to the direction of displacement of an object, the work done:

- A. is minimum but not zero
- B. is zero
- C. cannot be determined
- D. is maximum

**Q24 General Science**

Which of the following statement(s) is/are true regarding a concave lens?

- (i) A concave lens is also called a diverging lens.
- (ii) A concave lens always forms a real and inverted image of the object placed anywhere in front of it.
- (iii) A concave lens always forms a virtual and erect image of the object placed anywhere in front of it.

- A. Only (ii)
- B. Both (i) and (ii)
- C. Only (iii)
- D. Both (i) and (iii)

**Q25 General Science**

Which property best explains why solids have a definite shape and volume?

- A. The particles are randomly arranged.
- B. The particles have large spaces between them.
- C. The particles can move freely past each other.
- D. The particles are closely packed in a fixed arrangement.

**Mathematics**

25 Questions • Answer Key

Q26 Mathematics

The LCM of two numbers 216 and 120 is 1080. Find the HCF of these numbers.

- A. 24
- B. 36
- C. 32
- D. 48

**Q27 Mathematics**

If ₹2,443 is divided among 363 children such that each girl and each boy get ₹6 and ₹7, respectively, then how many boys are there?

- A. 285
- B. 325
- C. 225
- D. 265



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Q28 Mathematics

The marked price of a jeans was ₹7,750 but the shopkeeper offered successive discounts of 20% and 30%. Ultimately for how much did he sell the item?

A. ₹4,397

B. ₹4,224

C. ₹4,340



D. ₹4,356

Q29 Mathematics

A basket contains 96 fruits consisting of mangoes and oranges. If there are 42 more mangoes than oranges, then how many mangoes are there?

A. 79

B. 49

C. 59

D. 69

**Q30 Mathematics**

The price of a faucet and a wash basin are ₹860 and ₹2900, respectively. If the price of the faucet and that of the wash basin is increased by 5% and 10%, respectively, then find the price of 6 faucets and 6 wash basins.

A. ₹20,550

B. ₹36,500

C. ₹22,560

D. ₹24,558

**Q31 Mathematics**

If $(4^2)^a \times (16^2)^{2a} \times (3^4)^b \times (9^2)^{2b} = 2^{20} \times (9^2)^6$, find the values of a and b, respectively.

A. 2, 1

B. 3, 2

C. 2, 3

D. 1, 2

**Q32 Mathematics**

₹12,986 is divided among A, B and C in such a way that if ₹33, ₹70 and ₹19 are deducted from their respective shares, they have money in the ratio 14:8:2. Find the difference between B's and C's original shares.

A. ₹3,267



B. ₹3,166

C. ₹3,116

D. ₹3,366

Q33 Mathematics

The amount on a sum of ₹8,400 at 15% per annum compound interest, compounded annually, in 2 years will be:

A. ₹10,837

B. ₹11,668

C. ₹11,109



D. ₹11,339

Q34 Mathematics

The average of the first 10 odd natural numbers is:

A. 9.5

B. 10



C. 10.5

D. 11

Q35 Mathematics

The arithmetic mean of the observations 67, 76, 97, 34, 38, 63, 95, 95 and 74 is:

A. 68

B. 62

C. 71



D. 63

Q36 Mathematics

A shopkeeper offers the following four schemes.

A) Two successive discounts of 19% and 19%

B) Buy 2, get 10

C) Discount of 11%

D) Two successive discounts of 25% and 17%

Which scheme is best for customers?

A. A

B. C

C. B



D. D

Q37 Mathematics

A person covers a certain distance with a speed of 17 km/h in 8 min. If he wants to cover the same distance in 5 min, what should be his speed?

A. 26.2 km/h

B. 27.2 km/h



C. 28.2 km/h

D. 29.2 km/h



Q38 Mathematics

The income of Amit in 2019 was ₹22,200. He gets an increment of 10% every year. What was his income (in ₹) in 2021?

A. 24,420

B. 22,200

C. 26,862



D. 26,640

Q39 Mathematics

In an equilateral triangle ABC, point D lies on side BC such that, $3BD = BC$. Which of the following relations is correct?

A. $7AD^2 = 9AB^2$

B. $4AD^2 = 3AB^2$

C. $3AD^2 = 4AB^2$

D. $9AD^2 = 7AB^2$

**Q40 Mathematics**

One pipe can fill a tank in 9 minutes, while another pipe can empty the completely filled tank in 12 minutes. If both the pipes are opened together when the tank is empty, how many minutes will it take to fill one-half of the tank?

A. 36

B. 19

C. 18



D. 37

Q43 Mathematics

If $\sin \theta = \frac{3}{5}$, then find the value of $\cos \theta$.

A. $\frac{3}{5}$

B. $\frac{5}{4}$

C. $\frac{4}{5}$



D. $\frac{\sqrt{3}}{2}$

Q44 Mathematics

The volume of a solid cylinder is 6776 cm^3 and its height is 44 cm. What is the total surface area of the solid cylinder?

$\left(\text{Use } \pi = \frac{22}{7} \right)$

A. 2273 cm^2

B. 2221 cm^2

C. 2244 cm^2



D. 2227 cm^2

Q41 Mathematics

A person earns ₹40,000 per month. He allocates 25% of his income to rent, 15% to food, and 10% to transportation, and saves the remainder. How much does he save every month?

A. ₹10,000

B. ₹24,000

C. ₹12,000

D. ₹20,000

**Q42 Mathematics**

A garrison of 1200 men has provisions for 13 days. How long (in days) will the provisions last if the garrison is increased by 360 men?

A. 20

B. 10



C. 30

D. 5



Q45 Mathematics

The simplified value of $\left(x - \frac{1}{x}\right)\left(x + \frac{1}{x}\right)\left(x^2 + \frac{1}{x^2}\right)\left(x^4 + \frac{1}{x^4}\right)$ is:

A. $\left(x^7 + \frac{1}{x^7}\right)$

B. $\left(x^7 - \frac{1}{x^7}\right)$

C. $\left(x^8 + \frac{1}{x^8}\right)$

D. $\left(x^8 - \frac{1}{x^8}\right)$

**Q46** Mathematics

The selling price of an item including GST is ₹1,680. The rate of GST is 20%. If the shopkeeper made a profit of 12%, then what is the cost price of the article (in ₹)?

A. 1,520

B. 1,280

C. 1,250

D. 1,205

**Q47** Mathematics

4 km/h 7 km/h 2 km/h 5 km/h

A. 4 km/h

B. 5 km/h

C. 2 km/h

D. 7 km/h

**Q48** Mathematics

Four times the present age of Anil is equal to five times the present age of Bhavya. After 6 years, the age of Bhavya will be 6 years less than twice the present age of Anil. What is the difference (in years) between their present ages?

A. 4

B. 5

C. 3

D. 2



Q49 Mathematics

A cistern has a leak at the bottom. A pipe can fill the cistern in 6 hours, but due to the leak, it takes 8 hours to fill the cistern. How long would the leak take to empty the full cistern?

A. 30 hours

B. 36 hours

C. 24 hours 

D. 18 hours

Q50 Mathematics

Find the perimeter of the minor sector of a circle of radius 21 m subtending an angle of 45° at the centre. (Use $\pi = \frac{22}{7}$)

A. 56.5 m

B. 52.5 m

C. 58.5 m 

D. 50.5 m

General Intelligence & Reasoning

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

Refer to the following series and answer the question (all numbers are single digit numbers only).

(Left) 8 6 5 6 7 2 5 9 8 6 3 2 3 3 4 4 4 6 1 4 4 1 4 5 2 6 6
(Right)

How many such even numbers are there (from left to right) each of which is immediately preceded by an odd number and also immediately followed by an odd number?

A. 3

B. 6

C. 5

D. 4 **Q52 General Intelligence & Reasoning**

ANTY is related to CKOZ in a certain way based on English alphabetical order. In the same way, UIQL is related to WFLM. To which of the following is DSNB related to, following the same logic?

A. FPIC 

B. EPLD

C. HPKD

D. GPKC

Q53 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

FVO 18, DTM 29, BRK 40, ZPI 51, ?

A. YNF 65

B. XNG 62 

C. XNF 62

D. WNH 61

Q54 General Intelligence & Reasoning

In a certain code language,

A + B means 'A is the sister of B',

A - B means 'A is the father of B',

A × B means 'A is the brother of B' and

A ÷ B means 'A is the mother of B'.

How is N related to S if 'N ÷ O × P - Q + S'?

A. Father's mother 

B. Father's sister

C. Sister

D. Mother's sister



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Q55 General Intelligence & Reasoning

Seven people, S, Q, U, A, R, E and D are sitting in a row, facing north.
Only two people sit to the left of U. Only three people sit between U and R. Only one person sits between R and S. E sits to the immediate left of A. D is not an immediate neighbor of R.
How many people sit to the right of Q?

- A. Three
- B. Four
- C. One
- D. Two

Q56 General Intelligence & Reasoning

What should come in place of '?' in the given series?
153 164 177 192 209 ?

- A. 228
- B. 227
- C. 230
- D. 226

Q57 General Intelligence & Reasoning

JITD is related to EEQB in a certain way based on the English alphabetical order. In the same way, QHSB is related to LDPZ. To which of the following is TNYT related to following the same logic?

- A. OKUR
- B. PJUS
- C. OJVR
- D. PKVS

Q58 General Intelligence & Reasoning

LMUG is related to RHYD in a certain way. In the same way, JNSF is related to PIWC. To which of the following is HIVT related, following the same logic?

- A. MEZR
- B. MDYQ
- C. NDZQ
- D. NEYR

Q59 General Intelligence & Reasoning

Raman ranked 10th from the top and 5th from the bottom in his class. How many students are there in his class?

- A. 11
- B. 10
- C. 12
- D. 14

Q60 General Intelligence & Reasoning

What should come in place of ? in the given series in order to make it logically complete?
AZ81 BC64 DG49 GL36 ?

- A. JT25
- B. JS25
- C. KR25
- D. KR16

Q61 General Intelligence & Reasoning

Anand starts from Point A and drives 43 km towards the south. He then takes a left turn, drives 40 km, turns left and drives 45 km. He then takes a left turn and drives 51 km. He takes a final left turn, drives 2 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

- A. 13 km to the west
- B. 11 km to the east
- C. 12 km to the west
- D. 10 km to the east

Q62 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster)

- A. TG - XK
- B. VR - ZV
- C. BN - GS
- D. DW - HA



Q63 General Intelligence & Reasoning

In a certain code language, 'YARN' is coded as '5731' and 'ROSE' is coded as '2148'. What is the code for 'R' in the given code language?

A. 3

B. 1



C. 2

D. 4

Q64 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some bats are nets.

All cubs are nets.

Conclusions:

(I) Some bats are cubs.

(II) All nets are cubs.

A. Both conclusions (I) and (II) follow.

B. Only conclusion (I) follows.

C. Only conclusion (II) follows.

D. Neither conclusion (I) nor (II) follows.

**Q65 General Intelligence & Reasoning**

Refer to the following series and answer the question (all numbers are single-digit numbers only) (Counting to be done from left to right only)

(Left) 3 7 9 8 5 3 6 2 2 1 5 3 7 1 5 7 5 7 1 8 4 3 6 9 7 4 4

(Right)

How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an odd digit?

A. Three

B. One

C. Two

D. More than three

**Q66 General Intelligence & Reasoning**

Ravi drove 20 km from his office towards the north. He then took a right turn and drove 5 km. He took another right turn and drove 10 km, and then turned right, drove 5 km, and stopped at point A. How far is Ravi from his initial position?

(Note: All turns are 90° turns only unless specified.)

A. 10 km



B. 15 km

C. 5 km

D. 20 km

Q67 General Intelligence & Reasoning

What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$42 \times 7 \div 8 - 16 + 9 = ?$$

A. 60

B. 55



C. 52

D. 50

Q68 General Intelligence & Reasoning

All 36 students in a class are standing in a row, facing north. Priya is 9th from the left end while Neeraj is 27th from the right end. How many people stand between Priya and Neeraj?

A. 1

B. 2

C. 3

D. 0



Q69 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All pencils are erasers.
All pencils are rulers.
All rulers are boxes.

Conclusions:

(I) All pencils are boxes.
(II) Some rulers are erasers.

- A. Neither conclusion (I) nor (II) follows
- B. Only conclusion (I) follows
- C. Both conclusions (I) and (II) follow ✓
- D. Only conclusion (II) follows

Q70 General Intelligence & Reasoning

A, B, C, D, E, F and G are sitting around a circular table facing the centre. B sits second to the right of A. E sits to the immediate left of A. C is the immediate neighbour of F and G. D sits second to the left of F. How many people sit between E and G when counted from the left of E?

- A. None ✓
- B. Three
- C. Four
- D. One

Q71 General Intelligence & Reasoning

Refer to the given series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 6 6 8 6 7 4 5 9 9 1 7 6 8 1 4 5 4 7 1 4 1 1 4 3 5 4 3
(Right)

How many such even numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

- A. 3
- B. 0
- C. 2
- D. 1 ✓

Q72 General Intelligence & Reasoning

If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 5431786, what will be difference between the highest and lowest digits in the number thus formed?

- A. 8
- B. 14
- C. 10
- D. 6 ✓

Q73 General Intelligence & Reasoning

This question is based on the five, three-digit numbers given below.

(Left) 629 125 534 756 438 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

NOTE - All operations to be done from left to right.

If all the numbers are arranged in ascending order, the position of how many numbers will remain unchanged?

- A. Three
- B. One ✓
- C. Two
- D. None

Q74 General Intelligence & Reasoning

What should come in place of ? in the given series?
30 36 47 63 84 ?

- A. 109
- B. 112
- C. 110 ✓
- D. 111

Q75 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

158 169 191 224 268 ?

- A. 332
- B. 323 ✓
- C. 321
- D. 312



Q76 General Intelligence & Reasoning

Six people G, H, I, Q, R and S are sitting in a straight line facing the north. Only three people are seated to the left of H. Only Q is seated to the right of S. Only three people are seated between Q and I. G is seated at some place to the right of R. How many people are seated between R and S?

- A. Four
- B. Two
- C. Three
- D. One

**Q77 General Intelligence & Reasoning**

In a certain code language, 'TEAR' is coded as '5731' and 'POST' is coded as '2148'. What is the code for 'T' in the given code language?

- A. 2
- B. 5
- C. 1
- D. 8

**Q78 General Intelligence & Reasoning**

Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster)

- A. MRV
- B. EIM
- C. TYC
- D. WBF

**Q79 General Intelligence & Reasoning**

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(5, 14, 35)
(4, 13, 33)

- A. (16, 7, 21)
- B. (7, 16, 40)
- C. (10, 19, 45)
- D. (8, 17, 27)

**Q80 General Intelligence & Reasoning**

If 'I' stands for '+', 'J' stands for 'x', 'K' stands for '÷' and 'L' stands for '-', then what will come in place of question mark (?) in the following equation?

59 J 4 K 2 I 150 J 2 L 102 K 2 L 15 K 5 L 10 = ?

- A. 376
- B. 354
- C. 298
- D. 312

**General Awareness**

20 Questions • Answer Key

Q81 General Awareness

Which group of people is expected to benefit the most from the removal of minimum balance penalties by Indian Bank and Punjab National Bank in July 2025?

- A. Rural citizens and low-income account holders
- B. Urban business executives and corporate professionals
- C. College students and monthly salaried employees
- D. High-income investors and wealthy individuals

**Q82 General Awareness**

In September 2025, TDK Corporation inaugurated its Advanced Technologies Lithium-ion Battery Manufacturing Plant in which Indian state?

- A. Haryana
- B. Uttarakhand
- C. Rajasthan
- D. Kerala



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Q83 General Awareness

Which city hosted the 2024 National Boxing Championships from 6 to 13 January?

- A. Jaipur
- B. Patna
- C. Guwahati
- D. Bareilly

**Q84 General Awareness**

What was the theme of India's 76th Republic Day celebrated on 26 January 2025?

- A. Atmanirbhar Bharat: Udaan Nayi Soch Ki
- B. Swarnim Bharat: Virasat aur Vikas
- C. Ek Bharat Shreshtha Bharat
- D. Digital India: Power to Empower

**Q85 General Awareness**

Which of the following countries is set to host the first ever Olympic Esports Games, as announced by the International Olympic Committee (IOC) in 2027?

- A. France
- B. Qatar
- C. Saudi Arabia
- D. China

**Q86 General Awareness**

Which of the following volcanoes, located in Ethiopia, was in the news in November 2025 for erupting for the first time in recorded history?

- A. Kilauea
- B. Hayli Gubbi
- C. Krasheninnikov
- D. Mount Semeru

**Q87 General Awareness**

Who became the sixth male golfer in history to complete a career Grand Slam by winning the 2025 Masters Tournament?

- A. Tiger Woods
- B. Phil Mickelson
- C. Rory McIlroy
- D. Jordan Spieth

**Q88 General Awareness**

In April 2025, the Securities and Exchange Board of India (SEBI) came out with the operational framework for PaRRVA. What is the purpose of PaRRVA?

- A. Approving mutual fund licences
- B. Settling trading disputes
- C. Verifying investment performance claims
- D. Tax auditing of listed firms

**Q89 General Awareness**

Which of the following countries was among the 37 countries that presented its Voluntary National Review (VNR) at the High-Level Political Forum (HLPF) held in July 2025?

- A. India
- B. Sri Lanka
- C. China
- D. Nepal

**Q90 General Awareness**

Which of the following was the first integrated multi-state mock drill in Delhi-NCR, simulating a large-scale earthquake across 55 locations, conducted from 1 August 2025?

- A. Exercise Sahayata Setu
- B. Exercise Suraksha Chakra
- C. Exercise Surya Kiran
- D. Exercise Tristate Shakti

**Q91 General Awareness**

According to a US business intelligence report, who was the most popular democratic leader in July 2025?

- A. Rahul Gandhi
- B. Nirmala Sitharaman
- C. Narendra Modi
- D. Amit Shah

**Q92 General Awareness**

Who scored 759 runs to win the IPL 2025 Orange Cap for Gujarat Titans?

- A. Virat Kohli
- B. Rajat Patidar
- C. Sai Sudharsan
- D. Suryakumar Yadav



Q93 General Awareness

The 11th edition of the Joint Military Exercise 'MITRA SHAKTI-2025' between India and Sri Lanka was held in which of the following cities?

- A. Kochi
- B. Belagavi
- C. Jodhpur
- D. Chennai

Q94 General Awareness

In July 2025, which panel has suggested revising the 'Guidelines for declaration of ESZ, 2011' issued by the Ministry of Environment, Forest and Climate Change (MoEFCC)?

- A. The Standing Committee of the National Board for Wildlife
- B. The Standing Committee of National Tiger Conservation Authority
- C. The Standing Committee of Ministry of Rural Development
- D. The Standing Committee of Central Pollution Control Board

Q95 General Awareness

Who is the 2025 World Junior champion of the open section of Atomic Chess Championship held at Petrovac, Montenegro?

- A. Pranav Venkatesh
- B. Matic Lavrencic
- C. GM Amar Elham
- D. Pentala Harikrishan

Q96 General Awareness

Which is the first fully indigenous microprocessor developed by C-DAC under the Microprocessor Development Programme in 2025?

- A. PRATYUSH55
- B. PARAM32
- C. DHRUV64
- D. SHAKTI101

Q97 General Awareness

In 2025, which ministry launched the Trade Intelligence and Analytics Portal to offer transparent and real-time trade data?

- A. Ministry of Commerce and Industry
- B. Ministry of External Affairs
- C. Ministry of Statistics and Programme Implementation
- D. Ministry of Finance

Q98 General Awareness

Which international joint naval exercise in a disputed maritime region raised eyebrows in 2025?

- A. Exercise Malabar with India and Australia near the Malacca Strait
- B. India-Philippines naval drill in the South China Sea
- C. Iron Fist Drill with Russia in the Indian Ocean
- D. Exercise Ajeya Warrior in the Bay of Bengal

Q99 General Awareness

Under which Article of the Constitution of India was Justice Meenakshi Madan Rai appointed by the President to perform the duties of the Chief Justice of the Sikkim High Court in December 2025?

- A. Article 217
- B. Article 223
- C. Article 226
- D. Article 124

Q100 General Awareness

As per the new Know Your Customer (KYC) relaxations of the Reserve Bank of India (RBI) notified in May 2025, low-risk customers are allowed to continue transactions without KYC until ____.

- A. 30 June 2026
- B. 31 December 2025
- C. 30 June 2025
- D. 31 March 2026



General Science

25 Questions • Answer Key

Q1 General Science

Which of the following statement(s) is/are true about the buoyant force experienced by an object when it is immersed in a fluid?

- (i) All objects experience a force of buoyancy when they are immersed in a fluid.
(ii) The magnitude of this buoyant force depends on the density of the fluid.

A. Neither (i) nor (ii)

B. Only (ii)

C. Only (i)

D. Both (i) and (ii)



Q2 General Science

Which of the following correctly represents the pathway of air during respiration in human beings?

A. Nostrils → Throat → Lungs → Alveoli



B. Nostrils → Food pipe → Heart → Lungs

C. Mouth → Heart → Lungs → Diaphragm

D. Mouth → Stomach → Lungs → Alveoli

Q3 General Science

Which factor does NOT increase the rate of evaporation?

A. Decrease in temperature



B. Increase in wind speed

C. Decrease in humidity

D. Increase in surface area

Q4 General Science

Which rule helps in identifying the direction of the force acting on a current-carrying conductor placed in a magnetic field?

A. Fleming's left-hand rule



B. Maxwell's corkscrew rule

C. Ohm's law

D. Right-hand thumb rule

Q5 General Science

Which of the following is the energy possessed by a body by virtue of its position, shape and configuration?

A. Kinetic Energy

B. Potential Energy



C. Heat Energy

D. Muscular Energy

Q6 General Science

A reaction in which the positive and negative ions of two ionic compounds exchange places to form two new compounds is an example of:

A. Combination reaction

B. Decomposition reaction

C. Displacement reaction

D. Double displacement reaction



Q7 General Science

When copper reacts with oxygen on heating in air, which of the following correctly represents the product formed, along with its colour?

A. Copper(II) oxide (CuO) – black in colour



B. Copper(II) oxide (CuO) – brown in colour

C. Copper(I) oxide (Cu₂O) – white in colour

D. Copper(I) oxide (Cu₂O) – red in colour

Q8 General Science

According to Right Hand Thumb Rule, if the curling of the fingers of our right hand gives the direction of magnetic field, then the thumb of our right hand is aligned along the direction of which physical quantity?

A. Induced Current in the conductor

B. Electric field applied across the conductor

C. Force acting on the conductor

D. Current flowing through the conductor



Q9 General Science

If the power of a lens is -4 D , which of the following is true about the lens?

- ☒ A. It is a concave lens of focal length 25 cm.
- ☐ B. It is a convex lens of focal length 2.5 m.
- ☐ C. It is a convex lens of focal length 25 cm.
- ☐ D. It is a concave lens of focal length 0.4 m.

Q10 General Science

A plant breeder crosses two pure-breeding pea plants—one producing round seeds and the other producing wrinkled seeds. Based on Mendel's findings, what phenotype would all the seeds in the F_1 generation display?

- ☐ A. Half round, half wrinkled
- ☐ B. A mix of round and wrinkled in varying proportions
- ☒ C. Round seeds
- ☐ D. Wrinkled seeds

Q11 General Science

Which of the following is true for mitosis but not for meiosis?

- ☐ A. Promotes genetic variation
- ☒ B. Produces identical daughter cells
- ☐ C. Results in haploid cells
- ☐ D. Occurs in reproductive cells

Q12 General Science

Arrange the following steps in correct sequence during the process of fragmentation-based reproduction:

1. Growth of lost body parts through mitosis
2. Breakdown of body/filament into fragments
3. A Mature organism lives independently
4. Each fragment develops into a complete organism

- ☐ A. 4 – 2 – 1 – 3
- ☒ B. 2 – 1 – 4 – 3
- ☐ C. 2 – 4 – 1 – 3
- ☐ D. 1 – 2 – 4 – 3

Q13 General Science

Which of the following correctly represents the mass number of an element?

- ☐ A. The number of protons only
- ☐ B. The difference between protons and neutrons
- ☐ C. The number of electrons
- ☒ D. The sum of protons and neutrons

Q14 General Science

The process by which the eye lens changes its focal length to focus on near or distant objects is called _____.

- ☐ A. Adaptation
- ☐ B. Reflection
- ☒ C. Accommodation
- ☐ D. Adjustment

Q15 General Science

The common name for *Apis florae* is:

- ☐ A. The Asian bee
- ☐ B. The dwarf bee
- ☒ C. The little bee
- ☐ D. The giant bee

Q16 General Science

Metals are generally good conductors of heat. Which of the following is an exception to this?

- ☒ A. Mercury
- ☐ B. Aluminium
- ☐ C. Copper
- ☐ D. Iron

Q17 General Science

Which of the following is a heterogeneous mixture?

- ☐ A. Sugar solution
- ☒ B. Sand and water
- ☐ C. Salt solution
- ☐ D. Air

Q18 General Science

Which process occurring in the Golgi apparatus shows its role in synthesis?

- ☒ A. Formation of complex sugars from simple sugars
- ☐ B. Synthesis of nucleic acids from ribosomes
- ☐ C. Conversion of proteins into amino acids
- ☐ D. Absorption of water through osmosis



Q19 General Science

When the distance–time graph of an object is a curved line, it indicates that _____.

- A. The object is moving with a constant speed
- B. The speed of the object is changing with time ✓
- C. There is no acceleration in the motion
- D. The object remains stationary

Q20 General Science

When the frequency of vibration of a sound source increases, the resulting sound will have _____.

- A. Higher pitch ✓
- B. Greater loudness
- C. Lower pitch
- D. Smaller amplitude

Q21 General Science

Which of the following conditions are essential for the rusting of iron?

- A. Presence of only oxygen
- B. Presence of only water (moisture)
- C. Presence of both oxygen and water (moisture) ✓
- D. Presence of carbon dioxide

Q25 General Science

Which of the following is a combination reaction?

- A. $\text{CaO} + \text{H}_2\text{O} \rightarrow \text{Ca(OH)}_2$ ✓
- B. $\text{Fe} + \text{CuSO}_4 \rightarrow \text{FeSO}_4 + \text{Cu}$
- C. $\text{AgNO}_3 + \text{NaCl} \rightarrow \text{AgCl} + \text{NaNO}_3$
- D. $2\text{KClO}_3 \rightarrow 2\text{KCl} + 3\text{O}_2$

Q22 General Science

If a particle covers a distance of 12 m in every 3 s, what is the slope of its distance–time graph?

- A. 12.0 m/s
- B. 0.25 m/s
- C. 3.0 m/s
- D. 4.0 m/s ✓

Q23 General Science

Which of the following is most important for child-bearing and women's health?

- A. Intake of too much caffeine
- B. Proper diet and prenatal care ✓
- C. Smoking daily
- D. Skipping meals

Q24 General Science

Which of the following is a traditional water harvesting method in Rajasthan, India?

- A. Johad ✓
- B. Borewell
- C. Check dam
- D. Hand pump

Mathematics

25 Questions • Answer Key

Q26 Mathematics

The average of the first 14 odd natural numbers, is:

- A. 13.5
- B. 14.5
- C. 15
- D. 14 ✓

Q27 Mathematics

Which of the following numbers is divisible by 45?

- A. 306999
- B. 20475 ✓
- C. 555555
- D. 25436



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Q28 Mathematics

A company earns a profit that is distributed among the company's three partners in the ratio of 7 : 13 : 9. If the difference between the smallest and the largest shares is ₹58,326, the total profit of the company is:

- A. 2,81,934
- B. 2,81,811
- C. 2,81,955
- D. 2,81,909

**Q29 Mathematics**

Keshav bought 52 books for ₹1,120 from one shop and 47 books for ₹915 from another. What is the average price (in ₹, rounded off to two decimal places) he paid per book?

- A. 22.56
- B. 21.56
- C. 23.56
- D. 20.56

**Q30 Mathematics**

In an election, 8640 people or 72% of the eligible voters cast their votes. If the number of eligible voters increases by 8% next year, how many eligible voters will there be in total next year?

- A. 13,860
- B. 13,960
- C. 12,860
- D. 12,960

**Q31 Mathematics**

Tom has been saving money for a new bike and has ₹12,000 in his saving account. He decides to save an additional ₹1,500 each week. How many weeks will it take for Tom to have a total of ₹21,000?

- A. 5 weeks
- B. 7 weeks
- C. 6 weeks
- D. 8 weeks

**Q32 Mathematics**

The ratio of Ratnesh's monthly income to expenditure is 12 : 7. His income is increased by 40% and expenditure is increased by 50%. What is the new ratio of income to expenditure?

- A. 4 : 3
- B. 10 : 7
- C. 11 : 6
- D. 8 : 5

**Q33 Mathematics**

A shopkeeper marks an article at ₹x and offers a discount of 63% on the marked price. He sells it for ₹481 after charging VAT of 25% on the discounted price. What is the value of x?

- A. 1,040
- B. 1,100
- C. 1,200
- D. 1,300

**Q34 Mathematics**

The amount on a sum of ₹6,200 at 20% per annum compound interest, compounded annually, in 2 years will be:

- A. ₹9,928
- B. ₹8,670
- C. ₹8,036
- D. ₹8,928

**Q35 Mathematics**

One pipe can fill a tank in 6 minutes, while another pipe can empty the completely filled tank in 24 minutes. If both the pipes are opened together when the tank is empty, how many minutes will it take to fill one-half of the tank?

- A. 9
- B. 5
- C. 4
- D. 8



Q36 Mathematics

Two bells in a school ring at 8 am. One bell rings after every 30 minutes and the other after every 40 minutes. If the school gets over at 2 pm, how many times in a day do the bells ring together?

A. 3

B. 4 ☒

C. 2

D. 5

Q37 Mathematics

Find the single discount equivalent to two successive discounts of 29% and 28%.

A. 47.39%

B. 46.03%

C. 48.88% ☒

D. 51.29%

Q38 Mathematics

A, B and C are three candidates in an election. A got 18% votes and B got 43% votes, whereas C was on second rank. If B won the election by 6,996 votes, then find the total number of votes.

A. 1,55,545

B. 1,61,230

C. 1,74,900 ☒

D. 1,57,980

Q39 Mathematics

A shopkeeper marks an article at ₹2,000 and offers a discount of 10%. What is the selling price?

A. ₹1,900

B. ₹1,850

C. ₹1,800 ☒

D. ₹1,950

Q40 Mathematics

The lengths of the parallel sides of a trapezium are 20 cm and 10 cm, respectively. The lengths of the two non-parallel sides are 13 cm each. Find the area (in cm^2) of the trapezium.

A. 160

B. 180 ☒

C. 140

D. 120

Q41 Mathematics

A metallic cylindrical pipe has outer radius 7 cm, inner radius 5 cm, and length 14 cm. Find the volume of the metal used in the pipe.

A. $352\pi \text{ cm}^3$ B. $336\pi \text{ cm}^3$ ☒C. $342\pi \text{ cm}^3$ D. $346\pi \text{ cm}^3$ **Q42 Mathematics**

Pipe A and Pipe B can fill a cistern together in 8 hours. Pipe B is 25% more efficient than Pipe A. Find the capacity of the cistern, if it is given that pipe A fills the cistern at a speed of 5 litres per minute.

A. 5400 litres ☒

B. 8240 litres

C. 4200 litres

D. 7000 litres

Q43 Mathematics

The ratio of the ages of A and B at present is 5 : 1. Five years earlier from now, the ratio was 6 : 1. Find the present age of B.

A. 25 years ☒

B. 35 years

C. 20 years

D. 30 years

Q44 Mathematics

A car travels from city X to city Y, covering the first 120 km at a speed of 50 km/h and the remaining 180 km at a speed of 80 km/h. Calculate the average speed for the entire journey. (round off your answer to two decimal places).

A. 63.52 km/h

B. 64.12 km/h

C. 64.92 km/h

D. 64.52 km/h ☒**Q45 Mathematics**

$(x - 2)^2$ is equal to:

A. $x^2 - 2x + 4$ B. $x^2 - 4x + 2$ C. $x^2 - 4x + 4$ ☒D. $x^2 + 4x + 4$ 

Q46 Mathematics

Compare P and Q, if $P = 5:2$ and $Q = 3:7$.

A. $P = Q$

B. $P < Q$

C. $P > Q$ ✓

D. $P = 2Q$

Q47 Mathematics

Simplify: $\sqrt{2061 - \sqrt{1268 + \sqrt{850 - 66}}}$

A. 45 ✓

B. 46

C. 44

D. 47

Q48 Mathematics

Simplify: $\tan^4 \theta + \tan^2 \theta$

A. $\sec^4 \theta + 2\sec^2 \theta$

B. $\sec^4 \theta - 2\sec^2 \theta$

C. $\sec^4 \theta - \sec^2 \theta$ ✓

D. $\sec^4 \theta + \sec^2 \theta$

Q49 Mathematics

A person has to cover a distance of 40 km in 5 hour. If he covers one — fourth of the distance in one — third of the total time, then what should his speed (in km/h) be to cover the remaining distance in the remaining time so that the person reaches the destination exactly on time?

A. 9 ✓

B. 13

C. 4

D. 6

Q50 Mathematics

The sum of all the interior angles of a polygon is 4500° . How many sides does the polygon have?

A. 24

B. 26

C. 27 ✓

D. 25



Q51 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

FVO 18, DTM 29, BRK 40, ZPI 51, ?

A. WNH 61

B. XNF 62

C. YNF 65

D. XNG 62

**Q52** General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

18 25 32 39 46 ?

A. 53



B. 52

C. 49

D. 56

Q53 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

WTQ 69 URO 76 SPM 83 QNK 90 ?

A. OKH 96

B. OPR 96

C. OLI 97



D. OMH 97

Q54 General Intelligence & Reasoning

HOCX is related to SZNI in a certain way based on the English alphabetical order. In the same way, ZGUP is related to KRFA. To which of the following options is GNBW related to, following the same logic?

A. THYU

B. RMKI

C. RYMH



D. RYHU

Q55 General Intelligence & Reasoning

In a row of 50 students facing North, Miku is 12th from the right end. If Pushkar is 5th to the left of Miku, what is Pushkar's position from the left end of the line?

A. 31st

B. 34th



C. 33rd

D. 32nd

Q56 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

336 327 318 309 300 ?

A. 285

B. 281

C. 289

D. 291

**Q57** General Intelligence & Reasoning

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).
Statements: All flutes are drums. All drums are guitars.
Conclusion (I): No guitar is a flute
Conclusion (II): Some guitars are flutes

A. Both conclusions (I) and (II) follow

B. Only conclusion (I) follows

C. Neither conclusion (I) nor (II) follows

D. Only conclusion (II) follows

**Q58** General Intelligence & Reasoning

Rohit starts from Point A and drives 15 km towards the West. He then takes a left turn, drives 11 km, turns left and drives 18 km. He then takes a left turn and drives 14 km. He takes a final left turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified).

A. 3 km to the South



B. 3 km to the North

C. 4 km to the North

D. 4 km to the South



Q59 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All books are pens.

Some pens are crayons.

Conclusion (I): All crayons are pens.

Conclusion (II): Some books are crayons.

A. Only conclusion (II) follows

B. Neither conclusion (I) nor (II) follows

C. Both conclusions (I) and (II) follow

D. Only conclusion (I) follows

Q60 General Intelligence & Reasoning

In a certain code language,

A + B means 'A is the sister of B'

A # B means 'A is the brother of B'

A × B means 'A is the wife of B'

A @ B means 'A is the father of B'

Based on the above, how is L related to R if 'L × O # V @ E + R'?

A. Father's brother's daughter

B. Sister

C. Mother

D. Father's brother's wife

Q61 General Intelligence & Reasoning

Six people, G, H, I, Q, R and S, are sitting in a straight line, facing north. Only two people sit to the right of Q. Only one person sits between Q and S. Only one person sits between H and R. R sits to the immediate left of Q. Only I sits to the right of G. How many people sit between H and G?

A. Two

B. One

C. Four

D. Three

Q62 General Intelligence & Reasoning

Refer to the given series and answer the question that follows. (All numbers are single digit numbers only.) Counting to be done from left to right only.

(Left) 5 7 9 4 2 1 4 7 9 3 2 6 8 5 4 1 9 5 4 3 2 (Right)

How many such even digits are there, each of which is immediately preceded by an even digit and also immediately followed by an even digit?

A. 1

B. 2

C. 3

D. 4

Q63 General Intelligence & Reasoning

Which two numbers should be interchanged to make the given equation correct?

$$(36 - 28) \times 3 + 9 \times 5 - (108 \div 4) + 42 = 96$$

(Note: Interchange should be done of the entire number and not individual digits of a given number.)

A. 4 and 3

B. 3 and 5

C. 36 and 42

D. 9 and 4

Q64 General Intelligence & Reasoning

Refer to the following letter series and answer the question.

(Left) F J L T M N C R P W X Z K O H A Y Q D G E B (Right)

How many letters appear after "Q" but before "E" in the given series?

A. Three

B. Four

C. Two

D. Five



Q65 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

77 - 3 - 80
12 - 4 - 16

A. 14 - 9 - 25

B. 11 - 1 - 23

C. 6 - 5 - 11



D. 20 - 13 - 43

Q66 General Intelligence & Reasoning

Seven people, S, Q, U, A, R, E and D are sitting in a row, facing north.

No one sits to the left of A. Only four people sit between A and S. Only three people sit to the right of R. U sits to the immediate left of E. D is not an immediate neighbor of R. Who sits at the rightmost end of the line?

A. D



B. E

C. A

D. S

Q67 General Intelligence & Reasoning

Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) 4 @ 3 % 5 \$ 1 # 6 & 9 * 5 + 1 ? 6 + = 5 \$ # 2 (Right)

If all the symbols are dropped from the series, which of the following will be seventh from the right?

A. 6



B. 5

C. 9

D. 3

Q68 General Intelligence & Reasoning

Piyush starts from Point X and drives 6 km towards east. He then takes a left turn, drives 3 km, turns right, and drives 5 km. He then takes a right turn and drives 3 km. Finally, he takes a right turn, drives 5 km, and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point X again? (All turns are 90 degrees turns only unless specified.)

A. 3 km towards east

B. 4 km towards north

C. 4 km towards east

D. 6 km towards west

**Q69 General Intelligence & Reasoning**

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. GN - LS

B. XF - CK

C. VC - BH



D. MD - RI

Q70 General Intelligence & Reasoning

MPLQ is related to SVRW in a certain way based on the English alphabetical order. In the same way, ORNS is related to UXTY. To which of the following is FIEJ related to, following the same logic?

A. LOKQ

B. LNKQ

C. LNKP

D. LOKP

**Q71 General Intelligence & Reasoning**

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. LR - PV

B. EK - IP



C. PC - TG

D. GU - KY



Q72 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

167 176 194 221 257 ?

A. 301

B. 303

C. 304

D. 302

**Q73 General Intelligence & Reasoning**

All 51 people are standing in a row facing north. Rekha is 13th from the left end while Ajay is 6th from the right end. How many people are there between Rekha and Ajay?

A. 32



B. 33

C. 34

D. 31

Q74 General Intelligence & Reasoning

Seven people, A, B, C, D, E, F and G are sitting in a row, facing north. F sits fifth from the right end of the row. Only three people sit to the right of C. D is the immediate neighbor of B and C. A sits to the right of E but left of F. How many people sit between G and A?

A. Three

B. One

C. Two

D. Four

**Q75 General Intelligence & Reasoning**

TOIL is related to BWQT in a certain way based on the English alphabetical order. In the same way, ZUOR is related to HCWZ. To which of the following options is XSMP related, following the same logic?

A. FAZS

B. FAUX



C. FAXW

D. FAXE

Q76 General Intelligence & Reasoning

In a certain code language, 'leaves turn brown' is coded as 'ka gs rl' and 'gather leaves daily' is coded as 'ny hf gs'. How is 'leaves' coded in the given language?

A. ka

B. rl

C. gs



D. hf

Q77 General Intelligence & Reasoning

Which two numbers should be interchanged to make the following equation correct?

$$(56 \div 14) \times 3 + 7 \times 9 - 15 \times 5 + 28 = 103$$

(Note: The entire number should be interchanged and not individual digits of a given number.)

A. 28 and 14

B. 5 and 7

C. 7 and 14



D. 56 and 28

Q78 General Intelligence & Reasoning

If 'D' stands for ' $\div$ ', 'E' stands for ' $\times$ ', 'F' stands for ' $+$ ' and 'G' stands for ' $-$ ', then what will come in place of the question mark (?) in the following equation?

$$24 E 2 D 4 F 5 G 3 = ?$$

A. 11

B. 14



C. 13

D. 12

Q79 General Intelligence & Reasoning

In a certain code language, 'ride waves carefully' is coded as 'el uw cb' and 'waves crash loud' is coded as 'sr cb vq'. How is 'waves' coded in the given language?

A. sr

B. cb



C. uw

D. el



Q80 General Intelligence & Reasoning

This question is based on the five, three-digit numbers given below.

(Left) 435 325 123 756 264 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

NOTE - All operations to be done from left to right.

What will be the resultant if the third digit of the highest number is added to the second digit of the lowest number?

A. 10

B. 9

C. 12

D. 8

**General Awareness**

20 Questions • Answer Key

Q81 General Awareness

Operation Alert, launched by the Border Security Force in August 2025, primarily aimed to strengthen security along which Indian border?

A. Assam border

B. Jammu and Kashmir border

C. Punjab border

D. Rajasthan border

**Q82 General Awareness**

Who set a javelin F42 world record (61.17 m) at the 2025 WPA Grand Prix?

A. Gurjar Mahendra



B. Sumit Antil

C. Ravi Rangoli

D. Pingane Mina Vilas

Q83 General Awareness

Which organisation is set to be established at GIFT City, Gandhinagar from the beginning of 2026 to strengthen India's artificial intelligence ecosystem through collaboration between government, industry, and academia?

A. National Artificial Intelligence Authority

B. Indian Institute of Artificial Intelligence

C. Indian AI Research Organization



D. Centre for Advanced Artificial Intelligence Research

Q84 General Awareness

What is the name of the bill passed by the West Bengal Assembly in June 2025 to cap healthcare expenses in private hospitals?

A. West Bengal Health Protection (Amendment) Bill, 2025

B. West Bengal Patient Safety (Amendment) Bill, 2025

C. West Bengal Medical Cost Transparency (Amendment) Bill, 2025

D. West Bengal Clinical Establishments (Registration, Regulation and Transparency) (Amendment) Bill, 2025

**Q85 General Awareness**

What is India's rank in the Climate Change Performance Index (CCPI) 2026?

A. 23rd



B. 33rd

C. 13th

D. 10th

Q86 General Awareness

Which senior Indian official attended the Shanghai Cooperation Organisation (SCO) Defence Ministers' Conclave in June 2025?

A. Rajnath Singh



B. Narendra Modi

C. Amit Shah

D. S Jaishankar



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Q87 General Awareness

Who among the following was the Player of the Tournament in the ICC Women's Cricket World Cup 2025?

- A. Deepthi Sharma ✓
- B. Jemimah Rodrigues
- C. Shafali Verma
- D. Smriti Mandhana

Q88 General Awareness

As per the 2023 Air Quality Life Index (AQLI) report by the Energy Policy Institute at the University of Chicago (EPIC), what is the reduction in life expectancy for the average Indian due to exposure to fine particulate air pollution (PM2.5)?

- A. 3.8 years
- B. 2.5 years
- C. 6.7 years
- D. 5.3 years ✓

Q89 General Awareness

Which country added India to its List of Qualifications Exempt from Assessment (LQEA) in June 2025?

- A. Canada
- B. New Zealand ✓
- C. Australia
- D. The United Kingdom

Q90 General Awareness

Which award highlights lifetime achievement in sports broadcasting, won by David Hill in 2025?

- A. Sports Business Journal' Laureus Media Honour
- B. Sports Basketball Award
- C. Sports Business Journal's Lifetime Achievement Award ✓
- D. Sports Emmy Journalism Award

Q91 General Awareness

Which of the following veteran Indian goalkeepers announced that he will retire after the Paris Olympics, ending an 18-year career during which he played a pivotal role in some of the team's historic moments?

- A. P R Sreejesh ✓
- B. Ramesh Babu
- C. M S Srinath
- D. Rajneesh Karmakar

Q92 General Awareness

What is the estimated capital expenditure allocation for FY2025-26?

- A. ₹12.63 lakh crore
- B. ₹10 lakh crore
- C. ₹9 lakh crore
- D. ₹11.21 lakh crore ✓

Q93 General Awareness

Which of the following authors won the Nobel Prize in Literature in 2025?

- A. George Orwell
- B. Ernest Hemingway
- C. László Krasznahorkai ✓
- D. John Steinbeck

Q94 General Awareness

The Quality Council of India (QCI), the national custodian of accreditation in India, commemorated the World Accreditation Day, 2025, in which city?

- A. Jaipur
- B. Indore
- C. New Delhi ✓
- D. Bhopal

Q95 General Awareness

Which of the following national parks was designated as 58th tiger reserve of India in March 2025?

- A. Pench National Park
- B. Panna National Park
- C. Madhav National Park ✓
- D. Kuno National Park

Q96 General Awareness

'Strengthening Global South Cooperation for a More Inclusive and Sustainable Governance' was the theme of the 17th summit of which international organization held in July 2025?

- A. BRICS ✓
- B. ASEAN
- C. NATO
- D. G20



Q97 General Awareness

Launched in March 2024 in India, what is the name of the platform that allows individuals to report fraudulent communications, including calls, texts, and WhatsApp messages?

- A. Proctur
- B. Chakshu
- C. Podia
- D. Ruzuku

Q98 General Awareness

In which of the following National Parks did an India-born female cheetah give birth to five cubs in November 2025, marking a major milestone under Project Cheetah?

- A. Gir National Park
- B. Kuno National Park
- C. Bandipur National Park
- D. Ranthambore National Park

Q99 General Awareness

What is the projected fiscal deficit for FY2025–26 as per the Union Budget 2025-26?

- A. 4.8% of GDP
- B. 4.4% of GDP
- C. 3.9% of GDP
- D. 5.1% of GDP

Q100 General Awareness

What is the name of India's first 5.5 Gen stealth aircraft showcased by DRDO at Aero India 2025?

- A. TEDBF
- B. LCA Tejas Mk-2
- C. Advanced Medium Combat Aircraft
- D. Advanced Light Weight Torpedo



General Science

25 Questions • Answer Key

Q1 General Science

Arrange the following in the correct sequences of development after fertilisation in humans.

Embryo, Zygote and Foetus

- A. Zygote - Foetus - Embryo
- B. Embryo - Foetus - Zygote
- C. Zygote - Embryo - Foetus ✓
- D. Foetus - Embryo - Zygote

Q2 General Science

A decrease in oxygen availability in the environment is most likely to first impact which step of aerobic respiration in animal cells?

- A. Electron transport chain ✓
- B. Glycolysis
- C. Krebs cycle
- D. Lactic acid fermentation

Q3 General Science

Which of the following quantities determines the magnitude of the buoyant force on a body?

- A. Density of the fluid and volume displaced ✓
- B. Temperature of the fluid
- C. Surface area of the body
- D. Weight of the body

Q4 General Science

The law of conservation of mass states that:

- A. Mass always decreases during a reaction
- B. Mass can neither be created nor destroyed in a chemical reaction ✓
- C. Matter can be destroyed during reactions
- D. Matter can be created in reactions

Q5 General Science

A girl clapped her hands near a cliff and heard the echo after 8 s. What is the distance of the cliff from the girl if the speed of the sound is taken as 320 m s^{-1} ?

- A. 80 m
- B. 320 m
- C. 1280 m ✓
- D. 640 m

Q6 General Science

Corrosion of iron is commonly known as rusting, and it requires:

- A. water and atmospheric oxygen ✓
- B. iron and very cold temperatures
- C. salt and strong acid presence
- D. moisture and high acidity

Q7 General Science

The concentration of H^+ ions in a solution primarily determines its:

- A. Level of gas compressibility factor
- B. Degree of acidity in aqueous phase ✓
- C. Extent of metallic bonding strength
- D. Rate of solid crystal formation

Q8 General Science

A compound is a substance in which elements are:

- A. Physically mixed in any ratio
- B. Easily separable
- C. Mixed temporarily
- D. Chemically combined in fixed proportion ✓

Q9 General Science

Which of the following salts will have a pH close to 7 when dissolved in water?

- A. NH_4Cl
- B. NaCl ✓
- C. Na_2CO_3
- D. CH_3COONa



Q10 General Science

What type of image is always formed by a concave lens, no matter where the object is placed?

- A. Real, inverted, and enlarged
- B. Real, erect, and same size
- C. Virtual, erect, and diminished ✓
- D. Virtual, inverted, and enlarged

Q11 General Science

Which of the following circuit elements is used to vary the amount of current following through a closed circuit?

- A. Ammeter
- B. Voltmeter
- C. Plug key
- D. Rheostat ✓

Q12 General Science

If the distance-time graph of an object is a straight line parallel to the time axis, what is the object's speed?

- A. Uniform
- B. Zero ✓
- C. Increasing
- D. Non-zero constant

Q13 General Science

In electrolytic refining, the impure metal is used as the:

- A. electrolyte
- B. separator
- C. cathode
- D. anode ✓

Q14 General Science

The random wavering or flickering of objects viewed through a turbulent stream of hot air rising above a fire or radiator is an effect of _____.

- A. Atmospheric refraction on a small scale ✓
- B. Tyndall effect
- C. Heat radiation causing visual distortion
- D. Diffraction of light

Q15 General Science

The SI unit of average speed is:

- A. m/s ✓
- B. m/s²
- C. km/hr
- D. cm/s

Q16 General Science

Two children of the same parents resemble each other but are not exactly alike because _____.

- A. each of them shows variation in their DNA copying mechanisms
- B. they show different combinations of the genetic variation existing in their parents ✓
- C. each of them inherits all genetic characters from one parent only
- D. their parents show very little genetic variation

Q17 General Science

What is the advantage of cross-breeding local and exotic cattle breeds?

- A. Lower adaptability to environment
- B. Denser wool yield
- C. Higher meat and milk yield ✓
- D. Faster reproduction rate

Q18 General Science

If the current in a straight conductor is doubled, the magnetic field at a given distance from it:

- A. Halves
- B. Doubles ✓
- C. Becomes zero
- D. Remains the same

Q19 General Science

How is the change in Gravitational Potential Energy (ΔPE_g) of a system related to the work (W_g) done by the gravitational force?

- A. The two are unrelated
- B. $W_g = -\Delta PE_g$ ✓
- C. $W_g = \Delta PE_g$
- D. $W_g = 0$



Q20 General Science

What is the method of removal of metabolic waste in many unicellular organisms?

- A. Through the use of special organs
- B. Through filtration through kidneys
- C. Through osmosis
- D. Through a simple diffusion process ✓

Q21 General Science

Which statement best describes the Law of Constant Proportion of the compound water?

- A. The total mass of products is always greater than reactants in a reaction.
- B. The properties of compounds are the same as those of elements.
- C. A chemical compound always contains the same elements combined in a fixed ratio by mass. ✓
- D. Elements combine in any ratio to form compounds.

Q22 General Science

Which of the following plants is a weed?

- A. *Vigna unguiculata*
- B. *Cyperus rotundus* ✓
- C. *Oryza sativa*
- D. *Pisum sativum*

Q23 General Science

Copper reacts with moist carbon dioxide in the air and slowly loses its shiny brown surface and gains a _____ colour coating of basic copper carbonate.

- A. green ✓
- B. black
- C. white
- D. reddish brown

Q24 General Science

Which of the following best explains the division of labour seen in multicellular organisms?

- A. All cells perform the same function in an organism
- B. Each body part is made up of a single cell
- C. Different cells have specialized functions ✓
- D. Multicellular organisms have only one type of cell

Q25 General Science

Which contraceptive method is most appropriate for a couple who wishes to avoid both hormonal and surgical methods?

- A. Using barrier methods like condoms ✓
- B. Natural methods (periodic abstinence)
- C. Taking oral pills
- D. Inserting a copper-T

Mathematics

25 Questions • Answer Key

Q26 Mathematics

A shopkeeper marks an article at ₹ x and offers a discount of 54% on the marked price. He sells it for ₹437 after charging VAT of 52% on the discounted price. What is the value of x ?

- A. 200
- B. 500
- C. 600
- D. 625 ✓

Q27 Mathematics

The average price of three items of furniture is ₹16,425. If their prices are in the ratio 3 : 5 : 7, the price of the costliest item (in ₹) will be:

- A. 7,665
- B. 5,475
- C. 9,855
- D. 22,995 ✓

Q28 Mathematics

Find the single discount equivalent to two successive discounts of 5% and 8%.

- A. 14.63%
- B. 10.8%
- C. 12.6% ✓
- D. 14.67%



Q29 Mathematics

P and Q together can fill a cistern with water in 8 hours. If P alone can fill the cistern with water in 20 hours, then in how many hours will Q alone fill three-fourth of the same cistern with water?

A. 10



B. 11

C. 21

D. 20

Q30 Mathematics

The compound interest on ₹5,625 for 6 months at 16% per annum, interest being compounded quarterly is:

A. ₹746

B. ₹459



C. ₹955

D. ₹702

Q31 Mathematics

A field is in the shape of a quadrilateral. One of its diagonals is 10 m long. The perpendicular distances from the other two vertices to this diagonal are 12 m and 13 m, respectively. What is the area of the field?

A. 125 m²



B. 130 m²

C. 110 m²

D. 100 m²

Q32 Mathematics

What is the L.C.M. of 45, 63 and 81?

A. 2835



B. 2385

C. 2545

D. 2455

Q33 Mathematics

₹8,442 is divided among S, B, and C in such a way that if ₹7, ₹73, and ₹68 be deducted from their respective shares, they have money in the ratio 6 : 7 : 16. Find the difference between the B's and C's original shares.

A. ₹2,524

B. ₹2,624

C. ₹2,674

D. ₹2,569

**Q34 Mathematics**

The average of 6.5, 10.7, 20.2 and a is 17. The value of a is:

A. 32.6

B. 29.6

C. 31.6

D. 30.6

**Q35 Mathematics**

Simplify $(6pq + 14q)^2 - (6pq - 14q)^2$.

A. 168p²q²

B. 336p²q

C. 336pq²



D. 168pq²

Q36 Mathematics

A sold an article to B at a loss of 12%. B sold it to C at a profit of 20%. If C paid ₹1,122 to B, find the cost price of the article for A.

A. ₹1,062.50



B. ₹1,038.80

C. ₹985.30

D. ₹999.70

Q37 Mathematics

The volume (in m³) of a cube with edges of 19 m is:

A. 6957

B. 6859



C. 6696

D. 6748

Q38 Mathematics

A store originally sold a jacket for ₹120. After a 15% increase in price, what is the new price of the jacket?

A. ₹138



B. ₹18

C. ₹102

D. ₹120



Q39 Mathematics

The ratio of the present ages of two friends, A and B, is 3:4. Four years ago, the ratio of their ages was 7:10. Find their present ages.

A. 18 years and 24 years



B. 12 years and 16 years

C. 15 years and 20 years

D. 21 years and 28 years

Q40 Mathematics

An 11-digit number 8732326687X is divisible by 18. What is the value of X?

A. 1

B. 3

C. 5

D. 2

**Q41 Mathematics**

If the ages of 2 members of a family are in the ratio 6:1, and the average of their ages is 35 years. Find the total of their ages after 11 years.

A. 88 years

B. 83 years

C. 92 years



D. 82 years

Q42 Mathematics

Solve the following.

$$\left[\frac{1}{6} \times \{(36 \div 6) + (9 \div 3) - 3\} + 18\right]$$

A. 26

B. 23

C. 19



D. 20

Q43 Mathematics

The volume of a solid cylinder is 2926 cm^3 and its height is 19 cm. What is the total surface area of the solid cylinder?

$\left(\text{Use } \pi = \frac{22}{7}\right)$

A. 1175 cm²

B. 1121 cm²

C. 1106 cm²

D. 1144 cm²



Q44 Mathematics

Arman runs 8.8 km in 1 hour 20 minutes. How long will he take to run 26.4 km at double the previous speed?

A. 3 hours

B. 2 hours



C. $2\frac{3}{4}$ hours

D. $1\frac{1}{2}$ hours

Q45 Mathematics

A runs $\frac{5}{2}$ times as fast as B. If A gives B a start of 80 meters, how far from A's starting point should the winning post be so that A and B reach it at the same time?

A. 170 m

B. $133\frac{1}{3}$ m



C. 176 m

D. $181\frac{2}{3}$ m

Q46 Mathematics

The angle of elevation of the top of a tower from a point on the ground 48 m from the foot of the tower is 30° . Find the height of the tower in metres.

A. $16\sqrt{3}$



B. $14\sqrt{3}$

C. $12\sqrt{3}$

D. $4\sqrt{3}$

Q47 Mathematics

By how much is 60% of 45 greater than $\frac{1}{5}$ of 45?

A. 15

B. 16

C. 12

D. 18



Q48 Mathematics

If the numerator of a fraction is increased by 25% and the denominator is decreased by 9%, the value of new fraction becomes $\frac{5}{7}$. Which of the following is the correct statement w.r.t. the original fraction?

A. The difference between denominator and numerator is 12



B. The value of denominator is 13

C. The sum of numerator and denominator is 37

D. The numerator is greater than denominator by 10

Q49 Mathematics

Three people, X, Y and Z, are working together to plant trees in a garden. X and Y together can complete the job in 20 days. Y and Z together can complete the job in 24 days. Z and X together can complete the job in 30 days. How long will it take for X, Y and Z working together to complete the job?

A. 18 days

B. 12 days

C. 16 days



D. 14 days

Q50 Mathematics

The cost of 4 keychains and 3 wallets is ₹75. The cost of 2 keychains and 2 wallets is ₹48. What is the cost of 3 keychains and 1 wallet?

A. ₹32

B. ₹34

C. ₹30



D. ₹24

General Intelligence & Reasoning

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

What should come in place of ? in the given series in order to make it logically complete?
JF125 KE64 MC27 PZ8 ?

A. TW1

B. TV1



C. SV1

D. TV8

Q52 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

MJB 9, QNF 16, URJ 23, YVN 30, ?

A. CYR 42

B. CZR 37



C. AYR 37

D. BZS 36



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Q53 General Intelligence & Reasoning

VTQS is related to PNKM in a certain way. In the same way, PMKF is related to JGEZ. To which of the given options is ROLG related, following the same logic?

A. MIFA

B. LIFA

C. LJEB

D. MJEM

Q54 General Intelligence & Reasoning

Each of the digits in the number 7231456 is arranged in the ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

A. One

B. Two

C. Three

D. None

Q55 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance from commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements: All cushions are pillows. No pillow is a blanket. Some blankets are envelopes.

Conclusion I: Some envelopes are pillows.

Conclusion II: No cushion is a blanket.

A. Only Conclusion II follows.

B. Both Conclusions I and II follow.

C. Only Conclusion I follows.

D. Neither Conclusion I nor II follows.

Q56 General Intelligence & Reasoning

In a row of 85 students facing north, Rohan's position is 35th from the left and Shekhar's position is 25th from the right. Kuldeep is sitting exactly between both of them. Find the position of Kuldeep from Rohan when counted to the right of Rohan.

A. 12th

B. 14th

C. 13th

D. 15th

Q57 General Intelligence & Reasoning

In a certain code language, 'FIRM' is coded as '5713' and 'MEAN' is coded as '2148'. What is the code for 'M' in the given code language?

A. 1

B. 2

C. 3

D. 4

Q58 General Intelligence & Reasoning

RUOT is related to VYSX in a certain way based on the English alphabetical order. In the same way, MPJO is related to QTNS. To which of the given options is HKEJ related, following the same logic?

A. LPIM

B. LOIN

C. LOIM

D. LPIN

Q59 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

79 83 92 108 133 ?

A. 170

B. 168

C. 169

D. 171

Q60 General Intelligence & Reasoning

What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$99 \div 3 - 15 \div 5 + 156 \times 2 - 12 \times 4 - 16 \div 8 + 11 = ?$

A. 390

B. 414

C. 449

D. 361



Q61 General Intelligence & Reasoning

In a certain code language,
 A + B means 'A is the son of B',
 A - B means 'A is the brother of B',
 A x B means 'A is the wife of B', and
 A ÷ B means 'A is the father of B'.

Based on the above, how is D related to J if 'D ÷ F x G + H - J'?

- A. Brother's son's wife's brother
- B. Sister's son's wife's brother
- C. Sister's son's wife's father
- D. Brother's son's wife's father**

Q62 General Intelligence & Reasoning

What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$97 - 46 + 12 \div 8 \times 2 = ?$$

- A. 99
- B. 95**
- C. 102
- D. 97

Q63 General Intelligence & Reasoning

A,B,C,D,E,F and G are sitting in a straight line facing North. Only E sits to the left of B. Only four people sit between E and C. Only G sits between F and D and F is not an immediate neighbor of C. How many people sit to the right of D?

- A. 4
- B. 2**
- C. 3
- D. 1

Q64 General Intelligence & Reasoning

In a certain code language, 'chase clouds away' is coded as 'hl mt dv' and 'clouds block sun' is coded as 'ya co hl'. How is 'clouds' coded in the given language?

- A. mt
- B. hl**
- C. dv
- D. ya

Q65 General Intelligence & Reasoning

In a row of 55 people facing north, Tanmay sits 18th from the left end. If only 17 people sit between Yash and Tanmay, then what is Yash's position from the right end of the row?

- A. 19th
- B. 21st
- C. 18th
- D. 20th**

Q66 General Intelligence & Reasoning

EADI is related to KGJO in a certain way based on the English alphabetical order. In the same way, IEHM is related to OKNS. To which of the following is MILQ related to, following the same logic?

- A. SPRW
- B. SPRX
- C. SORW**
- D. SORX

Q67 General Intelligence & Reasoning

Seven people, N, O, P, Q, R, S and T are sitting in a straight row, facing north. Only four people sit to the right of S. T sits second to the left of N. R sits fourth to the left of P. Q sits to the immediate right of S. Who sits at the extreme left end of the line?

- A. Q
- B. R
- C. O**
- D. T

Q68 General Intelligence & Reasoning

Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion/s logically follow/s from the given statements.

Statements: All lotions are creams. All creams are shampoos. No cream is a facewash.

Conclusion (I) : No shampoo is a facewash.
 Conclusion (II) : No lotion is a facewash.

- A. Both conclusions (I) and (II) follow
- B. Only conclusion (I) follows
- C. Neither conclusion (I) nor (II) follows
- D. Only conclusion (II) follows**



Q69 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting / multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(14 280 5)
(7 336 12)

- A. 12 578 10
- B. 21 336 4
- C. 13 992 11
- D. 18 876 9

Q70 General Intelligence & Reasoning

This question is based on the five, three-digit numbers given below.

(Left) 423 253 174 324 749 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

NOTE - All operations to be done from left to right.

If 2 is added to the first digit of every number, in how many numbers will the first digit be exactly divisible by the second digit?

- A. Two
- B. None
- C. Three
- D. One

Q71 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only.)

(Left) 7 4 1 2 4 9 8 5 3 6 1 5 2 6 5 4 8 3 9 6 5 2 3 9 1 4 2
(Right)

If all the odd numbers are dropped from the series, which of the following will be seventh from the right?

- A. 4
- B. 6
- C. 2
- D. 8

Q72 General Intelligence & Reasoning

What should come in place of '?' in the given series?
158 171 186 204 226 ?

- A. 253
- B. 255
- C. 249
- D. 251

Q73 General Intelligence & Reasoning

Find out the correct alternative that when filled in the blanks in the same sequence will make the series logically complete.

BA_C F_HG _ILK NM_O R_TS

- A. DEJPP
- B. DIJPQ
- C. DELPQ
- D. DEJPQ

Q74 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- A. YCF
- B. GKN
- C. TXA
- D. JOR

Q75 General Intelligence & Reasoning

T, U, V, W, X and Y are sitting around a circular table facing the centre. Y is an immediate neighbour of both T and V. U is sitting to the immediate right of V. W is sitting second to the left of Y. How many people sit between X and Y when counted from the right of X?

- A. Two
- B. One
- C. Three
- D. Four



Q76 General Intelligence & Reasoning

Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster)

A. TSQ

B. BAY

C. ONL

D. GFE

**Q77 General Intelligence & Reasoning**

Mr. Apso starts from point A and drives 7 km towards north. He then takes a right turn, drives 4 km, turns right and drives 9 km. He then takes a right turn and drives 8 km. He takes a final right turn, drives 2 km and stops at point P. How far (shortest distance) and towards which direction should he drive in order to reach point A again? (All turns are 90-degree turns only unless specified.)

A. 5 km to the east

B. 2 km to the west

C. 4 km to the east



D. 3 km to the west

Q78 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

173 166 159 152 145 ?

A. 139

B. 137

C. 138



D. 136

Q79 General Intelligence & Reasoning

Refer to the following letter series and answer the question.

(Left) M R Y T O N B F W A H L D X G Z J Q V E P K (Right)

How many vowels are there in the above series?

A. Three



B. Four

C. Five

D. Six

Q80 General Intelligence & Reasoning

This question is based on the five, three-digit numbers given below.

(Left) 687 652 691 287 286 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

NOTE - All operations to be done from left to right.

What will be the resultant if the second digit of the highest number is added to the third digit of the lowest number?

A. 19

B. 15



C. 17

D. 16

General Awareness

20 Questions • Answer Key

Q81 General Awareness

The National Frequency Allocation Plan, 2025 (NFAP-2025) primarily deals with the allocation of which of the following?

A. Radio-frequency spectrum



B. Postal codes

C. Railway land-use frequencies

D. Electric vehicle charging bands

Q82 General Awareness

The Right to Disconnect Bill, 2025, seeks to establish which principle in the modern digital workplace?

A. Clear work-life boundaries



B. Employer control over digital platforms

C. Uniform labour laws

D. Mandatory overtime compensation



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Q83 General Awareness

The 9th Asian Winter Games were held in February, 2025, with athletes from 34 countries, in:

- A. Kyrgystan
- B. Uzbekistan
- C. China ✓
- D. Qatar

Q84 General Awareness

In 2025, which legendary Indian cricketer was inducted into the ICC Hall of Fame along with Matthew Hayden and Hashim Amla?

- A. Virat Kohli
- B. Rahul Dravid
- C. MS Dhoni ✓
- D. Sourav Ganguly

Q85 General Awareness

Who among the following was appointed as the Chief Justice of India with effect from 24 November 2025?

- A. Justice D.Y. Chandrachud
- B. Justice B.R. Gavai
- C. Justice Surya Kant ✓
- D. Justice Sanjiv Khanna

Q86 General Awareness

What is the role of the Centralised Information Management System (CIMS) which was available to the regulated entities (REs) on or before May 13, 2025?

- A. Tracking mobile apps
- B. Monitoring tax payments
- C. Managing digital data ✓
- D. Filing complaints online

Q87 General Awareness

Which types of equipment were included in the new defence acquisitions approved by India's Defence Acquisition Council in 2025?

- A. Stealth fighter jets and hypersonic glide vehicles
- B. Aircraft carriers and long-range cruise missiles
- C. Submarines and satellite-based surveillance systems
- D. Amphibious warships, missiles and swarm drones ✓

Q88 General Awareness

At which event did the Vice-President of India, C. P. Radhakrishnan, deliver an inaugural address emphasizing that climate action is an opportunity, not a constraint?

- A. International Solar Alliance Meet 2026
- B. Bharat Climate Forum 2026 ✓
- C. India Energy Summit 2026
- D. Global Green Growth Forum 2026

Q89 General Awareness

During the August 2025 Monetary Policy Committee (MPC) review, what revision did the Reserve Bank of India (RBI) make to its inflation forecast for FY 2025-26?

- A. Kept unchanged at 3.7%
- B. Lowered to 3.1% ✓
- C. Slashed sharply to 2.5%
- D. Revised upward to 4.5%

Q90 General Awareness

The DRAVYA portal, launched in 2025 as a digital knowledge repository for medicinal substances, was initiated by which ministry?

- A. Ministry of Biotechnology
- B. Ministry of Ayush ✓
- C. Ministry of Education
- D. Ministry of Pharmaceuticals

Q91 General Awareness

Which of the following ranked as the top national park, with a score of 92.7%, in the Union Environment Ministry's Management Effectiveness Evaluation for the 2020-25 cycle?

- A. Kanha National Park
- B. Manas National Park
- C. Eravikulam National Park ✓
- D. Bandipur National Park

Q92 General Awareness

Which landmark treaty was adopted by WHO member states on 20 May 2025, aiming to strengthen global pandemic preparedness?

- A. Global Vaccine Agreement
- B. International Health Regulations (IHR)
- C. Global Health Security Pact
- D. WHO Pandemic Agreement ✓



Q93 General Awareness

What is the maximum financial support provided for new construction of a tribal homestay unit under the Swadesh Darshan Scheme in April 2025?

- A. ₹3 Lakh
- B. ₹4 Lakh
- C. ₹7 Lakh
- D. ₹5 Lakh

**Q94 General Awareness**

In October 2025, which of the following cities of Vietnam hosted the high-level signing ceremony of the United Nations Convention against Cybercrime, where 72 UN member states signed the deal?

- A. Can Tho
- B. Dalat
- C. Vinh
- D. Hanoi

**Q95 General Awareness**

Who among the following is known affectionately as "*Bihar Kokila*" and "*Swar Kokila*"?

- A. Payal Singh
- B. Bharat Byas
- C. Chandan
- D. Sharda Sinha

**Q96 General Awareness**

Which javelin thrower became the first from India to throw beyond 90 m internationally in May 2025?

- A. Shivpal Singh
- B. Sachin Yadav
- C. Abdul Khaliq
- D. Neeraj Chopra

**Q97 General Awareness**

Who was awarded the Sahitya Akademi Award 2024 for his book "*Ik Hor Ashwthama*" in the Dogri language?

- A. Dalip Kaur Tiwana
- B. Jaswant Singh
- C. Chaman Arora
- D. Shiv Kumar Batalvi

**Q98 General Awareness**

What percentage of districts in the North Eastern Region showed an increase in their composite SDG Index score as per the second edition of the North Eastern Region (NER) District Sustainable Development Goals (SDG) Index Report (2023-24) released by NITI Aayog in July 2025?

- A. 95%
- B. 65%
- C. 75%
- D. 85%

**Q99 General Awareness**

What major reform did the Government of India implement to simplify workers' rights and labour law compliance in 2025?

- A. Expansion of the Minimum Wages Act only
- B. Introduction of universal basic income
- C. Merger of 29 labour laws into four Labour Codes
- D. Elimination of trade unions and withdrawal of their legal recognition

**Q100 General Awareness**

Which Indian state finished at the top of the medal tally in the Khelo India Para Games 2025?

- A. Tamil Nadu
- B. Maharashtra
- C. Uttar Pradesh
- D. Haryana



General Science

25 Questions • Answer Key

Q1 General Science

When a drop of ink is added to water and left undisturbed, the ink gradually spreads throughout the water. Which property of matter does this observation best demonstrate?

- A. Fixed positions of particles
- B. Continuous movement of particles ✓
- C. Spaces between particles
- D. Attraction between particles

Q2 General Science

Which statement best defines a combination reaction?

- A. Two or more reactants combine to form a single product. ✓
- B. Two compounds exchange ions to form new compounds.
- C. Two reactants break down into simpler products.
- D. One element displaces another element from its compound.

Q3 General Science

What is a colloidal solution?

- A. Transparent mixture with gases only
- B. Uniform mixture with large particles
- C. Heterogeneous mixture with fine particles ✓
- D. Mixture in which particles fully dissolve and settle

Q4 General Science

The heating effect of electric current is least in _____.

- A. Copper ✓
- B. Nichrome
- C. Iron
- D. Tungsten

Q5 General Science

What is the typical oxide used along with aluminium in a thermite reaction?

- A. Copper oxide
- B. Iron (III) oxide ✓
- C. Zinc oxide
- D. Magnesium oxide

Q6 General Science

Which of the following types of ore is pyrite?

- A. Nitrate
- B. Halide
- C. Oxide
- D. Sulphide ✓

Q7 General Science

The distance between the pole and focus of a concave mirror is 30 cm. A real and inverted image is formed by this mirror on a screen at 40 cm from the pole of this mirror. What will be the object distance?

- A. - 120/7 cm
- B. - 120 cm ✓
- C. + 120/7 cm
- D. + 120 cm

Q8 General Science

In household electricity supply, which of the following statements correctly describes the colour codes of the wires?

- A. The live wire is green, the neutral wire is red, and the earth wire is black
- B. The live wire is blue, the neutral wire is green, and the earth wire is red
- C. The live wire is red, the neutral wire is black, and the earth wire is green ✓
- D. The live wire is black, the neutral wire is green, and the earth wire is blue

Q9 General Science

Which of the following organisms shows the phenomenon of regeneration?

- A. Planaria ✓
- B. House fly
- C. Mosquito
- D. Honey bee



Q10 General Science

If the velocity of a car increases from 20 m/s to 40 m/s in 4 seconds, the acceleration of the car is ____.

A. 5 m/s²



B. 5 m/s

C. 10 m/s²

D. 10 m/s

Q11 General Science

In a longitudinal wave, particle's motion is ____.

A. parallel to the wave direction



B. perpendicular to the wave motion

C. random

D. circular

Q12 General Science

Baking soda releases which gas on heating?

A. CO₂



B. O₂

C. N₂

D. H₂

Q13 General Science

Which of the following is an example of addition reaction?

A. Hydrolysis of acetic acid

B. Dehydration of alcohol

C. Chlorination of methane

D. Hydrogenation of ethene

**Q14 General Science**

A race car starting from rest accelerates uniformly. If the car covers 22.5 m in the 5th second of its motion, what is the total distance covered at the end of 10 seconds?

A. 250 m



B. 450 m

C. 300 m

D. 375 m

Q15 General Science

A flexible support to developing plant parts is provided by ____.

A. Chlorenchyma

B. Phloem

C. Collenchyma



D. Xylem

Q16 General Science

Fill in the blanks with the correct sequence of organs.

Urine is formed in the ____ → passes through the ____ → stored in the ____ → and finally released through the ____.

A. Kidney → Ureter → Urinary bladder → Urethra



B. Urinary bladder → Kidney → Ureter → Urethra

C. Ureter → Kidney → Urethra → Urinary bladder

D. Urethra → Urinary bladder → Ureter → Kidney

Q17 General Science

In which state of matter is the space between particles maximum ?

A. Liquid

B. Solid

C. Gas



D. All have equal space

Q18 General Science

Which of the following conditions must be satisfied for work to be done according to science?

A. Only a force is applied, even if the object does not move.

B. A force must act on an object, and the object must be displaced.



C. The object is at rest, and a force is applied.

D. Only the object moves, even if no force is applied.

Q19 General Science

Imagine a country continues to use CFCs despite the global agreement. What could be the consequences for that country and the world?

A. Environmental harm and global criticism



B. Faster industrial development

C. Increase in rainfall

D. No effect, as other countries have stopped using CFCs



Q20 General Science

What role does the placenta play during the development of the embryo in the human female reproductive system?

- A. It is the location where fertilisation of egg and sperm occurs.
- B. It produces eggs needed for fertilisation.
- C. It facilitates the exchange of nutrients and wastes between mother and embryo. ✓
- D. It unites the two oviducts into the uterus.

Q21 General Science

Which of the following is NOT caused by atmospheric refraction?

- A. Reddish colour of sun at sunrise / sunset ✓
- B. Advanced sunrise and delayed sunset
- C. Twinkling of stars
- D. Sun appearing higher in sky than its actual geometric position

Q22 General Science

Which cells in xylem are primarily responsible for the vertical transport of water and minerals in plants?

- A. Xylem fibres
- B. Tracheids and vessels ✓
- C. Sieve tubes
- D. Companion cells

Q23 General Science

Herbicides protect crops by _____.

- A. Killing fungi
- B. Killing bacteria
- C. Killing insects
- D. Killing weeds ✓

Q24 General Science

What is the most important condition for successful fragmentation reproduction in Spirogyra?

- A. Availability of a fully developed vascular system
- B. The ability of fragments to form seeds
- C. Each fragment possessing the capability to perform basic life functions ✓
- D. Presence of reproductive organs in each fragment

Q25 General Science

An object is thrown vertically upwards and rises to a height of 20 m. What was the velocity with which the object was thrown? (Take $g = 10 \text{ m/s}^2$).

- A. 30 m/s
- B. 10 m/s
- C. 40 m/s
- D. 20 m/s ✓

Mathematics

25 Questions • Answer Key

Q26 Mathematics

The difference between a single discount of 46% and two successive discounts of 30% and 20% on the marked price of an article is ₹256. Find the marked price of the article (in ₹).

- A. 12,200
- B. 12,800 ✓
- C. 12,600
- D. 12,400

Q27 Mathematics

There are 156 boy students and 143 girl students in a school. The principal wants to divide them in sections, such that a section can have only boys or only girls. If all sections should have the same number of students, and the principal wants to have as fewer sections as possible, how many sections would be there in the school?

- A. 23 ✓
- B. 25
- C. 43
- D. 45



Q28 Mathematics

Find the volume of a cuboid whose length, breadth and height are in the ratio 4 : 3 : 2 and total surface area is 832 cm².

A. 1586 cm³

B. 1556 cm³

C. 1536 cm³ ✓

D. 1516 cm³

Q29 Mathematics

₹13,525 is divided among A, B, and C in such a way that if ₹29, ₹70, and ₹28 be deducted from their respective shares, they have money in the ratio 19 : 6 : 8. Find the difference between the B's and C's original shares.

A. ₹712

B. ₹662

C. ₹762

D. ₹770 ✓

Q30 Mathematics

Successive discounts of 40% and 15% are equivalent to a single discount of _____.

A. 49% ✓

B. 50%

C. 52%

D. 51%

Q31 Mathematics

The value of $13^3 - 8^3$ is:

A. 1685 ✓

B. 1725

C. 1430

D. 1769

Q32 Mathematics

In a quadrilateral ABCD, $\angle A = 36^\circ$ and $\angle B = 93^\circ$. The bisectors of $\angle C$ and $\angle D$ meet at O. What is the measure of $\angle DOC$?

A. 68°

B. 62°

C. 64.5° ✓

D. 69.5°

Q33 Mathematics

The number of two-digit numbers divisible by 6 is:

A. 18

B. 15 ✓

C. 16

D. 12

Q34 Mathematics

Find the single discount equivalent to two successive discounts of 28% and 16%.

A. 43.51%

B. 39.52% ✓

C. 43.38%

D. 39.92%

Q35 Mathematics

The ratio of incomes of two persons is 8:5 and the ratio of their expenditure is 2:1. If each of them manages to save ₹160 per month, find the difference of their monthly income.

A. ₹220

B. ₹260

C. ₹240 ✓

D. ₹200

Q36 Mathematics

Evaluate the given expression.

$$35 - [25 - \{31 - (21 - 11 + 9)\}]$$

A. 19

B. 22 ✓

C. 25

D. 21

Q37 Mathematics

If the radius of a sphere is 3 cm, then its surface area is:

A. $36\pi\text{ cm}^2$ ✓

B. $98\pi\text{ cm}^2$

C. $49\pi\text{ cm}^2$

D. $72\pi\text{ cm}^2$



Q38 Mathematics

If 66% of the first number is equal to three-fifths of the second number, what is the ratio of the first number to the second number?

A. 9 : 14

B. 10 : 11



C. 5 : 7

D. 8 : 11

Q39 Mathematics

What is the mode of the following data?

85, 73, 89, 82, 67, 61, 78, 69, 86, 68, 64, 76, 64, 85, 68, 85, 68, 81, 68, 72, 64, 72, 76, 84, 88

A. 73

B. 68



C. 85

D. 89

Q40 Mathematics

Rishi can do a piece of work in 11 days. Shan is 10% more efficient than Rishi. The number of days taken by Shan to do the same piece of work is:

A. 15

B. 11

C. 10



D. 20

Q41 Mathematics

A sum of ₹15,000 is lent at the rate of 15% per annum compound interest, compounded annually for two years. What is the interest received (in ₹) after two years?

A. 5,137.25

B. 4,738.25

C. 4,973.75

D. 4,837.50

**Q42 Mathematics**

The average of the first 16 odd natural numbers, is:

A. 15.5

B. 16



C. 16.5

D. 17

Q43 Mathematics

Nine years ago, Asha was thrice as old as Bhawna. Seven years from now, Asha will be twice as old as Bhawna. Find the present age of Bhawna.

A. 30 years

B. 28 years

C. 26 years

D. 25 years

**Q44 Mathematics**

A man loses 20% of his money. He then spends 25% of what remains. If he is left with ₹525, what was his original amount?

A. ₹890

B. ₹885

C. ₹880

D. ₹875

**Q45 Mathematics**

A girl goes to school at a speed of 10 km/hr. She comes back with a speed of 40 km/hr. Find her average speed for the whole journey.

A. 6 km/hr

B. 16 km/hr



C. 21 km/hr

D. 13 km/hr



Q46 Mathematics

Pipe A can fill a cistern in 15 minutes and Pipe B can fill it in 35 minutes, while Pipe C can empty the full cistern in 1 hour. If all the pipes are turned on at the same time, in how much time (in minutes) will the cistern be full?

A. $14\frac{10}{11}$

B. $12\frac{8}{11}$ ✓

C. $10\frac{7}{11}$

D. $13\frac{9}{11}$

Q47 Mathematics

10 : 6 : 15 :: 10 : 15 : 66 : 10 : 15 :: 10 : 6

A. 6 : 10 : 15

B. 10 : 15 : 6

C. 10 : 6 : 15

D. 15 : 10 : 6 ✓

Q48 Mathematics

In an election held between two candidates, 75% voters cast their votes. Out of them 2% votes were declared invalid. One candidate got 9261 votes which was 75% of valid votes. In this election what was the total number of registered voters?

A. 17,800

B. 17,500

C. 16,800 ✓

D. 17,560

Q49 Mathematics

A shopkeeper bought 10 kg wheat at ₹20 per kg and 15 kg wheat at ₹30 per kg and mixed them. At what price per kg should he sell the mixed variety of wheat to earn 10% profit?

A. ₹28.60 ✓

B. ₹29.60

C. ₹27.60

D. ₹26.60



Q50 Mathematics

Find the value of $\sec^2 18^\circ - \cot^2 72^\circ + \sin^2 30^\circ + \operatorname{cosec}^2 60^\circ - \operatorname{cosec}^2 18^\circ + \tan^2 72^\circ$.

A. $\frac{12}{19}$

B. $\frac{19}{12}$ ✓

C. $\frac{19}{10}$

D. $\frac{10}{19}$

General Intelligence & Reasoning

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

BONZ is related to SFEQ in a certain way based on the English alphabetical order. In the same way, REDP is related to IVUG. To which of the following options is QDCO related, following the same logic?

A. HTYU

B. HUTF ✓

C. HUFT

D. HFTY

Q52 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

FCF 47 HEH 58 JGJ 69 LIL 80 ?

A. NKN 90

B. MLM 91

C. MJM 90

D. NKN 91 ✓

Q53 General Intelligence & Reasoning

In a certain code language, 'JARS' is coded as '6428' and 'SIDE' is coded as '5761'. What is the code for 'S' in the given code language?

A. 6 ✓

B. 8

C. 5

D. 7

Q54 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers only.)

(Left) 3 1 2 9 8 4 1 5 4 2 1 5 8 1 3 4 7 5 3 6 5 7 6 6 1 1 2
(Right)

How many such odd numbers are there each of which is immediately preceded by an odd number and also immediately followed by an odd number?

A. 1 ✓

B. 0

C. 2

D. 3

Q55 General Intelligence & Reasoning

JLIU is related to EKGV in a certain way based on the English alphabetical order. In the same way, MWQE is related to HVOF. To which of the following is CBTJ related to, following the same logic ?

A. WOPK

B. ZNOP

C. XARK ✓

D. YQRP

Q56 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

76 81 91 111 151 ?

A. 232

B. 231 ✓

C. 233

D. 230



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Q57 General Intelligence & Reasoning

In a certain code language,

A+ B means 'A is the sister of B'

A # B means 'A is the brother of B'

A × B means 'A is the wife of B'

A @ B means 'A is the father of B'

Based on the above, how is L related to R if 'L@O+V#E×R'?

A. Father

B. Wife's father

C. Brother

D. Wife's brother

Q58 General Intelligence & Reasoning

A, B, C, D, E, F and G are sitting around a circular table facing the centre. D sits third to the right of C. E sits third to the left of C. B sits second to the left of D. G sits to the immediate left of A. How many people sit between F and G when counted from the left of F?

A. Three

B. Four

C. One

D. Two

Q59 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows. Counting to be done from left to right only.

(All numbers are single-digit numbers only.)

(Left) 8 7 4 1 5 7 4 8 6 6 6 2 5 5 8 4 3 9 4 3 1 7 7 5 1 2 5

(Right)

How many such odd numbers are there each of which is immediately preceded by an even number and also immediately followed by an even number?

A. 1

B. 3

C. 2

D. 0

Q60 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster)

A. FS - KY

B. BK - GP

C. MP - RU

D. OY - TD

Q61 General Intelligence & Reasoning

Select the number from among the given options that can replace the question mark (?) in the following series.

121, 144, 169, 196, ?

A. 115

B. 125

C. 225

D. 215

Q62 General Intelligence & Reasoning

Which of the following letter-clusters will replace the question mark (?) in the given series to make it logically complete?

PDH, RFJ, THL, VJN, ?

A. XMO

B. XLP

C. XMP

D. XLO

Q63 General Intelligence & Reasoning

Rajesh starts from Point M and drives 13 km towards the north. Then he takes a right turn and drives 6 km, he turns right again and drives 5 km. Then he takes a left turn and drives 3 km, then he turns right and drives 10 km. He then takes a final right turn and drives 9 km and stops at Point N. How far (shortest distance) and towards which direction should he drive in order to reach Point M again? (All turns are 90-degree turns only unless specified.)

A. 2 km towards the south

B. 4 km towards the north

C. 4 km towards the south

D. 2 km towards the north



Q64 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

15 - 3 - 45

12 - 4 - 48

A. 41 - 3 - 113

B. 5 - 6 - 36

C. 31 - 2 - 62



D. 10 - 2 - 30

Q65 General Intelligence & Reasoning

Refer to the following number, symbol series and answer the question. Counting to be done from left to right only (all numbers are single digit numbers only).

(Left) # 5 1 & 5 + 8 3 & * < \ 9 \$ > > * 5 / 7 (Right)

How many such symbols are there each of which is immediately preceded by another symbol and also immediately followed by a number?

A. Four

B. Three



C. One

D. Two

Q66 General Intelligence & Reasoning

A, B, C, D, E, F and G are sitting around a circular table facing the centre. F sits third to the right of G. A sits third to the right of F. C is the immediate neighbour of B and A. D sits third to the right of A.

How many people sit between E and D when counted from the left of E ?

A. Three

B. Two

C. Five



D. Four

Q67 General Intelligence & Reasoning

A,B,C,D,E,F and G are sitting in a straight line facing North. Only five people sit between D and C. E sits to the immediate left of C. Only one person sits between E and A. G sits at some place to the left of F but at some place to the right of B.

How many people sit to the right of A?

A. 2

B. 4

C. 1

D. 3

**Q68 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

61 66 72 77 83 ?

A. 87

B. 89

C. 90

D. 88

**Q69 General Intelligence & Reasoning**

Based on the English alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. FIN



B. JMQ

C. PSW

D. DGK

Q70 General Intelligence & Reasoning

Refer to the following series and answer the question. (All numbers are single-digit numbers only) (Counting to be done from left to right only).

(Left) 5 4 3 6 7 8 2 1 9 3 3 2 4 5 (Right)

How many such odd numbers are there, each of which is immediately preceded by an even number and immediately followed by an even number?

A. More than three

B. Three

C. Two



D. One



Q71 General Intelligence & Reasoning

In a certain code language, 'touch snow gently' is coded as 'lu ek ag' and 'snow falls light' is coded as 'ph lu yn'. How is 'snow' coded in the given language?

A. lu



B. ph

C. yn

D. ek

Q72 General Intelligence & Reasoning

In a row of people all facing North, Alok is 12th from the right end. Pyush is 18th from the right end. Pyush is exactly between Alok and Priyanka. If Priyanka is 5th from the left end of the line, how many people are there in the row?

A. 27

B. 29

C. 28



D. 26

Q73 General Intelligence & Reasoning

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements: All shells are mats. All mats are lotions.

Conclusion (I): Some lotions are shells

Conclusion (II): No lotion is a shell

A. Only conclusion (II) follows

B. Neither conclusion (I) nor (II) follows

C. Both conclusions (I) and (II) follow

D. Only conclusion (I) follows

**Q74 General Intelligence & Reasoning**

YOB D is related to IY L N in a certain way based on the English alphabetical order. In the same way, M C P R is related to W M Z B. To which of the following options is Q G T V related to, following the same logic?

A. A Q D F



B. A D R T

C. A X S W

D. A D E R

Q75 General Intelligence & Reasoning

What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$66 \times 6 \div 3 - 128 \div 2 + 15 \times 3 - 16 \div 2 + 17 = ?$$

A. 239

B. 245

C. 224

D. 299

**Q76 General Intelligence & Reasoning**

Mohak starts from Point A and drives 12 km towards the South. He then takes a left turn, drives 11 km, turns left and drives 15 km. He then takes a left turn and drives 14 km. He takes a final left turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified)

A. 3 km to the west

B. 4 km to the west

C. 3 km to the east



D. 4 km to the east

Q77 General Intelligence & Reasoning

Varun ranked 24th from the top and 47th from the bottom in his class. How many students are there in his class?

A. 72

B. 71

C. 70



D. 69



Q78 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All notepads are diaries.
All diaries are organisers.
Some organisers are planners.

Conclusions:

(I): All notepads are organisers.
(II): Some planners are notepads.

- A. Neither conclusion (I) nor (II) follows
- B. Only conclusion (II) follows
- C. Only conclusion (I) follows
- D. Both conclusions (I) and (II) follow

Q79 General Intelligence & Reasoning

What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$37 \div 5 - 91 + 16 \times 4 = ?$$

- A. 274
- B. 270
- C. 272
- D. 268

Q80 General Intelligence & Reasoning

If 1 is added to each even digit and 2 is subtracted from each odd digit in the number 8239847, how many digits will appear more than once in the new number thus formed?

- A. Two
- B. Three
- C. One
- D. None

General Awareness

20 Questions • Answer Key

Q81 General Awareness

Which of the following neighboring countries of India had a ranking worse than India in the Sustainable Development Goals (SDG) Index in the 2025 edition of the Sustainable Development Report (SDR) released in June 2025?

- A. Pakistan
- B. Bhutan
- C. Nepal
- D. Sri Lanka

Q83 General Awareness

The launch of "Mission Shakti 5.0" during International Girl Child Week (October 3–11, 2025) in Uttar Pradesh contributed mainly to progress in which of the following Sustainable Development Goals (SDGs)?

- A. Responsible consumption and production
- B. Clean energy / sustainable energy
- C. Quality education
- D. Gender equality

Q82 General Awareness

Which party held the Kaliganj seat in West Bengal during the by-polls held in June 2025?

- A. Aam Aadmi Party
- B. Bharatiya Janata Party
- C. Biju Janata Dal
- D. Trinamool Congress

Q84 General Awareness

What was the main purpose of bringing the four Labour Codes into effect on 21 November 2025?

- A. Introducing minimum wages
- B. Expanding 11 social security coverage
- C. Enhancing worker safety
- D. Streamlining labour regulations



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Q85 General Awareness

In the context of 2025 discussions on global governance and foreign-policy literacy, which of the following books by Richard Haass is widely cited as a concise primer that helps general readers understand world politics and major global challenges?

- A. The Future Is Asian
- B. The World: A Brief Introduction ✓
- C. The New Map
- D. The Long Game

Q86 General Awareness

In 2025, India signed a \$126.42 million loan agreement with which institution for the purpose of developing sustainable tourism infrastructure around Tehri Lake in Uttarakhand?

- A. World Bank
- B. Asian Development Bank ✓
- C. New Development Bank
- D. International Monetary Fund

Q87 General Awareness

In August 2025, which of the following banks declared the loan accounts of Reliance Communications and Anil Ambani as fraud, following a similar action by the State Bank of India (SBI)?

- A. ICICI Bank
- B. Bank of India ✓
- C. Punjab National Bank
- D. Indian Overseas Bank

Q88 General Awareness

In which competition did Parul Chaudhary break her national record in 2025?

- A. Doha Diamond League
- B. Asian Athletics Championship ✓
- C. Indian National Championships
- D. Commonwealth Games

Q89 General Awareness

In 2025, which country requested consultations with India at the World Trade Organization regarding trade measures on solar cells and modules?

- A. China ✓
- B. South Korea
- C. Australia
- D. Brazil

Q90 General Awareness

The BHARAT study, launched by the Indian Institute of Science (IISc), Bengaluru, in 2023, focuses on:

- A. Identifying economic patterns of India's aging population
- B. Studying biomarkers of healthy aging, resilience, adversity, and transitions ✓
- C. Surveying rural health infrastructure for elderly care
- D. Promoting traditional wellness practices among senior citizens

Q91 General Awareness

Which Indian Ministry released the first-ever monthly Periodic Labour Force Survey (PLFS) in April 2025?

- A. Ministry of Home Affairs
- B. Ministry of Finance
- C. Ministry of Statistics and Programme Implementation ✓
- D. Ministry of Labour and Employment

Q92 General Awareness

Which of the following missions is the first space-based Indian mission to study the sun?

- A. Chandrayaan-1
- B. Aditya L1 ✓
- C. AstroSat
- D. Mangalyaan

Q93 General Awareness

Which four entertainment icons were honored with Oscars at the 2025 Governors Awards?

- A. Steven Spielberg, Angela Bassett, Benicio del Toro, Julie Taymor
- B. Tom Cruise, Dolly Parton, Debbie Allen, Wynn Thomas ✓
- C. George Lucas, Viola Davis, Michael Mann, Sofia Coppola
- D. Meryl Streep, Judi Dench, Clint Eastwood, Martin Scorsese

Q94 General Awareness

Which Indian state hosted the 2025 Asia Rugby U-20 Sevens Championship, which was held on August 9–10?

- A. West Bengal
- B. Bihar ✓
- C. Assam
- D. Tamil Nadu



Q95 General Awareness

Who received the Hollywood Music in Media Awards 2024 for the film Adujeevitham: The Goat Life?

- A. Ilaiyaraaja
- B. A.R. Rahman ✓
- C. Shankar-Ehsaan-Loy
- D. Himesh Reshammiya

Q96 General Awareness

In May 2025, the Reserve Bank of India (RBI) initiated reviewing digital wallets linked to which of the following sectors after BluSmart shutdown?

- A. Travel bookings
- B. Healthcare
- C. Food delivery
- D. Electric vehicle services ✓

Q97 General Awareness

At the 2025 Khelo India Youth Games, Bihar made a notable achievement. What was the total number of medals won by the state?

- A. 40
- B. 36 ✓
- C. 25
- D. 30

Q98 General Awareness

Who won the prestigious Women Player of the Year Female award for FIH 2024?

- A. Sarah Wilson
- B. Ye Jiao
- C. Zoe Diaz
- D. Yibbi Jansen ✓

Q99 General Awareness

As on 31st August 2025, how many total projects did NABARD sanction under term loans across 8 State Governments?

- A. 72
- B. 86 ✓
- C. 64
- D. 92

Q100 General Awareness

Which missile was successfully launched by DRDO from a rail-based mobile launcher under full operational conditions on 24 September 2025?

- A. Agni-Prime ✓
- B. Agni-I
- C. Prithvi-II
- D. BrahMos



General Science

25 Questions • Answer Key

Q1 General Science

Which structure in *Rhizopus* is directly involved in the process of reproduction through spore formation?

- A. Hyphae
- B. Mycelium
- C. Rhizoids
- D. Sporangia



Q2 General Science

A sealed syringe containing air is pressed from one end while keeping the other end closed. What is the most likely outcome of this action in terms of the state of air inside the syringe?

- A. The volume of air increases and pressure decreases
- B. The temperature of air inside drops significantly
- C. The volume of air decreases and its pressure increases
- D. The air escapes completely from the syringe



Q3 General Science

A scientist observed a multicellular organism undergoing reproduction. Which of the following methods would the plant NOT be using?

- A. Vegetative Propagation
- B. Budding
- C. Binary Fission
- D. Fragmentation



Q4 General Science

Which property enables carbon to form long chains?

- A. Tetravalency
- B. Catenation
- C. Polymerisation
- D. Isomerism



Q5 General Science

Which of the following symbols is used for the element phosphorus as per the rules for atomic symbols?

- A. P
- B. Ps
- C. Ph
- D. Pr



Q6 General Science

In plants, food made in leaves is transported to other parts by the complex tissue called _____.

- A. Phloem
- B. Xylem
- C. Collenchyma
- D. Sclerenchyma



Q7 General Science

A student shows a concave lens forming a diminished real image on the screen. The mistake is:

- A. Concave lens does not refract light
- B. Concave lens always converges light
- C. Concave lens cannot form a magnified image
- D. Concave lens cannot form a real image



Q8 General Science

Which of the following is NOT an olfactory indicator?

- A. Vanilla
- B. Onion
- C. Clove oil
- D. Litmus



Q9 General Science

The complex tissue that transports food in plants is called _____, and it consists of living cells like sieve tubes and _____.

- A. Xylem, tracheids
- B. Collenchyma, sclerenchyma
- C. Xylem, xylem fibres
- D. Phloem, companion cells



Q10 General Science

Which of the following statements is true about weight and mass?

- A. Neither mass nor weight changes on the Moon
- B. Both mass and weight change on the Moon
- C. Only mass changes on the Moon
- D. Only weight changes on the Moon ✓

Q11 General Science

Which of the following is the correct unit of average speed in SI system?

- A. m/s^2
- B. km/h^2
- C. s/m^2
- D. m/s ✓

Q12 General Science

During a nerve impulse transmission, neurotransmitters are released from one neuron and received by another. Which part of neurons are primarily involved in this chemical communication?

- A. Axon → Myelin sheath of nerve
- B. Cell body → Axon of same neuron
- C. Axon terminal → Dendrite of another neuron ✓
- D. Dendrite → Axon terminal of same neuron

Q13 General Science

A real and inverted image is formed at a distance of 30 cm from a concave mirror when the object is placed 40 cm from the mirror. What will be the magnification produced by the mirror?

- A. $+3/4$
- B. $+4/3$
- C. $-4/3$
- D. $-3/4$ ✓

Q14 General Science

Read the following statements carefully and select the correct option.

Assertion (A): Keeping oily food in airtight containers prevents rancidity.
Reason (R): Airtight containers slow down the oxidation of fats and oils.

- A. Both A and R are true, and R is the correct explanation of A. ✓
- B. A is true, but R is false.
- C. Both A and R are true, and R is not the correct explanation of A.
- D. A is false, but R is true.

Q15 General Science

Which connective tissue is known for supporting internal organs?

- A. Areolar tissue ✓
- B. Tendon
- C. Ligament
- D. Squamous epithelium

Q16 General Science

What is the general name of the reaction between an acid and a base?

- A. Neutralisation ✓
- B. Decomposition
- C. Oxidation
- D. Combustion

Q17 General Science

How does the space between particles change from solid to gas?

- A. The space decreases as matter changes from solid to gas
- B. The space increases as matter changes from solid to gas ✓
- C. Solids and gases always have equal spacing
- D. The space remains unchanged during the change in states of matter



Q18 General Science

A constant force acts on an object of mass 4 kg for a duration of 2 s, increasing its velocity from 2 m/s to 8 m/s. If the same force is applied for a duration of 4 s, then what would be the final velocity of the object?

- A. 20 m/s
- B. 10 m/s
- C. 12 m/s
- D. 14 m/s

**Q19 General Science**

A sound wave has a speed of 320 m/s. If the wavelength of the wave is 0.4 m, what is the frequency of this wave?

- A. 128 Hz
- B. 80 Hz
- C. 1280 Hz
- D. 800 Hz

**Q20 General Science**

The disease-causing pathogens in plants can be transmitted through_____.

- A. Both Soil and Air
- B. Soil
- C. Air
- D. Neither Soil nor Air

**Q21 General Science**

Based on the reactivity series, which of the following metals is the least reactive?

- A. Fe (iron)
- B. K (potassium)
- C. Au (gold)
- D. Ca (calcium)

**Q22 General Science**

The filament of a light bulb is made up of tungsten, because of its _____.

- A. High resistance and low melting point
- B. Low resistance and high melting point
- C. High resistance and high melting point
- D. Low resistance and low melting point

**Q23 General Science**

In a toaster, the heating wire glows red because _____.

- A. It has zero resistance.
- B. It has low melting point.
- C. It resists the current and gets hot.
- D. The current is very high.

**Q24 General Science**

A boy lifts an object above his head by exerting a force. Which of the following works is negative?

- A. Work done by the object
- B. Work done by the boy
- C. Work done by the applied force
- D. Work done by the force of gravity

**Q25 General Science**

During the birth, the ovaries of a girl child contain _____.

- A. No eggs
- B. Both mature and immature eggs
- C. Only mature eggs
- D. Only immature eggs

**Mathematics**

25 Questions • Answer Key

Q26 Mathematics

The speed of a train 200 m long is 50 km/hr. How much time will it take to pass a platform 600 m long?

- A. 57.6 sec
- B. 57 sec
- C. 56 sec
- D. 55 sec

**Q27 Mathematics**

A rectangular water tank 5 m long and 3 m wide contains water up to a depth of 1.50 m. The area of the wet surface is:

- A. 54 m²
- B. 36 m²
- C. 39 m²
- D. 24 m²



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Q28 Mathematics

A table is bought for ₹1,400 and sold at a loss of 6%. Find its selling price.

- A. ₹1,310
- B. ₹1,314
- C. ₹1,312
- D. ₹1,316

**Q29 Mathematics**

What is the smallest natural number that should be added to 9054 such that a remainder of 6 is left when the resulting number is divided by each of the numbers 28, 24, 56 and 29?

- A. 678
- B. 696
- C. 695
- D. 710

**Q30 Mathematics**

An item is sold for ₹8,900 after two successive discounts of 20% and 11%. What is the marked price (in ₹) of the item?

- A. 12,495
- B. 12,525
- C. 12,670
- D. 12,500

**Q31 Mathematics**

A man receives ₹9475 per month as salary. He saves 88% of his salary every month. His expenditure per month is:

- A. ₹1053
- B. ₹1168
- C. ₹1137
- D. ₹1114

**Q32 Mathematics**

If 66 is the mean proportion between x and 99, what is the value of x?

- A. 43
- B. 42
- C. 44
- D. 46

**Q33 Mathematics**

The expenditure of Sudha is 100% more than her savings. If her expenditure decreases by 4% and savings increase by 35%, then by what percent does her income increase?

- A. 14%
- B. 9%
- C. 11%
- D. 12%

**Q34 Mathematics**

A and B started moving at the same time towards each other from points X and Y, respectively. After meeting on the way, A and B took 95.4 hours and p hours, respectively, to reach Y and X, respectively. If the speed of B is 50% more than that of A, then what is the value of p?

- A. 40.4
- B. 43.8
- C. 42.4
- D. 44.5

**Q35 Mathematics**

The area of a rectangle gets reduced by 21 m^2 if its length is reduced by 7 m and breadth is increased by 5 m and if its length is increased by 4 m and breadth is increased by 5 m, the area is increased by 67 m^2 . Find the original area of the rectangle.

- A. 21 m^2
- B. 15.6 m^2
- C. 21.8 m^2
- D. 12.8 m^2

**Q36 Mathematics**

The amount on a sum of ₹9,400 at 20% per annum compound interest, compounded annually, in 2 years will be:

- A. ₹14,133
- B. ₹13,189
- C. ₹12,838
- D. ₹13,536



Q37 Mathematics

The sum of the first pair of two-digit twin prime numbers is:

A. 28

B. 24



C. 26

D. 22

Q38 Mathematics

In an election with three candidates, M, N and R, candidate M secured 42% of the total votes, while candidate R obtained 34%. If the total number of votes polled was 37,700 and all were valid, how many votes did candidate N receive?

A. 9048



B. 9100

C. 9000

D. 9164

Q39 Mathematics

A shopkeeper fixed the marked price of an article as ₹2,40,000. He gave 30% and 18% successive discounts on one article and 48% discount on another article of the same marked price. On which of the two articles did the shopkeeper get more benefit and how much more was it?

A. Second article; ₹12,800

B. First article; ₹12,960



C. Second article; ₹10,960

D. First article; ₹11,560

Q40 Mathematics

If the mode of a data exceeds its mean by 34.8, then the mode exceeds the median by _____. (Use empirical formula to find the answer)

A. 19.3

B. 21.6

C. 23.2



D. 26.9

Q41 Mathematics

₹9,975 is divided among A, B, C and D in such a way that the shares of A and B, B and C, and C and D are in the ratios of 2 : 3, 4 : 5 and 6 : 7, respectively. The share of A (in ₹) is:

A. 1,560

B. 1,520



C. 1,490

D. 1,460

Q42 Mathematics

What is the mode of the following data?

65, 86, 86, 85, 69, 90, 71, 60, 86, 71, 86, 65, 81, 82, 67, 72, 84, 66, 75, 85, 68, 78, 61, 64, 74, 90

A. 86



B. 85

C. 69

D. 65

Q43 Mathematics

Rishi can do a piece of work in 12 days. Shan is 20% more efficient than Rishi. The number of days taken by Shan to do the same piece of work is:

A. 10



B. 12

C. 20

D. 15



Q44 Mathematics

Pipe A can fill a tank in 33 minutes and Pipe B can fill it in 22 minutes. Pipe C empties it. If all of the pipes are opened together, the tank will be full in 55 minutes. In how many minutes will pipe C empty the full tank?

A. $16\frac{6}{19}$

B. $15\frac{5}{19}$

C. $14\frac{4}{19}$

D. $17\frac{7}{19}$ ✓

Q45 Mathematics

Simplify: $\sqrt{121 \times 49} + \sqrt{64 \times 36} - \sqrt{100 \times 16}$

A. 72

B. 95

C. 85 ✓

D. 51

Q46 Mathematics

Find the value of $\tan 10^\circ \tan 18^\circ \tan 72^\circ \tan 80^\circ$

A. $\tan 18^\circ$

B. $\tan 80^\circ$

C. 1 ✓

D. -1

Q47 Mathematics

Let A and B be the angles of regular polygons of sides 8 and 10 respectively. Then what is the value of $\sin^2\left(\frac{A}{3}\right) + \cos^3\left(\frac{5B}{6}\right)$?

A. $\frac{3}{8}$ ✓

B. $\frac{3}{4}$

C. $\frac{5}{8}$

D. $\frac{1}{4}$



Q48 Mathematics

Simplify the following.

$$(3x^2 + 4x^2) \div 7x$$

A. x



B. $\frac{12x}{7}$

C. $7x^2$

D. x^2

Q49 Mathematics

The present age of a father is 4 times the age of his daughter. Five years ago, the father was 7 times as old as his daughter. What is the present age of the daughter?

A. 10 years



B. 18 years

C. 15 years

D. 20 years

Q50 Mathematics

The cost of 2 chocolates and 3 cookies is ₹36. The cost of 1 chocolate and 2 cookies is ₹23. What is the cost of 4 chocolates and 5 cookies?

A. ₹52

B. ₹62



C. ₹66

D. ₹56

General Intelligence & Reasoning

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(24, 11, 105)
(38, 42, 240)

A. (93, 12, 318)

B. (46, 53, 287)

C. (34, 62, 286)

D. (74, 34, 324)

**Q52** General Intelligence & Reasoning

QOHY is related to WJLV in a certain way based on the English alphabetical order. In the same way, NRBT is related to TMFQ. To which of the following is JRUF related to following the same logic?

A. QNZC

B. QMYD

C. PMYC



D. PNZD



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Q53 General Intelligence & Reasoning

A, B, C, D, E, F and G are sitting around a circular table facing the centre. D sits to the immediate right of B. E sits third to the right of B. G sits third to the left of D. C is the immediate neighbour of D and E. A is not an immediate neighbour of B.
How many people sit between F and D when counted from the left of F?

- A. Five
- B. Four
- C. Two
- D. Three

Q54 General Intelligence & Reasoning

Refer to the following series and answer the question. (All numbers are single-digit numbers only) (Counting to be done from left to right only).
(Left) 3 1 4 1 5 9 2 6 5 3 5 5 7 6 4 3 9 2 8 4 5 5 6 (Right)
How many such odd numbers are there, each of which is immediately preceded by an even number and immediately followed by an even number?

- A. None
- B. One
- C. Two
- D. Three

Q55 General Intelligence & Reasoning

A, B, C, D, E, F and G are sitting around a circular table facing the centre. E sits third to the left of B. D sits second to the right of B. C sits to the immediate right of F. G sits second to the right of A.
How many people sit between G and C when counted from the left of C?

- A. One
- B. Three
- C. Two
- D. Four

Q56 General Intelligence & Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All rods are hooks.
Some hooks are baits.

Conclusions:

(I): All rods are baits.
(II): Some baits are rods.

- A. Neither conclusion (I) nor (II) follows
- B. Both conclusions (I) and (II) follow
- C. Only conclusion (I) follows
- D. Only conclusion (II) follows

Q57 General Intelligence & Reasoning

Refer to the following number, symbol series and answer the question. Counting to be done from left to right only (all numbers are single digit numbers only).

(Left) / 8 & + ^ 1 + < # @ ^ \ 2 # \$ 8 9 * 7 2 \$ (Right)

How many such numbers are there each of which is immediately preceded by a symbol and also immediately followed by a symbol?

- A. Two
- B. Four
- C. Three
- D. One

Q58 General Intelligence & Reasoning

Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion/s logically follow/s from the given statements.

Statements: All fans are bulbs. Some bulbs are heaters. Some heaters are geysers.

Conclusion (I) : Some fans are heaters.
Conclusion (II) : Some bulbs are geysers.

- A. Neither conclusion (I) nor (II) follows.
- B. Both conclusions (I) and (II) follow.
- C. Only conclusion (I) follows.
- D. Only conclusion (II) follows.



Q59 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

89 94 99 104 109 ?

A. 113

B. 116

C. 115

D. 114

**Q60 General Intelligence & Reasoning**

Andy ranked 11th from the top and 15th from the bottom in his class. How many students are there in the class?

A. 24

B. 26

C. 27

D. 25

**Q61 General Intelligence & Reasoning**

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. SK - XP

B. DY - IC



C. EZ - JE

D. JQ - OV

Q62 General Intelligence & Reasoning

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 2 9 6 2 7 9 4 5 2 6 9 3 4 4 8 9 7 3 6 1 5 6 6 3 1 6 5
(Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

A. 0

B. 3

C. 1



D. 2

Q63 General Intelligence & Reasoning

KGLO is related to QMRU in a certain way based on the English alphabetical order. In the same way, NJOR is related to TPUX. To which of the following is EAFI related to, following the same logic?

A. KGLO



B. KGLP

C. KHLO

D. KHLP

Q64 General Intelligence & Reasoning

Each of the digits in the number 3652497 is arranged in descending order from left to right. What will be the product of the digits that are second from the left and second from the right in the number thus formed?

A. 21



B. 24

C. 18

D. 14

Q65 General Intelligence & Reasoning

This question is based on the five, three-digit numbers given below.

(Left) 324 286 472 539 731 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

NOTE - All operations to be done from left to right.

If all the numbers are arranged in ascending order, the position of how many numbers will remain unchanged?

A. Two

B. Three



C. One

D. None

Q66 General Intelligence & Reasoning

In a certain code language,

A + B means 'A is the father of B',

A - B means 'A is the brother of B',

A x B means 'A is the sister of B',

A ÷ B means 'A is the wife of B'.

Based on the above, how is M related to Q if 'M + N x O - P ÷ Q'?

A. Father

B. Husband's father

C. Wife's father



D. Husband's brother



Q67 General Intelligence & Reasoning

What should come in place of (?) in the given series in order to make it logically complete?

ED9 HF16 LI25 QM36 ?

A. WR49



B. XT49

C. VR49

D. WR64

Q68 General Intelligence & Reasoning

What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$154 \div 2 - 49 \div 7 + 10 \times 5 + 28 \times 7 - 25 \div 5 = ?$$

A. 662

B. 711

C. 770



D. 618

Q69 General Intelligence & Reasoning

Seven people, S, Q, U, A, R, E and D are sitting in a row, facing north.

Only S sits to the left of Q. Only four people sit between S and U. Only A sits between E and R, and E is not an immediate neighbor of U.

Who sits at the extreme right of the line?

A. U

B. D



C. A

D. S

Q70 General Intelligence & Reasoning

Aarav starts from Point A and drives 13 km towards the East. He then takes a left turn, drives 8 km, turns left and drives 15 km. He then takes a left turn and drives 11 km. He takes a final left turn, drives 2 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified).

A. 4 km to the South

B. 4 km to the North

C. 3 km to the South

D. 3 km to the North

**Q71 General Intelligence & Reasoning**

City A is to the north of City B. City D is to the east of City A. City D is to the south of City E. If City E is to the west of City C, what is the direction of City B with respect to City E?

A. North

B. South West



C. West

D. East

Q72 General Intelligence & Reasoning

What should come in place of '?' in the given series?

119 136 155 172 191 ?

A. 208



B. 210

C. 206

D. 205

Q73 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

VZY 64 XBA 58 ZDC 52 BFE 46 ?

A. DHG 40



B. DHM 39

C. DIF 40

D. DGF 39

Q74 General Intelligence & Reasoning

JUNC is related to QBUJ in a certain way based on the English alphabetical order. In the same way, LWPE is related to SDWL. To which of the following options is GRKZ related, following the same logic?

A. NYRG



B. NGTY

C. BNHJ

D. NRTU



Q75 General Intelligence & Reasoning

In a certain code language, 'she is lovely' is coded as 'kl pc cp' and 'lovely paint here' is coded as 'lk cp no'. How is 'lovely' coded in the given language?

(All codes are two-letter codes)

A. cp



B. kl

C. pc

D. no

Q76 General Intelligence & Reasoning

In a certain code language, 'VOLT' is coded as '6428' and 'LIFE' is coded as '5761'. What is the code for 'L' in the given code language?

A. 5

B. 2

C. 7

D. 6

**Q77 General Intelligence & Reasoning**

What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$53 \div 13 + 391 \times 17 - 289 = ?$$

A. 963

B. 915

C. 955



D. 972

Q78 General Intelligence & Reasoning

All 119 people are standing in a row facing north. Mr. Lkj is 7th from the right end while Mr. lhg is 29th from the left end. How many people are there between Mr. Lkj and Mr. lhg?

A. 80

B. 83



C. 82

D. 81

Q79 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

16 31 46 61 76 ?

A. 89

B. 91



C. 81

D. 99

Q80 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. QK - VH

B. GQ - LN

C. WH - BD



D. AE - FB

General Awareness

20 Questions • Answer Key

Q81 General Awareness

According to the Economic Survey released in January 2025, India was identified as the seventh most vulnerable country to climate change. What percentage of days in 2024 were marked by significant climate events such as heatwaves, cyclones and floods?

A. 95%

B. 93%



C. 90%

D. 85%

Q82 General Awareness

Which of the following countries hosted the 2025 FIFA U-17 World Cup under the new 48-team format?

A. Brazil

B. Qatar



C. India

D. Russia



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Q83 General Awareness

Which state government implemented an environmental tax on out-of-state vehicles starting December 2025?

- A. Sikkim
- B. Assam
- C. Uttarakhand
- D. Himachal Pradesh

Q84 General Awareness

Major Dhyan Chand Khel Ratna Award 2024 winner, D Gukesh, is associated with which sports?

- A. Badminton
- B. Shooting
- C. Hockey
- D. Chess

Q85 General Awareness

Which seat did Congress win in the Kerala by-elections in June 2025?

- A. Kottayam
- B. Nilambur
- C. Wayanad
- D. Ernakulam

Q86 General Awareness

The inaugural plenary session of the Indian Conservation Conference-2025 was held at which institution in June 2025?

- A. Forest Research Institute, Dehradun
- B. Indian Council of Forestry Research, Jabalpur
- C. Wildlife Institute of India, Dehradun
- D. Indian Institute of Science, Bengaluru

Q87 General Awareness

What is its primary objective of the GoIStats app, launched by the Ministry of Statistics and Programme Implementation (MoSPI) in 2025?

- A. To offer real-time agricultural weather forecasts to farmers
- B. To give a snapshot of key socio-economic data of the Ministry
- C. To provide entertainment content and cultural heritage updates
- D. To facilitate online shopping and digital payment services

Q88 General Awareness

In 2025, 36 people including government employees were arrested under "Operation Spot Trap" by the Vigilance and Anti-Corruption Bureau (VACB). Which state was this operation conducted in?

- A. Kerala
- B. Maharashtra
- C. Uttar Pradesh
- D. Rajasthan

Q89 General Awareness

Which British honours list, including overseas recognitions, was published on 13 June 2025?

- A. Queen's Platinum Overseas & International List
- B. UK Civil Service Honors List
- C. New Year Honours 2025
- D. King's Birthday Honours Overseas & International List

Q90 General Awareness

Which of the following Indian states features the defence industrial corridor that attracted investment proposals worth ₹33,896 crore in 2025?

- A. Gujarat
- B. Maharashtra
- C. Tamil Nadu
- D. Uttar Pradesh

Q91 General Awareness

Which prestigious award was Dr. Anandharamakrishnan awarded in 2024 for his contributions to Agricultural Sciences?

- A. Padma Bhushan
- B. Vigyan Shri Award
- C. Shanti Swarup Bhatnagar Prize
- D. Bharat Ratna

Q92 General Awareness

To enhance capabilities in indigenous hydrography, where will the Indian Navy launch INS 'Ikshak' in November 2025?

- A. Mumbai
- B. Kochi
- C. Chennai
- D. Visakhapatnam



Q93 General Awareness

What change did the Banking Laws (Amendment) Act, notified in April 2025, make regarding bank nominee rules?

- A. Made nomination optional
- B. Allowed up to four nominees ✓
- C. Allowed only one nominee
- D. Removed nomination option

Q94 General Awareness

Which of the following administrative institutions of India completed 100 years of service in 2025?

- A. Union Public Service Commission (UPSC) ✓
- B. Central Bureau of Investigation (CBI)
- C. Central Vigilance Commission (CVC)
- D. Election Commission of India (ECI)

Q95 General Awareness

Which athlete received the Laureus World Sportswoman of the Year in 2025?

- A. Ellesse Andrews
- B. Rebeca Andrade
- C. Serena Williams
- D. Simone Biles ✓

Q96 General Awareness

In February 2025, which Indian athlete broke the Asian short-track record in the 5000 m with a time of 12:59.77?

- A. Avinash Sable
- B. Yared Nuguse
- C. Gulveer Singh ✓
- D. Jacob Kiplimo

Q97 General Awareness

Under the Viksit Bharat–G RAM G Act 2025, how many days of statutory wage employment are guaranteed per rural household per financial year?

- A. 150 days
- B. 110 days
- C. 125 days ✓
- D. 100 days

Q98 General Awareness

Which of the following former AIFF officials, who also held key positions in various sports associations in Nagaland, passed away in 2025?

- A. Bhaichung Bhutia
- B. Atuo Mezhür ✓
- C. Savio Medeira
- D. Subrata Dutta

Q99 General Awareness

In May 2025, the Reserve Bank of India (RBI) penalised the Union Bank of India and which of the following companies?

- A. Transactree Technologies ✓
- B. Razorpay
- C. Broadridge Financial Solutions
- D. Paytm

Q100 General Awareness

Who set a world record in the men's javelin F42 category at the Nottwil World Para Athletics Grand Prix in Switzerland, winning the gold medal?

- A. Devender Singh
- B. Praveen Kumar
- C. Mahendra Gurjar ✓
- D. Rinku Solanki



General Science

25 Questions • Answer Key

Q1 General Science

Which type of blood vessel has thick, elastic walls to withstand high pressure?

- A. Vein
- B. Artery
- C. Venule
- D. Capillary



Q2 General Science

Which part of the food-conducting complex tissue in plants is tubular and has perforated walls?

- A. Companion cell
- B. Sieve tube
- C. Phloem parenchyma
- D. Sieve plate



Q3 General Science

What is the advantage of combining DNA from two different individuals in sexually reproducing animals?

- A. It increases genetic variation within the population.
- B. It speeds up the reproduction process.
- C. It reduces the need for specialized reproductive organs.
- D. It eliminates errors in DNA copying.



Q4 General Science

Which of the following is a micronutrient?

- A. Manganese
- B. Phosphorous
- C. Nitrogen
- D. Magnesium



Q5 General Science

Which of the following rays is NOT used to locate the image formed by a spherical mirror?

- A. A ray passing through the center of curvature that reflects back along the same path
- B. A ray passing through the focus that reflects parallel to the principal axis
- C. A ray perpendicular to the principal axis that reflects through the focus
- D. A ray parallel to the principal axis that reflects through the focus



Q6 General Science

Which property distinguishes a homogeneous mixture from a heterogeneous mixture?

- A. Chemical reaction
- B. Uniform composition
- C. High density
- D. Fixed boiling point



Q7 General Science

Which multicellular organism shows fragmentation as a common mode of asexual reproduction?

- A. Spirogyra
- B. Orange
- C. Bryophyllum
- D. Jasmine



Q8 General Science

When brakes are applied to a moving car, the car slows down but the passengers inside tend to move forward. This happens because _____.

- A. the passengers have inertia and continue in their state of motion
- B. the passengers are pulled forward by gravity
- C. the brakes apply a forward force on the passengers
- D. the air inside the car pushes the passengers forward



Q9 General Science

Which of the following is always formed during a neutralization reaction between a strong acid and a strong base?

- A. Salt and water ✓
- B. Salt, water, and carbon dioxide
- C. Only water
- D. Salt and hydrogen gas

Q10 General Science

The SI unit of the universal gravitational constant G is _____.

- A. $\text{N}\cdot\text{m}^2/\text{kg}^2$ ✓
- B. $\text{N}\cdot\text{kg}^2/\text{m}^2$
- C. kg/m^3
- D. N/m^2

Q11 General Science

A sodium chloride crystal contains sodium and chloride ions in a 1:1 ratio. To calculate the formula unit mass of sodium chloride, which process would you use?

- A. Multiply the atomic mass of sodium and the atomic mass of chlorine
- B. Subtract the atomic mass of chlorine from that of sodium
- C. Add the atomic mass of sodium and the atomic mass of chlorine ✓
- D. Divide the atomic mass of sodium by that of chlorine

Q12 General Science

For a body moving with uniform velocity, the acceleration is:

- A. constant
- B. increasing
- C. decreasing
- D. zero ✓

Q13 General Science

Animals with high energy needs and constant body temperature, like birds and mammals, have _____ chambered hearts.

- A. One
- B. Three
- C. Two
- D. Four ✓

Q14 General Science

Which of the following statements about a proton is correct ?

- A. A proton is negatively charged and has very small mass
- B. A proton is neutral in charge and has mass equal to an electron
- C. A proton is positively charged and mass is $1/2000$ of a hydrogen atom
- D. A proton is positively charged and its mass is taken as one unit ✓

Q15 General Science

A wire of length 'L', area of cross-section 'A' and resistivity 'ρ' has a resistance 'R'. What will be the new resistance of this wire if its area of cross-section is tripled? (Keep all the other parameters the same)

- A. $R/3$ ✓
- B. R
- C. $R/9$
- D. $3R$

Q16 General Science

Megaphone, horn and stethoscope are the devices used to _____.

- A. Control amplitude of sound
- B. Change pitch
- C. Produce, transmit, and amplify sound ✓
- D. Block sound

Q17 General Science

Which condition is essential for a dispersed seed to successfully undergo germination and develop into a seedling?

- A. Exposure to sunlight only
- B. Presence of appropriate environmental conditions ✓
- C. Physical separation from the parent flower
- D. Complete decay of the fruit enclosing the seed only.



Q18 General Science

For a resistor with constant resistance, the magnitude of heat produced is directly proportional to which of the following?

- A. Length of the resistor
- B. Current flowing through the resistor
- C. Density of the material
- D. Square of the current flowing through the resistor ✓

Q19 General Science

Which of the following molecules is split apart by higher energy ultraviolet for formation of ozone?

- A. Sodium
- B. Zinc
- C. Oxygen ✓
- D. Iron

Q20 General Science

When substituting numerical values for the distances (u, v, f) into the Mirror Formula to solve problems, which prerequisite must be strictly followed?

- A. All values must be converted to metres
- B. The focal length (f) must always be taken as positive
- C. All measurements must be taken from the centre of curvature
- D. The New Cartesian Sign Convention must be used ✓

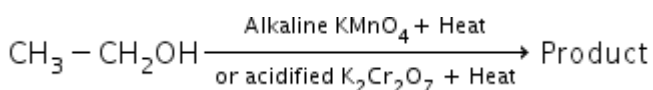
Q24 General Science

A porter lifts a luggage of mass 25 kg from the ground to a height of 2.0 m. What is the work done by him on the luggage? (Take $g = 10 \text{ m/s}^2$)

- A. 500 J ✓
- B. 50 J
- C. 250 J
- D. 100 J

Q25 General Science

Identify the product in the reaction given below.



- A. Propanal
- B. Ethanoic acid ✓
- C. Ethanal
- D. Propanone

Q21 General Science

What is the main purpose of refining a metal after it has been extracted?

- A. To increase the melting point of the metal
- B. To convert the metal into an alloy
- C. To reduce the reactivity of the metal
- D. To remove impurities from the extracted metal ✓

Q22 General Science

Which of the following statements is true about a base in an aqueous solution?

- A. They turn blue litmus red.
- B. They have a sour taste.
- C. They react with metals to produce hydrogen gas.
- D. They produce OH^- ions in water. ✓

Q23 General Science

Which of the following is the SI unit of weight?

- A. Newton ✓
- B. Joule
- C. Kilogram
- D. Pascal



Q26 Mathematics

If the marked price of a fan is ₹775 and a discount of 12% is given on it, then what is the selling price of the fan?

A. ₹682



B. ₹680

C. ₹684

D. ₹686

Q27 Mathematics

A rare book dealer sells a vintage novel to a collector for ₹1,440. The collector later auctions it at a 25% profit. What price does the final buyer pay at the auction?

A. ₹1,860

B. ₹1,620

C. ₹1,800



D. ₹360

Q28 Mathematics

The ratio of the sum of exterior angles to the sum of interior angles of a regular polygon of n sides is $2 : 43$. What is the measure of an interior angle of the regular polygon?

A. 176° B. 174° C. 172° D. 170° **Q29 Mathematics**

In a race, an athlete covers a distance of 450 m in 150 sec in the first lap. He covers the second lap of the same distance in 75 sec. What is the average speed (in m/sec) of the athlete?

A. 11

B. 4



C. 10

D. 5

Q30 Mathematics

Suman, Tariq and Neha invest sums in the ratio $6 : 11 : 12$, respectively. If they earned a total profit of ₹79,721 at the end of the year, then what is the positive difference between the shares of Suman and Neha?

A. ₹16,491

B. ₹16,494



C. ₹16,492

D. ₹16,493

Q31 Mathematics

In an election between two candidates, 78% of the voters cast their votes, out of which 4% votes were declared invalid. A candidate got 13,572 votes, out of which 58% were valid votes. Find the total number of voters enrolled in that election.

A. 28,680

B. 31,250



C. 30,150

D. 33,540

Q32 Mathematics

The amount on a sum of ₹6,400 at the rate of 15% per annum compound interest, compounded annually, in 2 years will be:

A. ₹8,375

B. ₹8,413

C. ₹8,464



D. ₹8,078

Q33 Mathematics

Three workers, A, B, and C, are assigned to paint a wall. A can complete the task in 8 hours, B in 12 hours, and C in 16 hours. If they all start together but C leaves after 2 hours, how much time in total will it take to finish the task?

A. 3 hours

B. 6 hours

C. 4.2 hours



D. 5.5 hours



Q34 Mathematics

The average of the first 12 odd natural numbers is:

- A. 12.5
- B. 12
- C. 13
- D. 11.5

Q35 Mathematics

Shivam spends 50% of his income. If he saves ₹42,000, then his income (in ₹) is:

- A. 83,000
- B. 21,000
- C. 85,000
- D. 84,000

Q36 Mathematics

The population of a village was 1,60,000. It increased by 15% in the first year and increased by 30% in the second year. Its population after two years will be _____.

- A. 2,39,200
- B. 2,08,000
- C. 2,32,000
- D. 1,84,000

Q37 Mathematics

Find the median for the data 9, 6, 8, 11, 16, and 22.

- A. 9
- B. 10
- C. 11
- D. 12

Q38 Mathematics

The price of each article of types P, Q, and R is ₹280, ₹185, and ₹105, respectively. Yogesh buys articles of each type in the ratio 4 : 2 : 5 and spends a total of ₹8,060. How many articles of type Q did he purchase?

- A. 12
- B. 4
- C. 8
- D. 6

Q39 Mathematics

What is the minimum value that must be assigned to A so that the 8-digit number 322A4828 is divisible by 4?

- A. 5
- B. 4
- C. 3
- D. 0

Q40 Mathematics

Amit can do a piece of work in 13 days. Gopal is 30% more efficient than Amit. The number of days taken by Gopal to do the same piece of work is:

- A. 13
- B. 20
- C. 10
- D. 15

Q41 Mathematics

Simplify $(5pq + 16q)^2 - (5pq - 16q)^2$.

- A. $160p^2q^2$
- B. $320p^2q$
- C. $320pq^2$
- D. $160pq^2$

Q42 Mathematics

A retailer offers the following discount schemes for buyers on an article. Which scheme will fetch the maximum selling price?

- A. A discount of 12% followed by a discount of 46%
- B. A discount of 23% followed by a discount of 15%
- C. Successive discounts of 25% and 36%
- D. Two successive discounts of 10%



Q43 Mathematics

If the total surface area of a cylinder is 3080 m^2 and its radius is 14 m , then what is the curved surface area of the cylinder? (Take $\pi = \frac{22}{7}$)

A. 2048 cm^2 B. 1978 cm^2 C. 1798 cm^2 D. 1848 cm^2 ✓**Q44** Mathematics

What is the smallest natural number which when divided by 18, 35 and 140 leaves remainder 7 in each case?

A. 1300

B. 1270

C. 1267 ✓

D. 1337

Q45 Mathematics

A mother is currently twice as old as her daughter. Ten years ago, the mother was three times as old as her daughter. What is the present age of the mother?

A. 42 years

B. 40 years ✓

C. 28 years

D. 48 years

Q46 Mathematics

If $x = 3 + \sqrt{8}$, find the value of $\sqrt{x} - \frac{1}{\sqrt{x}}$.

A. 1

B. $\frac{1}{\sqrt{2}}$

C. 2 ✓

D. $\sqrt{2}$ 

Q47 Mathematics

If the length of a rectangle is 5 cm more than the breadth and if the perimeter of the rectangle is 40 cm, then the length and breadth of the rectangle will be:

A. 11.4 cm , 8.6 cm

B. 12.4 cm , 7.6 cm

C. 12.5 cm , 7.5 cm



D. 10.5 cm , 9.5 cm

Q48 Mathematics

By decreasing the radius of a sphere by 25% whose surface area is 616 cm^2 , a new sphere is formed. Find the volume of the newly formed sphere. (Take $\pi = \frac{22}{7}$)

A. 616.475 cm³

B. 506.475 cm³

C. 556.375 cm³

D. 606.375 cm³

**Q49 Mathematics**

Find the value of : $\cos^2 30^\circ + \cos^2 60^\circ + \cos^2 90^\circ$

A. 1.25

B. 2

C. 1



D. 1.5

Q50 Mathematics

A man has to cover a distance of 228 km in 8 hours. If he covers two — thirds of this distance in $\frac{5}{8}$ th of the time, then what should be his speed (in km/hr, correct to one decimal place) to cover the remaining distance in the time left?

A. 23.3

B. 25.3



C. 22.2

D. 14.1



Q51 General Intelligence & Reasoning

In a certain code language,
 A+ B means 'A is the sister of B'
 A # B means 'A is the brother of B'
 A × B means 'A is the wife of B'
 A @ B means 'A is the father of B'
 Based on the above, how is L related to R if 'L@O#V+E×R'?

A. Wife's father



B. Father

C. Wife's brother

D. Brother

Q52 General Intelligence & Reasoning

Refer to the following series and answer the question (all numbers are single digit numbers only). Counting to be done from left to right only.
 (Left) 1 6 8 1 6 2 8 1 4 3 8 2 9 7 8 7 3 9 5 5 6 (Right)

How many such even digits are there each of which is immediately preceded by an odd digit and also immediately followed by an even digit?

A. 4

B. 3



C. 2

D. 1

Q53 General Intelligence & Reasoning

What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$405 \times 5 - 32 + 16 \div 6 = ?$$

A. 18

B. 16

C. 17



D. 19

Q54 General Intelligence & Reasoning

What should come in place of '?' in the given series?

8, 33, 69, ?, 182, 263

A. 116

B. 120

C. 122

D. 118

**Q55 General Intelligence & Reasoning**

Town A is to the west of Town B. Town D is to the south of Town A. Town C is to the east of Town D. If Town E is to the north of Town C, what is the direction of Town B with respect to Town D?

A. East

B. South

C. North east



D. West

Q56 General Intelligence & Reasoning

If 1 is added to each even digit and 2 is subtracted from each odd digit in the number 28369475, then how many digits will appear more than once in the new number thus formed?

A. 3



B. 2

C. 4

D. 1

Q57 General Intelligence & Reasoning

GUSB is related to LZ XV in a certain way based on the English alphabetical order. In the same way, NHIN is related to SMNH. To which of the following is MLKO related, following the same logic?

A. RPPJ

B. SQQJ

C. SPQI

D. RQPI

**Q58 General Intelligence & Reasoning**

This question is based on the five, three-digit numbers given below.

(Left) 431 853 326 139 268 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

NOTE - All operations to be done from left to right.

What will be the resultant if the third digit of the highest number is added to the second digit of the lowest number?

A. 9

B. 4

C. 6



D. 8



Q59 General Intelligence & Reasoning

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements: All kettles are ovens. All ovens are toasters.

Conclusion (I): Some toasters are kettles

Conclusion (II): No toaster is a kettle

- A. Neither conclusion (I) nor (II) follows
- B. Only conclusion (II) follows
- C. Both conclusions (I) and (II) follow
- D. Only conclusion (I) follows

Q60 General Intelligence & Reasoning

In a certain code language, 'READ' is coded as '4628' and 'AIMS' is coded as '5716'. What is the code for 'A' in the given code language?

- A. 2
- B. 7
- C. 6
- D. 5

Q61 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

GSN 14, EQL 23, COJ 32, AMH 41, ?

- A. YJD 50
- B. YKF 50
- C. YKE 49
- D. ZKE 49

Q62 General Intelligence & Reasoning

This question is based on the five, three-digit numbers given below.

(Left) 700 496 723 316 639 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

NOTE - All operations to be done from left to right.

What will be the resultant if the second digit of the highest number is subtracted from the third digit of the lowest number?

- A. 3
- B. 4
- C. 5
- D. 7

Q63 General Intelligence & Reasoning

Seven people, S, Q, U, A, R, E and D are sitting in a row, facing north.

Only two people sit to the right of A. Only two people sit between A and R. Only two people sit between E and D. D sits to the immediate left of A. S sits to the immediate right of U.

Who sits at the third position from the left end of the line?

- A. R
- B. Q
- C. E
- D. S

Q64 General Intelligence & Reasoning

Refer to the following letter series and answer the question.

(Left) C H T M L K N B P G Q D V W R A X Z F Y E S (Right)

How many unique vowels are there in the above series? (Each vowel counted only once regardless of repetition.)

- A. Four
- B. Three
- C. Two
- D. One

Q65 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster)

- A. YA - CF
- B. LF - PJ
- C. TI - XM
- D. JR - NV

Q66 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

42 47 53 60 68 ?

- A. 76
- B. 79
- C. 78
- D. 77



Q67 General Intelligence & Reasoning

All 144 people are standing in a row facing north. Mr. Lkj is 65th from the left end while Mr. Ihg is 8th from the right end. How many people are there between Mr. Lkj and Mr. Ihg?

A. 69

B. 71

C. 72

D. 70

Q68 General Intelligence & Reasoning

What should come in place of '?' in the given series?
78 92 108 126 146 ?

A. 170

B. 165

C. 168

D. 162

Q69 General Intelligence & Reasoning

Seven people, A, B, C, D, E, F and G are sitting in a row, facing north. B sits sixth from the left end of the row. Only two people sit to the left of D. F sits to the right of A but left of D. E sits third to the left of G. How many people sit between C and G?

A. Four

B. Two

C. Three

D. One

Q70 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. TVV

B. JKL

C. DEF

D. GHI

Q71 General Intelligence & Reasoning

What should come in place of ? in the given series in order to make it logically complete?

YY49 WV36 TR25 PM16 ?

A. KG9

B. LH9

C. JK4

D. KH9

Q72 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

12 - 4 - 48

15 - 3 - 45

A. 19 - 2 - 38

B. 16 - 2 - 34

C. 21 - 3 - 61

D. 3 - 4 - 14

Q73 General Intelligence & Reasoning

Gyalmu starts from Point A and drives 15 km towards east. He then takes a right turn, drives 16 km, turns right and drives 17 km. He then takes a right turn and drives 18 km. He takes a final right turn, drives 2 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again?

(All turns are 90 degree turns only unless specified)

A. 3 km to the south

B. 2 km to the south

C. 4 km to the south

D. 1 km to the south

Q74 General Intelligence & Reasoning

VANE is related to DIVM in a certain way based on the English alphabetical order. In the same way, BGTK is related to JOBS. To which of the following options is ZERI related, following the same logic?

A. HMQW

B. HWER

C. HMZQ

D. HMWE



Q75 General Intelligence & Reasoning

In a row of 50 students facing North, Meha is 15th from the right end. If Priya is 8th to the left of Meha, what is Priya's position from the left end of the line?

- A. 29th
- B. 27th
- C. 26th
- D. 28th

**Q76 General Intelligence & Reasoning**

If 3 is added to each odd digit and 4 is subtracted from each even digit in the number 5346188, what will be the sum of the digits which are third from the left and fourth from the right in the new number thus formed?

- A. 2
- B. 6
- C. 4
- D. 0

**Q77 General Intelligence & Reasoning**

Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion/s logically follow/s from the given statements.

Statements: All cars are buses. All buses are ships. No car is a train.

Conclusion (I) : No bus is a train.

Conclusion (II) : No ship is a train.

- A. Only conclusion (II) follows
- B. Both conclusions (I) and (II) follow
- C. Only conclusion (I) follows
- D. Neither conclusion (I) nor (II) follows

**Q78 General Intelligence & Reasoning**

In a certain code language, 'bees buzz close' is coded as 'zd st cq' and 'hear bees hum' is coded as 'cq ge vm'. How is 'bees' coded in the given language?

- A. zd
- B. ge
- C. cq
- D. vm

**Q79 General Intelligence & Reasoning**

XTBH is related to BXFL in a certain way based on the English alphabetical order. In the same way, MFKP is related to QJOT. To which of the given options is BXL R related, following the same logic?

- A. GCQW
- B. EAOU
- C. FBPV
- D. DZNU

**Q80 General Intelligence & Reasoning**

Seven people, A, B, C, D, E, F and G are sitting in a row, facing north. Only six people sit to the left of F. D sits fourth from the right end of the row. Only two people sit between A and D. G is the immediate neighbour of C and F. B does not sit to the left of E.

How many people sit between E and G?

- A. None
- B. Four
- C. Three
- D. Two

**General Awareness**

20 Questions • Answer Key

Q81 General Awareness

What is celebrated on 9 January 2025 to recognise the contributions of the Indian diaspora?

- A. National Tourism Day
- B. Pravasi Bharatiya Divas
- C. Army Day
- D. World Hindi Day

**Q82 General Awareness**

Which pioneering molecular biologist, who co-discovered the double helix structure of DNA along with Francis H. C. Crick and was awarded the Nobel Prize in Physiology or Medicine in 1962, passed away at the age of 97 in East Northport, New York?

- A. Maurice Wilkins
- B. Francis H. C. Crick
- C. James D. Watson
- D. Rosalind Franklin



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Q83 General Awareness

Which organisation developed the SAKSHAM counter-Unmanned Aircraft System grid launched by the Indian Army in 2025?

- A. Indian Space Research Organisation Bengaluru
- B. Defence Research and Development Organisation Hyderabad
- C. Hindustan Aeronautics Limited Nashik
- D. Bharat Electronics Limited Ghaziabad ✓

Q84 General Awareness

How many new national records were set during the Khelo India Para Games 2025?

- A. 18 ✓
- B. 20
- C. 15
- D. 12

Q85 General Awareness

Which category of climate finance did India argue should be scaled up *independently* during the post-COP-30 negotiations held in November 2025?

- A. Carbon market finance
- B. Green hydrogen finance
- C. Loss and damage finance
- D. Adaptation finance ✓

Q86 General Awareness

Which organization conducted the National Achievement Survey, renamed PARAKH Rashtriya Sarvekshan in 2024, in which Kerala ranked second?

- A. State Council of Educational Research and Training
- B. National Testing Agency
- C. PARAKH under NCERT in collaboration with CBSE ✓
- D. Central Board of Secondary Education

Q87 General Awareness

Who was voted the 2024 NBA Finals most valuable player (FMVP)?

- A. Jaylen Brown ✓
- B. Jayson Tatum
- C. Immanuel Jaylen Quickley
- D. Malachi Flynn

Q88 General Awareness

The Van Dhan Vikas Kendra at Dugong Creek aims to make the Onge tribe self-sustainable through which of the following?

- A. Herbal medicine production
- B. Bamboo handicrafts
- C. Coconut-based products ✓
- D. Honey and wild forest produce

Q89 General Awareness

Which team won the NBA championship trophy for 2023-24?

- A. Toronto Raptors
- B. Rochester Royals
- C. Boston Celtics ✓
- D. Philadelphia Warriors

Q90 General Awareness

In August 2025, who among the following chaired the Group of Ministers (GoM) that proposed exempting Goods and Services Tax (GST) on life and health insurance policies for individuals?

- A. Samrat Choudhary ✓
- B. Mallu Bhatti Vikramarka
- C. Nitin Gadkari
- D. Ajay Seth

Q91 General Awareness

What is the name of India's first indigenously developed CRISPR gene therapy designed to treat Sickle Cell Disease?

- A. SCD Cure X
- B. CRISPR-Cure
- C. BIRSA 101 ✓
- D. GeneHeal Pro

Q92 General Awareness

In October 2025, who among the following was appointed as the Director General of the Central Industrial Security Force?

- A. Rakesh Asthana
- B. Kuldiep Singh
- C. Anil Kumar
- D. Praveer Ranjan ✓



Q93 General Awareness

As reported in August 2025, the GST Group of Ministers (GoM) proposed to completely exempt premiums paid towards health and life insurance policies from the GST levy. What was the GST rate levied on health insurance premiums in India prior to this proposed exemption?

- A. 5%
- B. 10%
- C. 12%
- D. 18%

**Q94 General Awareness**

In July 2025, which Indian government body submitted its third Voluntary National Review (VNR) to the United Nations High-Level Political Forum (HLPF) on Sustainable Development?

- A. Comptroller and Auditor General of India (CAG)
- B. Reserve Bank of India (RBI)
- C. National Institution for Transforming India (NITI Aayog)
- D. Finance Commission of India (FCI)

**Q95 General Awareness**

Where did Union Home Minister Amit Shah inaugurate India's largest and most modern sports complex in September 2025?

- A. Vadodara
- B. Ahmedabad
- C. Surat
- D. Gandhinagar

**Q96 General Awareness**

Which of the following National Parks received rupees ₹1.5 crore in June 2025 for the establishment of two new Rhino Rehabilitation Areas?

- A. Kaziranga National Park
- B. Dudhwa National Park
- C. Jim Corbett National Park
- D. Sundarbans National Park

**Q97 General Awareness**

Which Vietnamese-American author released 'The Emperor of Gladness' in May 2025?

- A. Colum McCann
- B. Charlotte McConaghy
- C. Sharon Lee
- D. Ocean Vuong

**Q98 General Awareness**

What is one of the primary purposes of the proposed Kulsi project?

- A. Tourism promotion and irrigation
- B. Hydropower generation and irrigation
- C. Industrial development
- D. Military infrastructure

**Q99 General Awareness**

Inaugurated in September 2025, the Monopropellant Thruster Test Facility (MPTTF) primarily supports testing activities related to which broad technological domain?

- A. Hypersonic flight
- B. Space propulsion systems
- C. Satellite navigation
- D. Nuclear propulsion

**Q100 General Awareness**

Which state topped the medal tally at the Khelo India Para Games 2025?

- A. Tamil Nadu
- B. Haryana
- C. Uttar Pradesh
- D. Maharashtra



General Science

25 Questions • Answer Key

Q1 General Science

A child is born with one X chromosome from the mother and one Y chromosome from the father. Which statement accurately describes the consequence of this chromosomal combination?

- A. The child will develop as a female because X chromosome is always dominant over Y chromosome.
- B. The child will develop as a male due to the presence of the Y chromosome. ✓
- C. The child will not develop male characteristics without two Y chromosomes.
- D. The child's sex is determined by the mother, as she provides the X chromosome.

Q2 General Science

Select the statement regarding the cytoplasm of a cell that is INCORRECT.

- A. In a plant cell, cytoplasm is found between cell wall and plasma membrane. ✓
- B. Cytoplasm contains many cell organelles.
- C. Cytoplasm is the fluid-filled region inside plasma membrane.
- D. Cytoplasm is present in both eukaryotic and prokaryotic cells.

Q3 General Science

According to Bohr's model of the atom, in which orbits can electrons revolve around the nucleus?

- A. Elliptical orbits of variable energy
- B. Certain fixed circular paths called discrete orbits ✓
- C. Spiral paths continuously losing energy
- D. Any arbitrary circular path

Q4 General Science

Which change in a flower signals that fertilisation has occurred?

- A. Development of a pollen tube
- B. Petals become larger and brighter
- C. Formation of new stamens
- D. Ovule matures into seed and ovary into fruit ✓

Q5 General Science

Please select the correct option for the assertion-reason statement.

Assertion: The ceiling conference halls are made curved.

Reason: Curved ceilings help the sound to spread evenly in the hall.

- A. Both assertion and reason are true and reason is the correct explanation of assertion. ✓
- B. Assertion is false and reason is true.
- C. Assertion is true but reason is false.
- D. Both assertion and reason are false.

Q6 General Science

What is the role of peristaltic movements in the human digestive system?

- A. To absorb nutrients into the blood
- B. To produce digestive enzymes
- C. To digest proteins in the stomach
- D. To push food forward along the digestive tract ✓

Q7 General Science

The magnetic field due to a solenoid carrying 'I' current is 'B'. What will be the magnetic field due to this solenoid, when the current flowing through the solenoid is halved? (Keeping all the other parameters the same)

- A. 2B
- B. B
- C. B/2 ✓
- D. B/4

Q8 General Science

What do 'check dams' refer to?

- A. Dams built only for industrial water supply
- B. Small huts near rivers
- C. Earthen or concrete structures across flooded gullies ✓
- D. Crescent-shaped hills for farming



Q9 General Science

A ray passing through which of the following parts of a lens emerges undeviated?

A. Between focus and centre

B. Optical centre



C. Principal focus

D. Centre of curvature

Q10 General Science

What does a blue, non-luminous flame indicate when a hydrocarbon is burnt?

A. Lack of oxygen

B. Incomplete combustion and soot formation

C. Complete combustion with high temperature



D. Presence of unburnt carbon

Q11 General Science

Which of the following statements about work is FALSE?

A. Work can be positive, negative, or zero.

B. Work is energy in transit.

C. Work has the same units as energy.

D. Work is a path-independent quantity for all forces.

**Q12 General Science**

Two planets have the same radius. Planet A has twice the mass of Planet B. What is the ratio of acceleration due to gravity on Planet A to that on Planet B?

A. 2 : 1



B. 4 : 1

C. 1 : 2

D. 1 : 1

Q13 General Science

Which of the following statements correctly describes the relationship between mass and inertia?

A. Mass is inversely proportional to inertia

B. Mass is independent of inertia

C. Mass is directly proportional to the square of inertia

D. Mass is directly proportional to inertia

**Q14 General Science**

Which of the following statements is/are correct regarding 'changes of state of matter'?

A) A change of state of matter is a physical change.

B) A change of state of matter is an irreversible change.

A. Only A



B. Both A and B

C. Neither A nor B

D. Only B

Q15 General Science

What does it mean when magnetic field lines are drawn closer together in a diagram?

A. The magnetic field is stronger in that region



B. The magnetic field is weaker in that area

C. The direction of the magnetic field has changed

D. There is no magnetic field present

Q16 General Science

Unsaturated hydrocarbons usually produce:

A. no flame at all

B. white flame with sparkles

C. clean blue flames

D. yellow flame with black smoke

**Q17 General Science**

Refer to the two statements given below and select the correct option.

Statement A: Bleaching powder is produced by the action of chlorine on dry slaked lime.

Statement B: Its chemical formula is CaOCl_2 .

A. Statement A is correct but B is incorrect.

B. Statement A is incorrect but B is correct.

C. Both statements A and B are correct.



D. Both statements A and B are incorrect.

Q18 General Science

Which property of carbon allows it to form a large number of compounds by bonding with itself and other elements?

A. Catenation



B. Combustion

C. Tetravalency

D. Isomerism



Q19 General Science

A car's velocity-time graph is a straight line parallel to the x-axis at 40 km/h. What will the area enclosed between the graph and the time axis from $t = 0$ to $t = 3$ hours represent?

- A. Acceleration of the car
- B. Average speed of the car
- C. Final velocity of the car
- D. Displacement of the car in 3 hours ✓

Q20 General Science

Which process best explains how water droplets form on the outer surface of a cold glass during a hot day?

- A. Evaporation
- B. Freezing
- C. Sublimation
- D. Condensation ✓

Q21 General Science

Which metal is placed highest in the reactivity series?

- A. Gold
- B. Silver
- C. Copper
- D. Sodium ✓

Q22 General Science

Which of the following is an advantage of sexual reproduction in plants?

- A. It occurs only in root systems.
- B. It prevents fertilisation from occurring.
- C. It always requires two plants of different species.
- D. It helps in producing seeds with genetic diversity. ✓

Q23 General Science

The Chipko Movement that took place in the Garhwal Himalayas in 1974 is an example of:

- A. mining-based forest exploitation
- B. community-led protection of trees ✓
- C. government-led reforestation
- D. urban infrastructure development

Q24 General Science

The principal focus of a concave mirror is the point where:

- A. Rays parallel to the principal axis appear to diverge after reflection
- B. The mirror surface intersects the principal axis
- C. Rays parallel to the principal axis converge after reflection ✓
- D. Rays passing through the center of curvature converge

Q25 General Science

When a person touches a hot object, there is a delay in the muscle response. Which part of the nervous tissue is directly responsible for carrying the nerve impulse to the muscle to bring about a quick movement?

- A. Connective tissue
- B. Dendrite
- C. Nucleus
- D. Axon ✓

Mathematics

25 Questions • Answer Key

Q26 Mathematics

A man walks 684 m in 19 minutes, 1078 m in 22 minutes and 2198 m in 31 minutes. His average speed (in m/min) for the whole journey is:

- A. 50
- B. 53
- C. 55 ✓
- D. 49

Q27 Mathematics

An item is sold for ₹660 after allowing a discount of 20% on its marked price. Find the marked price of the item.

- A. ₹835
- B. ₹825 ✓
- C. ₹830
- D. ₹840



Q28 Mathematics

A shopkeeper offers the following four schemes.

- A) Two successive discounts of 28% and 28%
- B) Buy 1, get 4
- C) Discount of 35%
- D) Two successive discounts of 27% and 26%

Which scheme is best for the customer?

A. C

B. D

C. A

D. B

**Q29 Mathematics**

The population of a village was 10500. In a year with the increase in population of males by 10% and that of females by 15%, the population of the village becomes 11,718. What was the difference in the number of males and females in the village initially?

A. 3500

B. 3780



C. 3608

D. 3850

Q30 Mathematics

One pipe can fill a tank in 2 minutes, while another pipe can empty the completely filled tank in 4 minutes. If both the pipes are opened together when the tank is empty, how many minutes will it take to fill one-half of the tank?

A. 3

B. 2



C. 5

D. 4

Q31 Mathematics

The amount on a sum of ₹2,800 at the rate of 5% per annum compound interest, compounded annually, in 2 years will be:

A. ₹3,087



B. ₹3,384

C. ₹3,227

D. ₹3,089

Q32 Mathematics

A shopkeeper buys a toy for ₹500 and spends ₹50 on packaging. He then sells it to a customer at 10% profit. Find the selling price of the toy.

A. ₹650

B. ₹600

C. ₹550

D. ₹605

**Q33 Mathematics**

A car travelling at a speed of 42 km/hour can complete a journey in 12 hours. How long will it take to travel the same distance at 63 km/hour?

A. 7 hours

B. 5 hours

C. 8 hours



D. 3 hours

Q34 Mathematics

The average of the squares of the first 5 natural numbers is:

A. 13

B. 11



C. 12

D. 10

Q35 Mathematics

How many diagonals can be there in a regular polygon with 37 sides?

A. 640

B. 740

C. 629



D. 729

Q36 Mathematics

10 skilled persons can complete a work in 8 days and 10 semi-skilled persons take 12 days to complete the work. How many days will 4 skilled persons and 6 semi-skilled persons together take to complete the work?

A. 14 days

B. 8 days

C. 12 days

D. 10 days



Q37 Mathematics

Let a , b , α and β be prime numbers. n is the number of ordered pairs of a and b where $2 < a < b < 50$ and $b-a=2$. Also, α and β are the least and the greatest prime numbers less than 50. What is the value of $n(\alpha+\beta)$?

A. 598

B. 354

C. 294

D. 493

Q38 Mathematics

A car's price is reduced by 10% in the first year and then increased by 10% in the second year. If the car's initial price was ₹25,000, what is its final price after both changes?

A. ₹25,000

B. ₹25,500

C. ₹24,500

D. ₹24,750

Q39 Mathematics

₹12,405 is divided among P, Q, and R in such a way that if ₹53, ₹88, and ₹76 be deducted from their respective shares, they have money in the ratio 15 : 20 : 9. Find the difference between Q's and R's original shares.

A. ₹2,997

B. ₹3,059

C. ₹3,097

D. ₹3,147

Q40 Mathematics

The average of 6.5, 10.7, 20.2 and a is 18. The value of a is:

A. 34.6

B. 33.6

C. 35.6

D. 36.6

Q41 Mathematics

Find the HCF of 148, 172, and 198.

A. 6

B. 3

C. 12

D. 2

Q42 Mathematics

Simplify:
 $(2^3)^2 \div 2^4$

A. 16

B. 4

C. 8

D. 2

Q43 Mathematics

A cylindrical water tank has a base radius of 7 m and a height of 10 m. Water is filled into the tank at a constant rate. After filling the tank completely, 5% of the water leaks out due to a crack at the bottom. The remaining water is transferred into another cylindrical tank whose base radius is 5 m. Find the height of water in the second tank.

A. 18.62 m

B. 18.26 m

C. 16.82 m

D. 12.68 m

Q44 Mathematics

If the areas of three adjacent faces of a cuboid are x , y , z square units, respectively, then the volume of the cuboid is:

A. $\sqrt{xyz}$ cubic unitsB. $\sqrt{\frac{xyz}{2}}$ cubic unitsC. xyz cubic unitsD. $\sqrt[3]{xyz}$ cubic units

Q45 Mathematics

If $\tan \theta = \frac{3}{4}$ and θ is an acute angle, find the value of $\operatorname{cosec} \theta$.

A. $\frac{5}{3}$



B. $\frac{2}{5}$

C. $\frac{5}{2}$

D. $\frac{3}{5}$

Q46 Mathematics

The cost of 2 balls and 3 bats is ₹84. The cost of 3 balls and 1 bat is ₹63.

What is the cost of 5 balls and 3 bats?

A. ₹126

B. ₹96

C. ₹129



D. ₹111

Q47 Mathematics

If $x + y + z = 0$, where none of x , y and z is equal to 0, then find the value of $\frac{x^2}{yz} + \frac{y^2}{zx} + \frac{z^2}{xy}$.

A. -3

B. 4

C. 2

D. 3

**Q48** Mathematics

If 60% of 80% of $\frac{3}{5}$ of a number is 216, find the number.

A. 3040

B. 1990

C. 2090

D. 750



Q49 Mathematics

Which number should replace both the question marks in the following equation?

$$\frac{?}{34} = \frac{306}{?}$$

- A. 87
- B. 112
- C. 102
- D. 119

**Q50 Mathematics**

The sum of the present ages of a man and his son is 50 years. After five years, the man's age will be three times that of his son. Find the present age of the son.

- A. 12 years
- B. 10 years
- C. 11 years
- D. 14 years

**General Intelligence & Reasoning**

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

Refer to the following number, symbol series and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers only.)

(Left) 3 6 @ 4 5 6 # 2 9 4 = 3 1 9 4 5 % 3 6 8 7 & 1 7 * 8
(Right)

How many such symbols are there each of which is immediately preceded by an odd number and also immediately followed by an even number?

- A. Three
- B. One
- C. None
- D. Two

**Q52 General Intelligence & Reasoning**

ZCIS is related to WAMU in a certain way based on the English alphabetical order. In the same way, TINV is related to QGRX. To which of the following is ODLK related to, following the same logic?

- A. KROM
- B. HSPN
- C. ITPN
- D. LBPM

**Q53 General Intelligence & Reasoning**

Manoj starts from Point A and drives 9 km towards south. He then takes a left turn, drives 7 km, turns left and drives 11 km. He then takes a left turn and drives 10 km. He takes a final left turn, drives 2 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degree turns only, unless specified.)

- A. 3 km to the east
- B. 4 km to the east
- C. 4 km to the west
- D. 3 km to the west

**Q54 General Intelligence & Reasoning**

Rajat ranked 34th from the top and 25th from the bottom in his class. How many students are there in his class?

- A. 56
- B. 58
- C. 59
- D. 57



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Q55 General Intelligence & Reasoning

This question is based on the five, three-digit numbers given below.

(Left) 439 745 327 652 532 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

NOTE - All operations to be done from left to right.

If 2 is added to the first digit of every number, in how many numbers will the first digit be exactly divisible by the second digit?

A. One



B. Three

C. Two

D. None

Q56 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

42 48 57 69 84 ?

A. 102



B. 96

C. 105

D. 99

Q57 General Intelligence & Reasoning

Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion/s logically follow/s from the given statements.

Statements: All horses are ants. Some horses are donkeys.

No donkey is a bull.

Conclusion (I) : Some ants are donkeys.

Conclusion (II) : No bull is a donkey.

A. Neither conclusion (I) nor (II) follows.

B. Only conclusion (I) follows.

C. Only conclusion (II) follows.

D. Both conclusions (I) and (II) follow.

**Q58 General Intelligence & Reasoning**

If 'A' stands for '+', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', then what will come in place of question mark (?) in the following equation?

76 A 4 C 18 B 9 D 12 B 2 C 180 A 2 D 15 B 3 C 151 = ?

A. 337

B. 391

C. 319

D. 353

**Q59 General Intelligence & Reasoning**

What should come in place of the question mark (?) in the given series?

91 92 94 98 106 ?

A. 122



B. 123

C. 121

D. 124

Q60 General Intelligence & Reasoning

SWYM is related to JNPD in a certain way based on the English alphabetical order. In the same way, IMOC is related to ZDFT. To which of the following options is HLN B related, following the same logic?

A. YESD

B. YCES



C. YCDS

D. YCXZ

Q61 General Intelligence & Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting / multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

3 - 6 - 18

5 - 8 - 40

A. 15 - 3 - 55

B. 4 - 5 - 23

C. 2 - 7 - 14



D. 9 - 8 - 64



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Q62 General Intelligence & Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- A. KQV
- B. EKP
- C. QWB
- D. MSZ

**Q63 General Intelligence & Reasoning**

Mr. Trombitas starts from Point A and drives 26 km towards east. He then takes a right turn, drives 18 km, turns right and drives 34 km. He then takes a right turn and drives 39 km. He takes a final right turn, drives 8 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only, unless specified.)

- A. 21 km to the south
- B. 21 km to the north
- C. 24 km to the west
- D. 24 km to the east

**Q64 General Intelligence & Reasoning**

A, B, C, D, N, O and P are sitting in a straight line, facing the north.

Only five people sit between B and O. D sits to the immediate left of O. Only one person sits between D and N. C sits at some place to the left of P but at some place to the right of A.

Who sits third from the left end of the line?

- A. C
- B. B
- C. N
- D. O

**Q65 General Intelligence & Reasoning**

Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster)

- A. QTX
- B. WZD
- C. LOR
- D. ILP

**Q66 General Intelligence & Reasoning**

Refer to the following letter series and answer the question.

(Left) W M T R B L A D N K Y F Q O G C E Z X U H V (Right)

How many consonants are there between the letter's "A" and "Y" in the given series?

- A. Two
- B. Three
- C. Five
- D. Four

**Q67 General Intelligence & Reasoning**

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

IJG 19 HIF 15 GHE 11 FGD 7 ?

- A. EFC 3
- B. EMV 2
- C. EEB 2
- D. EGB 3

**Q68 General Intelligence & Reasoning**

In a certain code language,

A+ B means 'A is the sister of B'

A # B means 'A is the brother of B'

A × B means 'A is the wife of B'

A @ B means 'A is the father of B'

Based on the above, how is L related to R if 'L@O+V×E#R'?

- A. Father's brother
- B. Brother's father
- C. Brother's wife's brother
- D. Brother's wife's father

**Q69 General Intelligence & Reasoning**

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

GSN 14, EQL 23, COJ 32, AMH 41, ?

- A. YKE 49
- B. YKF 50
- C. YJD 50
- D. ZKE 49



Q70 General Intelligence & Reasoning

If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will come in place of question mark '?' in the following equation?

$$49 \text{ A } 7 \text{ C } 8 \text{ B } 9 \text{ D } 5 = ?$$

A. 74



B. 71

C. 73

D. 72

Q71 General Intelligence & Reasoning

Pragya ranked 18th from the bottom and 14th from the top in her class. How many students are there in her class?

A. 30

B. 31



C. 28

D. 29

Q72 General Intelligence & Reasoning

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements: All dusters are wipers. All wipers are buckets.

Conclusion (I): No bucket is a duster

Conclusion (II): Some buckets are dusters

A. Only conclusion (II) follows



B. Only conclusion (I) follows

C. Neither conclusion (I) nor (II) follows

D. Both conclusions (I) and (II) follow

Q73 General Intelligence & Reasoning

A, B, C, D, E, F and G are sitting around a circular table facing the centre. C sits second to the right of D. Only one person sits between B and C. F is the immediate neighbour of G and B. A sits third to the left of G.

How many people sit between E and B when counted from the left of B?

A. Two



B. Four

C. Three

D. One

Q74 General Intelligence & Reasoning

Which two numbers should be interchanged to make the following equation correct?

$$(45 \div 9) + (2 \times 3 \times 5) \div 6 + 4 \times 7 - 15 = 31$$

(Note: The entire number should be interchanged and not individual digits of a given number.)

A. 9 and 5



B. 4 and 3

C. 4 and 2

D. 9 and 15

Q75 General Intelligence & Reasoning

Seven people, L, M, N, O, P, Q and R are sitting in a straight row, facing north. Only three people sit to the left of M. M sits third to the left of N. Q sits fourth to the left of R. P is not an immediate neighbour of M. L sits second to the right of P. Who sits to the immediate right of M?

A. L

B. Q

C. O



D. R

Q76 General Intelligence & Reasoning

FSZI is related to AWWK in a certain way based on the English alphabetical order. In the same way, HMRD is related to CQOF. To which of the following is VMYF related, following the same logic?

A. PPVI

B. PQUI

C. QQVH



D. QPUH

Q77 General Intelligence & Reasoning

In a certain code language, 'ships cross seas' is coded as 'qn ed jy' and 'spot the ships' is coded as 'jy is tk'. How is 'ships' coded in the given language?

A. is

B. jy



C. qn

D. tk



Q78 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

193 183 173 163 153 ?

A. 144

B. 132

C. 143



D. 133

Q79 General Intelligence & Reasoning

In a certain code language, 'storms shake trees' is coded as 'fo ej va' and 'hide from storms' is coded as 'va ur qh'. How is 'storms' coded in the given language?

A. ej

B. fo

C. qh

D. va

**Q80 General Intelligence & Reasoning**

Refer to the given number series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 3 5 6 7 2 1 8 1 2 7 6 8 9 6 2 6 5 3 5 6 5 1 4 8 5 8 5 7 9
2 (Right)

How many such even digits are there, each of which is immediately preceded by a perfect square digit and also immediately followed by an even digit? (NOTE: 1 is also a perfect square.)

A. Two



B. More than three

C. One

D. Three

General Awareness

20 Questions • Answer Key

Q81 General Awareness

Which of the following countries hosted the 8th International Solar Alliance (ISA) Assembly in October 2025?

A. Brazil

B. India



C. France

D. United Arab Emirates

Q82 General Awareness

At the Paris Diamond League in June 2025, which athlete set a meet record of 48.81 s in the women's 400 m?

A. Marileidy Paulino



B. Mara Yamauchi

C. Salwa Eid Naser

D. Faith Cherotich

Q83 General Awareness

Who among the following won the player of the match in the finals of the ICC Women's Cricket World Cup 2025?

A. Marizanne Kapp

B. Smriti Mandhana

C. Shafali Verma



D. Deepti Sharma

Q84 General Awareness

What is the name of India's first AI teacher?

A. Sophia

B. Ava

C. Ada

D. Iris

**Q85 General Awareness**

In November 2025, who among the following took oath as Chief Minister of Bihar for a record 10th time?

A. Nitish Kumar



B. Sushil Modi

C. Lalu Prasad Yadav

D. Tejashwi Yadav

Q86 General Awareness

In October 2025, which of the following regulatory authorities restricted the commercial use of the term 'ORS' in beverages?

A. Food Safety and Standards Authority of India



B. Directorate General of Health Services

C. National Medical Council

D. Indian Council of Medical Research



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Q87 General Awareness

What was India's overall score in the Corruption Perceptions Index (CPI) for the year 2024 released in February 2025?

A. 41

B. 36

C. 38



D. 43

Q88 General Awareness

In June 2025, which Indian pair clinched the gold medal in the 10m air rifle mixed team event at the International Shooting Sport Federation (ISSF) World Cup in Munich?

A. Arya Borse and Arjun Babuta



B. Anjum Moudgil and Deepak Kumar

C. Mehuli Ghosh and Shahu Tushar Mane

D. Apurvi Chandela and Divyansh Singh Panwar

Q89 General Awareness

In the Union Budget, 2025–26, the Government of India announced a comprehensive multi-sectoral 'Rural Prosperity and Resilience' programme that aims _____.

A. to address under-employment in agriculture



B. to address administrative problems in rural areas

C. to address the drop out problem in school

D. to develop the sports facilities in rural areas

Q90 General Awareness

Which romance novel by creator Prajakta Koli debuted in January 2025?

A. Theory & Practice

B. Too Good to Be True



C. The Subdued Sound

D. Bleeding Bangles

Q91 General Awareness

Which among the following small finance banks was granted **in-principle approval** in August 2025 to become a **Universal Bank**?

A. Ujjivan Small Finance Bank

B. Equitas Small Finance Bank

C. Jana Small Finance Bank

D. AU Small Finance Bank



Q92 General Awareness

In World Cup 2024 Player of the Match in the Final ICC T20 match was awarded to_____.

A. Virat Kohli



B. Tim Southee

C. Rahmanullah Gurbaz

D. Shai Hope

Q93 General Awareness

In August 2025, the Reserve Bank of India (RBI) appointed which individual as an ex-officio member of the Monetary Policy Committee, ahead of the October policy meeting?

A. Nirmala Sitharaman

B. Indranil Bhattacharyya



C. Rajiv Ranjan

D. Michael Patra

Q94 General Awareness

Which city was reported among the top 10 most polluted cities in the world on December 28, 2025?

A. Kolkata

B. Chennai

C. Delhi



D. Mumbai

Q95 General Awareness

As announced in November 2025, IN-SPACE and SIDBI signed an agreement to operationalise a ₹1,000 crore venture capital fund for which sector?

A. Textile manufacturing companies

B. Tourism enterprises

C. Space startups



D. Agricultural startups

Q96 General Awareness

In November 2025, which Indian state approved the Polygamy Prohibition Bill, 2025?

A. Uttarakhand

B. Tripura

C. Himachal Pradesh

D. Assam



Q97 General Awareness

In which year was the Bill to amend the Disaster Management Act, 2005 passed by the Parliament?

A. 2022

B. 2024



C. 2025

D. 2023

Q98 General Awareness

On July 3, 2025, which global body approved India's first Equine Disease-Free Compartment (EDFC), marking a major achievement in animal health?

A. International Veterinary Council (IVC)

B. World Health Organization (WHO)

C. World Organisation for Animal Health (WOAH)



D. Food and Agriculture Organization (FAO)

Q99 General Awareness

Who hosted the 51st G7 Summit in 2025?

A. Canada



B. France

C. Japan

D. Italy

Q100 General Awareness

Who received the Dadasaheb Phalke Award at the 71st National Film Awards in 2025?

A. Rajkumar

B. Prithviraj

C. Mohanlal



D. Kamal



General Science

25 Questions • Answer Key

Q1 General Science

Which of the following cell structures helps amoeba to acquire its food material?

- A. Nuclear membrane
- B. Cilia
- C. Flagella
- D. Plasma membrane ✓

Q2 General Science

When iron filings are mixed with sulfur powder and the mixture is heated, a black substance called iron sulfide is formed. Which statement best describes the changes involved?

- A. Iron dissolves in sulfur forming a solution.
- B. A physical change occurs as the substances are only mixed.
- C. A chemical change occurs as a new substance is formed. ✓
- D. A reversible physical change takes place.

Q3 General Science

If the wavelength of light is 600 nm and its speed is 3×10^8 m/s, the frequency is approximately _____.

- A. 3×10^8 Hz
- B. 2×10^{12} Hz
- C. 6×10^{10} Hz
- D. 5×10^{14} Hz ✓

Q4 General Science

Which trophic level represents maximum concentration of pesticides by biological magnification?

- A. Tertiary Consumer ✓
- B. Primary Consumer
- C. Producer
- D. Secondary Consumer

Q5 General Science

Which of the following changes can be regarded as part of sexual maturation in human males?

- A. Cracking of voice ✓
- B. Increase in weight
- C. Increase in height
- D. Deposition of fat in hips

Q6 General Science

If a conductor has a potential difference of 1 volt across its ends and a current of 1 ampere flows through it, what is its resistance?

- A. 10 ohm
- B. 2 ohm
- C. 1 ohm ✓
- D. 0.5 ohm

Q7 General Science

Which of the following devices works on Archimedes' principle?

- A. Sphygmomanometer
- B. Hydrometer ✓
- C. Altimeter
- D. Aneroid barometer

Q8 General Science

If several rays of light parallel to the principal axis are falling on a convex lens, which of the following statements is correct for the refracted ray?

- A. They pass without any deviation.
- B. They converge at a point on the opposite side of the lens. ✓
- C. They diverge as if coming from the principal focus.
- D. They meet at the infinity.



Q9 General Science

Galvanisation protects iron from rusting by coating it with a thin layer of:

- A. Zinc metal only** ✓
- B. Silver metal only
- C. Nickel metal only
- D. Copper metal only

Q10 General Science

Fertilization in females usually occurs in which region of the reproductive system?

- A. Fallopian Tube** ✓
- B. Vagina
- C. Uterus
- D. Ovary

Q11 General Science

An object is placed at 80 cm on the left of a convex lens of focal length 40 cm. Where should a screen be placed to right of the lens so that the image formed is real, inverted and same sized?

- A. The screen should be placed 80 cm from the lens.** ✓
- B. The screen should be placed anywhere between 20 cm and 40 cm from the lens.
- C. The screen should be placed anywhere between 40 cm and 80 cm from the lens.
- D. The screen should be placed at 40 cm from the lens.

Q12 General Science

Substitution reaction involves:

- A. Addition of atoms to double bonded molecules
- B. Removal of atoms to form simpler molecules
- C. Replacement of a carbon atom with hydrogen
- D. One atom or group of atoms being replaced by another** ✓

Q13 General Science

Which of the following fish production methods are done in the region of Kashmir?

- A. Pearl Culture
- B. Aqua Culture** ✓
- C. Brackish Water Fisheries
- D. Marine Fisheries

Q14 General Science

Match the following plants with their correct modes of seed dispersal.

Column A	Column B
1. Dandelions	a. Water
2. Lotus	b. Explosion
3. Mango	c. Wind
4. Castor	d. Animal

- A. 1 – c, 2 – d, 3 – a, 4 – b
- B. 1 – a, 2 – d, 3 – b, 4 – c
- C. 1 – b, 2 – a, 3 – d, 4 – c
- D. 1 – c, 2 – a, 3 – d, 4 – b** ✓

Q15 General Science

The molecular mass of a compound is 63 u. If it contains one hydrogen atom and three oxygen atoms, the atomic mass of the remaining element is :

- A. 14 u** ✓
- B. 32 u
- C. 16 u
- D. 12 u

Q16 General Science

Which of the following represents a similarity between chloroplast and Mitochondria?

- A. Both possess their own DNA and 70S Ribosome.** ✓
- B. Both perform photosynthesis.
- C. Both perform respiration.
- D. Both have chlorophyll.

Q17 General Science

Why does the blue colour of copper sulphate solution fade when an iron nail is dipped in it?

- A. Copper sulphate is converted into iron sulphate** ✓
- B. Copper sulphate decomposes
- C. Iron sulphate is colourless
- D. Copper dissolves in water



Q18 General Science

Under what spatial condition is the magnitude of the force acting on a current-carrying conductor placed in a uniform magnetic field observed to be the highest?

- A. When the current is varied instantaneously.
- B. When the current and field are perpendicular to each other. ✓
- C. When the current flows towards the south pole of the magnet.
- D. When the current and field are parallel.

Q19 General Science

The kinetic energy of an object of mass m moving with a velocity v is 25 J. What will be its kinetic energy when its velocity is increased three times ($3v$)?

- A. 75 J
- B. 150 J
- C. 225 J ✓
- D. 125 J

Q20 General Science

When a person stands stationary on the ground, the force of gravity exerted by the Earth on the person (Action) and the normal force exerted by the ground on the person (Reaction) are equal and opposite. Is this an action-reaction pair, according to Newton's Third Law?

- A. Yes, because they balance each other, preventing motion.
- B. No, because the two forces act on the same object. ✓
- C. No, because the two forces act on different objects.
- D. Yes, because the two forces are equal and opposite in magnitude.

Q21 General Science

Which of the following acts as an olfactory indicator in acid-base reactions?

- A. Methyl orange produces odour in base
- B. Turmeric turns blue in bases
- C. Onion extract changes smell in bases ✓
- D. Phenolphthalein turns pink in acids

Q22 General Science

What is a necessary property of the electrolyte used during the refining of metals by electrolysis?

- A. It must be composed of both water and a layer of neutral oil
- B. It must remain completely non-reactive throughout the procedure
- C. It must efficiently conduct heat during the electrochemical process
- D. It must be an aqueous or molten solution of a suitable metal salt ✓

Q23 General Science

Which cell organelles in a leaf contain chlorophyll necessary for photosynthesis?

- A. Vacuole
- B. Chloroplasts ✓
- C. Mitochondria
- D. Nucleus

Q24 General Science

In a v - t graph for uniform acceleration, which of the following is NOT correct?

- A. The area under the v - t graph gives displacement.
- B. The slope of the v - t graph is constant.
- C. The v - t graph is always curved. ✓
- D. Positive slope indicates acceleration.

Q25 General Science

Which of the following factors primarily determines the size of an atom?

- A. Number of protons
- B. Number of neutrons
- C. Number of electrons ✓
- D. Mass of the nucleus



Q26 Mathematics

Five years ago, the ratio of Priya's age to Meera's age was 3 : 2. The difference of their present ages is 10 years. What is Meera's current age?

- A. 29 years
- B. 25 years
- C. 20 years
- D. 35 years

**Q27 Mathematics**

The mode and median of a data are 46.2 and 40, respectively. What is the mean of the data? (Use empirical formula.)

- A. 38.8
- B. 36.9
- C. 47.6
- D. 45.2

**Q28 Mathematics**

Bina sells an article to Shyam at a 19% loss for ₹4,860. Shyam then sells it to Hari for the price Bina would have needed to sell to make a 17% profit. What is Shyam's profit?

- A. ₹1,260
- B. ₹2,160
- C. ₹1,740
- D. ₹2,520

**Q29 Mathematics**

Two pipes, M and N, can fill a tank in 10 minutes and 15 minutes, respectively. Both pipes are opened together but after 5 minutes, pipe M is turned off. What is the total time required to fill the tank?

- A. 10 minutes
- B. 5 minutes
- C. 5.5 minutes
- D. 7.5 minutes

**Q30 Mathematics**

A and B started moving at the same time towards each other from points X and Y, respectively. After meeting on the way, A and B took 90.9 hours and p hours, respectively, to reach Y and X, respectively. If the speed of B is 50% more than that of A, then what is the value of p?

- A. 42.4
- B. 40.4
- C. 39.7
- D. 38.9

**Q31 Mathematics**

The amount on a sum of ₹3,300 at 10% per annum compound interest, compounded annually, in 2 years will be:

- A. ₹3,583
- B. ₹3,826
- C. ₹4,939
- D. ₹3,993

**Q32 Mathematics**

The average of 6.5, 10.7, 20.2 and a is 15. The value of a is:

- A. 22.6
- B. 24.6
- C. 23.6
- D. 21.6

**Q33 Mathematics**

If $\sec^2 A + \operatorname{cosec}^2 A = 13$, and A is an acute angle, then find the value of $\tan^2 A + \cot^2 A$.

- A. 11
- B. 12
- C. 15
- D. 9



Q34 Mathematics

The expenditure of Sudha is 175% more than her savings. If her expenditure decreases by 12% and savings increase by 40.5%, then by what percentage does her income increase?

A. 2%



B. 6%

C. 4%

D. 7%

Q35 Mathematics

Rashmi buys 34 mobile stands for ₹6,800. Now, she decides to start a small business by selling these stands. How many mobile stands can she buy for ₹13,600?

A. 66

B. 65

C. 67

D. 68

**Q36 Mathematics**

Successive discounts of 2% and 21% are equivalent to what single discount?

A. 23.24%

B. 22.58%



C. 26.37%

D. 24.52%

Q37 Mathematics

Rahul's monthly expenditure is 75% of his monthly income. If the monthly savings are ₹10,000, calculate his monthly income.

A. ₹50,000

B. ₹45,000

C. ₹30,000

D. ₹40,000

**Q38 Mathematics**

If the surface area of a sphere is 5544 cm^2 , then find its diameter (in cm). (Use $\pi = 22/7$)

A. 36

B. 40

C. 42



D. 21

Q39 Mathematics

If ₹2,239 is divided among 269 children such that each girl and each boy get ₹7 and ₹9, respectively, then how many boys are there?

A. 138

B. 218

C. 238

D. 178

**Q40 Mathematics**

A farmer wants to prepare 20 kg of fertiliser mixture containing 42% nitrogen by mixing two types of fertilisers, A and B. Fertiliser A contains 30% nitrogen, and fertiliser B contains 50% nitrogen. How many kilograms of each fertiliser should he mix?

A. 10 kg of A, 10 kg of B

B. 8 kg of A, 12 kg of B



C. 12 kg of A, 8 kg of B

D. 6 kg of A, 14 kg of B

Q41 Mathematics

From the salary of an officer, 10% is deducted as house rent. Of the remaining amount, he spends 20% on conveyance, 20% of the rest on income tax, and 10% of the balance on clothes. He is left with ₹23,328. What is his total salary?

A. ₹35,000

B. ₹45,000



C. ₹30,000

D. ₹40,000

Q42 Mathematics

The H.C.F. and the L.C.M. of two numbers are 18 and 1296, respectively. If one of the numbers is 162, find the other one.

A. 108

B. 180

C. 126

D. 144



Q43 Mathematics

The outer and inner diameters of a hollow cylindrical pipe are 10 cm and 6 cm, respectively. If its length is 21 cm, then its total surface area is:

A. $368\pi \text{ cm}^2$



B. $154\pi \text{ cm}^2$

C. $168\pi \text{ cm}^2$

D. $472\pi \text{ cm}^2$

Q44 Mathematics

P and Q together can fill a cistern with water in 3 hours. If P alone can fill the cistern with water in 12 hours, then in how many hours will Q alone fill one-fourth of the same cistern with water?

A. 2

B. 3

C. 1



D. 4

Q45 Mathematics

₹5,398 is divided among X, Y, and Z in such a way that if ₹16, ₹15, and ₹75 be deducted from their respective shares, they have money in the ratio 2 : 21 : 4. Find the difference between the Y's and Z's original shares.

A. ₹3,232

B. ₹3,272



C. ₹3,182

D. ₹3,282

Q46 Mathematics

Simplify: $\frac{(p-q)^3 + (q-r)^3 + (r-p)^3}{(p-q)(q-r)(r-p)}$

A. 1

B. pqr

C. (p - q)

D. 3

**Q47 Mathematics**

A shopkeeper earns a profit of 10% after allowing a discount of 20% on the marked price. The cost price of the article whose marked price is ₹880 is:

A. ₹680

B. ₹774

C. ₹704

D. ₹640

**Q48 Mathematics**

If $2^{3y+x} = 16$ and $2^{2y-x} = 64$, then the value of y is:

A. 2



B. -2

C. 1

D. 3



Q49 Mathematics

In a regular polygon, the number of diagonals is 9. Find the difference between one interior angle and one exterior angle of the polygon.

A. 48°

B. 55°

C. 60° ✓

D. 70°

Q50 Mathematics

In a 100 – m race, A covers the distance in 36 seconds and B covers the same distance in 45 seconds. In this race A beats B by:

A. 22 metres

B. 20 metres ✓

C. 23 metres

D. 17 metres

General Intelligence & Reasoning

30 Questions • Answer Key

Q51 General Intelligence & Reasoning

Fawad starts from Point A and drives 13 km towards the North. He then takes a right turn, drives 11 km, turns right and drives 14 km. He then takes a right turn and drives 12 km. He takes a final right turn, drives 1 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified)

A. 2 km to the east

B. 1 km to the east ✓

C. 3 km to the east

D. 4 km to the east

Q52 General Intelligence & Reasoning

DUBW is related to PGNI in a certain way based on the English alphabetical order. In the same way, ZQXS is related to LCJE. To which of the following options is JAHG related to, following the same logic?

A. VBHY

B. VMOT

C. VTIO

D. VMTO ✓

Q53 General Intelligence & Reasoning

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements: Some cookies are juices. All juices are breads.

Conclusion (I): Some breads are cookies

Conclusion (II): No cookie is a bread

A. Both conclusions (I) and (II) follow

B. Only conclusion (II) follows

C. Only conclusion (I) follows ✓

D. Neither conclusion (I) nor (II) follows

Q54 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

DHK31 EIL40 FJM49 GKN58 ?

A. HLO67 ✓

B. HLP68

C. HLP67

D. HLO68



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Q55 General Intelligence & Reasoning

Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster)

A. NSV

B. VZC

C. GLO

D. KPS

Q56 General Intelligence & Reasoning

In a certain code language,

A + B means 'A is the sister of B'

A # B means 'A is the brother of B'

A × B means 'A is the wife of B'

A @ B means 'A is the father of B'

Based on the above, how is L related to R if 'L × O # V + E @ R'?

A. Father's brother's wife

B. Father's brother's daughter

C. Wife

D. Daughter

Q57 General Intelligence & Reasoning

What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$170 \div 2 - 150 \div 2 + 254 \times 2 - 156 \times 3 - 10 = ?$$

A. 421

B. 575

C. 601

D. 497

Q58 General Intelligence & Reasoning

Refer to the following letter series and answer the question.

(Left) C X Z A L P W T M D B R O J K F G V Q H E N (Right)

What is the position of letter "L" in the series from the left end?

A. Seventh

B. Fifth

C. Sixth

D. Fourth

Q59 General Intelligence & Reasoning

If 3 is added to each odd digit and 2 is subtracted from each even digit in the number 5341256, what will be difference between the highest and lowest digits in the number thus formed?

A. 0

B. 8

C. 4

D. 2

Q60 General Intelligence & Reasoning

This question is based on the five, three-digit numbers given below.

(Left) 475 326 157 761 829 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

NOTE - All operations to be done from left to right.

If all the numbers are arranged in ascending order, the position of how many numbers will remain unchanged?

A. Two

B. Three

C. None

D. One

Q61 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

57 68 79 90 101 ?

A. 111

B. 112

C. 117

D. 116

Q62 General Intelligence & Reasoning

Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) 2 5 6 & 8 & < \$ < 7 4 ^ \$ 6 5 9 2 & 7 2 % (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by another symbol?

A. Three

B. None

C. One

D. Two



Q63 General Intelligence & Reasoning

Seven people, S, Q, U, A, R, E and D are sitting in a row, facing north. Only two people sit between U and E. Only Q sits to the right of D. Only one person sits between E and D. S sits at some place to the right of A but at some place to the left of R.

How many people sit between R and A?

- A. One
- B. Four
- C. Three
- D. Two

**Q64 General Intelligence & Reasoning**

In a certain code language, 'LEMA' is coded as '5681' and 'ALES' is coded as '6513'. What is the code for 'S' in the given code language?

- A. 3
- B. 6
- C. 5
- D. 1

**Q65 General Intelligence & Reasoning**

What should come in place of '?' in the given series?
155 163 179 187 203 ?

- A. 213
- B. 215
- C. 211
- D. 209

**Q66 General Intelligence & Reasoning**

Six people, A, B, C, D, E and F, are sitting in a row, facing north. Only two people sit to the left of F. Only one person sits between D and E. F sits to the immediate left of D. A sits to the immediate right of C. B sits third to the right of A. Who sits at the extreme left end of the line?

- A. A
- B. D
- C. E
- D. C

**Q67 General Intelligence & Reasoning**

J, K, L, M, N and O are sitting around a circular table facing the centre. N is an immediate neighbour of both L and M. J is sitting to the immediate left of L. K is sitting third to the right of N.

How many people sit between J and M when counted from the left of M?

- A. Four
- B. Two
- C. Three
- D. One

**Q68 General Intelligence & Reasoning**

In a certain code language, 'MULE' is coded as '7536' and 'LUKE' is coded as '6723'. What is the code for 'K' in that language?

- A. 6
- B. 2
- C. 7
- D. 3

**Q69 General Intelligence & Reasoning**

All 133 people are standing in a row facing north. Mr. Lkj is 24th from the right end while Mr. Ihg is 33rd from the left end. How many people are there between Mr. Lkj and Mr. Ihg?

- A. 76
- B. 75
- C. 78
- D. 77

**Q70 General Intelligence & Reasoning**

Deepu starts from point K and drives 12 km towards the East. He then takes a left turn, drives 6 km, turns right, and drives 3 km. He then takes a right turn and drives 6 km. Finally, he takes a right turn, drives 5 km, and stops at point P. How far (shortest distance) and towards which direction should he drive in order to reach point K again? (All turns are 90 degrees turns only unless specified).

- A. 5 km towards the West
- B. 8 km towards the South
- C. 10 km towards the North
- D. 10 km towards the West



Q71 General Intelligence & Reasoning

Refer to the following series and answer the question.
(Counting to be done from left to right only) (All numbers are single-digit numbers only).

(Left) 9 8 7 6 5 4 3 2 1 3 9 8 7 6 (Right)

How many such even numbers are there, each of which is immediately preceded by an odd number and immediately followed by an odd number?

A. Two

B. More than three



C. One

D. Three

Q72 General Intelligence & Reasoning

Read the given statements and conclusions carefully.
Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some grapes are oranges.

All oranges are apples.

Conclusions:

(I) Some grapes are apples.

(II) All apples are oranges.

A. Only conclusion (I) follows



B. Both conclusions (I) and (II) follow

C. Neither conclusion (I) nor (II) follows

D. Only conclusion (II) follows

Q73 General Intelligence & Reasoning

What should come in place of the question mark (?) in the given series?

32 42 57 77 102 ?

A. 131

B. 134

C. 133

D. 132

**Q74 General Intelligence & Reasoning**

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed.

Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(188, 47, 45)

(224, 56, 54)

A. (332, 83, 77)

B. (284, 71, 69)



C. (152, 38, 32)

D. (248, 68, 66)

Q75 General Intelligence & Reasoning

Preeti ranked 9th from the bottom and 8th from the top in her class. How many students are there in her class?

A. 14

B. 13

C. 15

D. 16

**Q76 General Intelligence & Reasoning**

IKLO is related to XZAD in a certain way based on the English alphabetical order. In the same way, QSTW is related to FHIL. To which of the following options is JLMP related to, following the same logic?

A. YRTE

B. YABE



C. YBDE

D. YEAB

Q77 General Intelligence & Reasoning

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

BKQ:FOU

DJM:HNQ

A. TYP:VHU

B. ELO:IPS



C. BST:HIS

D. VTO:FRS



Q78 General Intelligence & Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

XUE 19, BYI 27, FCM 35, JGQ 43, ?

A. NLU 52

B. MKV 51

C. LJU 52

D. NKU 51

**Q79 General Intelligence & Reasoning**

If '+' means 'subtraction', '-' means 'multiplication', '×' means 'division' and '÷' means 'addition', then what will come in place of the question mark (?) in the following equation?

$$19 + 32 \times 4 \div 9 - 3 = ?$$

A. 32

B. 35

C. 37

D. 38

**Q80 General Intelligence & Reasoning**

Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster)

A. DHK

B. HMP



C. VZC

D. YCF

General Awareness

20 Questions • Answer Key

Q81 General Awareness

According to the World Bank's Gini Index for 2025, which country has been ranked as the fourth most equal in terms of income distribution?

A. Sweden

B. Canada

C. Japan

D. India

**Q82 General Awareness**

Who was honored with the Satyajit Ray Memorial Award at the 21st Third Eye Asian Film Festival in 2025?

A. Shah Rukh Khan

B. Amitabh Bachan

C. Javed Ali Khan

D. Rafique Baghdadi

**Q83 General Awareness**

Which among the following banks appointed **Rajiv Anand** as Chief Executive Officer (CEO) for a three-year term starting **August 25, 2025**?

A. Axis Bank

B. IDFC First Bank

C. Kotak Mahindra Bank

D. IndusInd Bank

**Q84 General Awareness**

Who inaugurated the Esports Conclave 2025 in New Delhi?

A. Narendra Modi

B. Mansukh Mandaviya

C. Anurag Thakur

D. Raksha Nikhil Khadse



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Q85 General Awareness

Which Indian documentary received the World Cinema Documentary Special Jury Award for Craft at Sundance 2025?

A. Nocturnes by Anirban Dutta and Anupama Srinivasan ✓

B. Echo by Meena Longjam

C. Hope by K Sathyanarayan

D. Beyond Blast by Saikhom Ratan

Q86 General Awareness

Which of the following was the full-fledged annual Summit of the Shanghai Cooperation Organization (SCO) held in 2025, where multilateral cooperation, economic resilience, and Global-South development priorities were strongly emphasized?

A. Tianjin SCO Summit ✓

B. New Delhi SCO Summit

C. Samarkand SCO Summit

D. Astana SCO Summit

Q87 General Awareness

According to the 2024 report by the United Nations Inter-agency Group for Child Mortality Estimation (UN IGME), India achieved a major milestone by reducing the percentage of zero-dose children from 0.11% in 2023 to what percentage in 2024?

A. 0.10%

B. 0.06% ✓

C. 0.03%

D. 0.09%

Q88 General Awareness

On 26 March 2025, the DRDO and the Indian Navy successfully conducted a flight-test of which missile from the Integrated Test Range (ITR), Chandipur?

A. SAMAR-1

B. Astra Mk-2

C. VLSRSAM ✓

D. Akash-NG

Q89 General Awareness

In February 2025, the Insurance Regulatory and Development Authority of India (IRDAI) issued a circular enabling customers to block premium payment via which method for life and health policies?

A. Cheque stop

B. UPI one-time mandate ✓

C. ECS recurring mandate

D. Standing Debit Order

Q90 General Awareness

As per Copernicus Climate Change Service (C3S), January 2025, which Indian city experienced record-breaking air pollution levels in January 2025 due to temperature inversion and climate change effects?

A. Chennai

B. Bengaluru

C. New Delhi ✓

D. Mumbai

Q91 General Awareness

In October 2024, which two countries reached a historic political agreement on the return of Mauritian sovereignty over the Chagos Archipelago, including Diego Garcia?

A. The Republic of Mauritius and the United Kingdom ✓

B. The United States and the Republic of Mauritius

C. Germany and the Republic of Mauritius

D. The Republic of Mauritius and France

Q92 General Awareness

At the 15th South Asian Bodybuilding and Physique Sports Championships 2025 held in Bhutan, which Indian athlete won the gold medal in the Women's Model Physique up to 155 cm event?

A. Akanksha Chaudhary

B. Bhawna Tokekar

C. Yajik Hillang ✓

D. Anju Bobby George



Q93 General Awareness

At the 2025 Laureus World Sports Awards in Madrid, who won the **Laureus World Sportswoman of the Year in the football category**?

A. Aitana Bonmati



B. Shelly-Ann Fraser Pryce

C. Faith Kipyegon

D. Simone Biles

Q94 General Awareness

The Union Government launched a new climate resilience program in January 2025 to tackle extreme weather events. What is the name of this initiative?

A. Green India Mission

B. Mission Mausam



C. Climate Resilience Initiative

D. National Climate Adaptation Plan

Q95 General Awareness

The Immigration and Foreigners Act, 2025 introduces which major reform for foreign visitors?

A. Exemptions from exit checks

B. Automatic 10-year visas

C. Real-time monitoring and scrutiny



D. Waiver of travel documents for select nations

Q96 General Awareness

Which country won the FIH Hockey Pro League 2024-25 (Men) held at the iconic Kalinga Hockey Stadium in Bhubaneswar ?

A. Pakistan

B. Germany



C. India

D. Belgium

Q97 General Awareness

What was the main objective of the Tri Services Academia Technology Symposium (T-SATS) held in 2025?

A. Aligning academic R&D with future defence technology needs



B. Establishing a tri-service technology command

C. Strengthening academic interface with defence institutions

D. Expanding private sector leadership in defence innovation

Q98 General Awareness

In December 2025, which institution launched India's first incubator-linked deep technology venture capital fund named "Y-Point Venture Capital Fund"?

A. Indian Institute of Technology Kanpur

B. Indian Institute of Technology Bombay



C. Indian Institute of Technology Madras

D. Indian Institute of Technology Delhi

Q99 General Awareness

What was the purpose of the Banking Laws (Amendment) Act, 2025?

A. Limit and regulate foreign bank investments

B. Ensure enhanced protection for depositors and investors



C. Reduce and restructure banking operations

D. Undertake privatization and modernization of public sector banks

Q100 General Awareness

In March 2025, which national park became India's 58th tiger reserve?

A. Ratapani NP

B. Kanha NP

C. Satpura NP

D. Madhav NP

