

RRB Technician Grade III 2025

Technician Grade III · CEN 02/2025 · Question Paper Compilation

English

All 9 Shifts (Sets) · Official Answer Key

About this Compilation

This booklet compiles all **9 shift papers** of the **RRB Technician Grade III 2025** examination (CEN 02/2025) in **English**, with the correct option marked as per the official answer key.

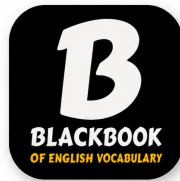
✓ Correct option (highlighted green)

How to use

- Use the **Index** page to jump directly to any set (clickable).
- Questions appear in shift order, numbered 1 onward within each set.
- Diagram and wide-table questions appear at full width at the end of their set.
- The correct answer is highlighted in green with a tick.

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General Science

40 Questions • Answer Key

Q1 General Science

What is the primary function of the cell wall in plant cells?

- A. Control cell division
- B. Control cellular respiration
- C. Provide rigidity and protection ✓
- D. Transport nutrients

Q2 General Science

Choose a term to pair the analogy.

Nucleus : Eukaryotic Cell :: Nucleoid : _____

- A. Prokaryotic Cell ✓
- B. Plant Cell
- C. Multicellular Organism
- D. Animal Cell

Q3 General Science

If a lens forms a real and inverted image, the height of the image h' is generally taken as _____.

- A. Positive, but less than the object height
- B. Negative, only if the object is virtual
- C. Negative, as it is below the axis ✓
- D. Positive, as it is above the axis

Q4 General Science

Which of the following factor helps in increasing crop yield?

- A. Using quality seeds, irrigation, fertilisers, crop protection ✓
- B. Ignoring crop protection
- C. Using only rainwater for irrigation
- D. Using poor seeds without irrigation

Q5 General Science

Which of the following correctly explains why toothpaste is basic in nature?

- A. To lower the pH of saliva and prevent cavities
- B. To react with water and release hydrogen ions
- C. To neutralise the acid formed in the mouth after eating food ✓
- D. To provide an acidic medium for enzyme action in saliva

Q6 General Science

The process wherein the body of the living organism splits into two exactly identical halves is termed as _____.

- A. budding
- B. binary fission ✓
- C. fragmentation
- D. multiple fission

Q7 General Science

What is the work done on an object if its displacement is zero, even when a force is applied?

- A. Zero ✓
- B. Negative
- C. Infinite
- D. Positive

Q8 General Science

If 9 g of water contains 1 g of hydrogen and 8 g of oxygen, then 36 g of water will contain:

- A. 3 g of hydrogen and 24 g of oxygen
- B. 3 g of hydrogen and 32 g of oxygen
- C. 4 g of hydrogen and 32 g of oxygen ✓
- D. 4 g of hydrogen and 24 g of oxygen

Q9 General Science

Dhratiman tries to extract magnesium from magnesium oxide using carbon. The attempt fails. What is the reason?

- A. Carbon reacts violently with oxygen.
- B. Magnesium forms a volatile compound with carbon.
- C. Carbon is less reactive than magnesium. ✓
- D. The reaction produces carbon monoxide only.



Q10 General Science

Which calculation correctly determines the formula unit mass of CaCl_2 ?

- A. Atomic mass of Ca $\times$ atomic mass of Cl = $40 \times 35.5 = 1420$ u
- B. Atomic mass of Ca + (2 $\times$ atomic mass of Cl) = $40 + 71 = 111$ u ✓
- C. Atomic mass of Ca + atomic mass of Cl = $40 + 35.5 = 75.5$ u
- D. Atomic mass of Ca + (atomic mass of Cl $\div$ 2) = $40 + 17.75 = 57.75$ u

Q11 General Science

Which of the following is an example of a double displacement reaction?

- A. $\text{H}_2 + \text{Cl}_2 \rightarrow 2\text{HCl}$
- B. $\text{AgNO}_3 + \text{NaCl} \rightarrow \text{AgCl} + \text{NaNO}_3$ ✓
- C. $2\text{Mg} + \text{O}_2 \rightarrow 2\text{MgO}$
- D. $\text{Na}_2\text{O} + \text{H}_2\text{O} \rightarrow 2\text{NaOH}$

Q12 General Science

When potassium reacts with water, we observe:

- A. No visible change
- B. Gentle bubbling and slow reaction
- C. Formation of a greenish compound
- D. Bright flame and rapid reaction ✓

Q13 General Science

When applying the equations of motion to an object moving under gravitational force and thrown vertically upwards, the acceleration (a) should be taken as _____.

- A. Positive, as it is in the direction of velocity.
- B. Positive, as gravity is constant.
- C. Negative, as it opposes the initial motion. ✓
- D. Independent of the direction of motion.

Q14 General Science

Why is biological magnification a health risk even with limited pesticide use?

- A. Non-biodegradable pesticides are immediately excreted and do not persist
- B. Pesticides affect only soil microorganisms, not higher organisms
- C. The toxicity of pesticides decreases as they move up the food chain
- D. Non-biodegradable pesticides accumulate at successive trophic levels ✓

Q15 General Science

Which of the following best describes the primary function of connective tissue?

- A. Conducting electrical impulses for rapid communication.
- B. Absorbing digested nutrients across epithelial surfaces.
- C. Producing force through contraction and relaxation.
- D. Supporting and providing structural framework to body parts. ✓

Q16 General Science

The resistivity of an alloy is generally higher than its constituent metals, and this property makes alloys suitable for _____.

- A. Heating elements (e.g., nichrome) ✓
- B. Connecting wires (e.g., copper transmission lines)
- C. Circuit fuses (e.g., lead/tin alloy)
- D. Filaments of electric bulbs (e.g., tungsten)

Q17 General Science

Which statement correctly describes the universal law of gravitation?

- A. The gravitational force increases as the distance between objects increases.
- B. The gravitational force increases with the product of the masses and decreases with the square of the distance between them. ✓
- C. The gravitational force depends only on the distance between the objects, not their masses.
- D. The gravitational force decreases when the masses of the objects increase.



Q18 General Science

Which of the following is a complex permanent tissue responsible for the transport of water in plants?

- A. Collenchyma
- B. Phloem
- C. Parenchyma
- D. Xylem

**Q19 General Science**

Which quantity decreases when a solid object is immersed in water?

- A. Buoyant force
- B. Apparent weight
- C. Density
- D. Mass

**Q20 General Science**

The urine formed in the kidneys passes through the _____ into the _____ where it is stored until excreted.

- A. urethra; ureters
- B. ureters; urinary bladder
- C. urinary bladder; urethra
- D. nephrons; urethra

**Q21 General Science**

If the force of gravitation between the Earth and the Moon is 'F' N, then how much will be the force between the Earth and the Moon if the distance between them is doubled? (Keep all the other parameters the same.)

- A. $F/2$
- B. $F/4$
- C. $4F$
- D. $2F$

**Q22 General Science**

Which type of epithelial tissue is primarily specialized for absorption in the human intestine?

- A. Stratified squamous epithelium
- B. Simple columnar epithelium
- C. Simple squamous epithelium
- D. Simple cuboidal epithelium

**Q23 General Science**

Which of the following is an example of a double displacement reaction?

- A. $\text{CaCO}_3 \rightarrow \text{CaO} + \text{CO}_2$
- B. $2\text{H}_2 + \text{O}_2 \rightarrow 2\text{H}_2\text{O}$
- C. $\text{Na}_2\text{SO}_4 + \text{BaCl}_2 \rightarrow \text{BaSO}_4 + 2\text{NaCl}$
- D. $\text{Fe} + \text{CuSO}_4 \rightarrow \text{FeSO}_4 + \text{Cu}$

**Q24 General Science**

Even though people eat different types of food, they may still absorb harmful chemical residues. This is because _____.

- A. Chemicals persist and accumulate via biomagnification
- B. Food grains absorb only useful chemicals from soil
- C. All plants produce natural pesticides
- D. Pesticides are completely destroyed during cooking

**Q25 General Science**

What will be the wavelength of a sound wave whose frequency is 220 Hz and speed is 440 m/s in a given medium?

- A. 440 m
- B. 220 m
- C. 2 m
- D. 0.5 m

**Q26 General Science**

What is the primary reason curved ceilings are used in concert halls?

- A. To decorate the hall
- B. To block noise
- C. To reflect sound evenly
- D. To absorb sound



Q27 General Science

Select the correct option regarding the given statements.

Statement 1: Suspensions scatter light.

Statement 2: When particles settle down, they no longer scatter light.

- A. Both statements are true, but Statement 2 does not explain Statement 1.** ✓
- B. Both statements are true, and Statement 2 explains Statement 1.
- C. Both statements are false.
- D. Statement 1 is true and Statement 2 is false.

Q28 General Science

Which of the following situations shows zero acceleration?

- A. A car moving with constant speed on a straight road** ✓
- B. A ball thrown upward
- C. A train speeding up
- D. An aeroplane taking off

Q29 General Science

For an object moving with uniform velocity, the height of its velocity-time graph remains constant with time. This results in a graph that is a _____.

- A. Straight line parallel to the x-axis** ✓
- B. Curve
- C. Vertical line
- D. Straight line passing through the origin

Q30 General Science

Which of the following statements about Thomson's model of an atom is/are correct?

Statement 1. An atom consists of a positively charged sphere with electrons embedded in it.

Statement 2. The mass of the atom is due to neutrons located in the nucleus.

Statement 3. The model is often compared to a watermelon with seeds representing electrons.

- A. Only 1, 2, and 3
- B. Only 1
- C. Only 2 and 3
- D. Only 1 and 3** ✓

Q31 General Science

If both solute and solvent masses are doubled, the concentration (mass %) of the solution will:

- A. Remain the same** ✓
- B. Increase by 25%
- C. Become half
- D. Double

Q32 General Science

Which of the following statement(s) is/are true regarding the magnetic field line pattern around a straight current carrying wire?

- (i) The magnetic field lines around a current carrying wire are in the form of concentric circles.
- (ii) The magnetic field lines around a current carrying wire intersect at various points.
- (iii) The magnetic field lines move farther apart as one moves away from the wire.

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

Q33 General Science

A clean strip of calcium metal is added to cold water and the reaction is observed. Compared to sodium and magnesium, which of the following statements correctly describes calcium's reactivity and the nature of products formed?

- A. Calcium reacts slowly with cold water, producing calcium oxide and oxygen gas.
- B. Calcium reacts explosively like sodium, forming calcium hydroxide and hydrogen gas.
- C. Calcium does not react with cold water but only with steam, forming calcium oxide and hydrogen gas.

- D. Calcium reacts less vigorously than sodium but more than magnesium, forming calcium hydroxide and hydrogen gas.** ✓

Q34 General Science

Which of the following correctly explains the adaptation of desert plants in photosynthesis?

- A. Oxygen is absorbed at night while carbon dioxide is released during the day.
- B. Photosynthesis is restricted to night-time only to minimise water loss.
- C. Carbon dioxide uptake occurs at night and carbohydrates are synthesized during the day.** ✓
- D. Light energy is captured at night and converted into starch for daytime use.



Q35 General Science

Read the following statements carefully and choose the correct option.

Statement 1: Members of a homologous series differ by a CH_2 – group.

Statement 2: Each successive member of a homologous series differs from the previous one by 12 u in molecular mass.

- ☒ A. Statement 1 is true but Statement 2 is false.
- ☐ B. Both statements are false.
- ☐ C. Both statements are true and Statement 2 is the correct explanation of Statement 1.
- ☐ D. Both statements are true but Statement 2 is not the correct explanation of Statement 1.

Q36 General Science

Which connective tissue forms the framework of the external ear, tip of the nose, and the ends of long bones?

- ☐ A. Bone
- ☐ B. Areolar tissue
- ☒ C. Cartilage
- ☐ D. Adipose tissue

Q40 General Science

What does the given circuit symbol represent?



- ☐ A. A battery
- ☐ B. A wire
- ☐ C. Switch in the closed position
- ☒ D. Variable resistance or rheostat

Q37 General Science

Plants get macro-nutrients mainly from the _____, and micro-nutrients in small quantities from the _____.

- ☐ A. sunlight ; minerals
- ☒ B. soil ; soil
- ☐ C. water ; sand
- ☐ D. air ; water

Q38 General Science

A convex mirror used as a rear-view mirror in a car has a radius of curvature of 4.00 m. A bus is located 6.00 m in front of the mirror. What will be the position and nature of the image formed?

- ☐ A. Image is formed at 1.2 m behind the mirror
- ☐ B. Image is formed at 3.0 m in front of the mirror
- ☐ C. The image is formed at 3.0 m behind the mirror
- ☒ D. Image is formed at 1.5 m behind the mirror

Q39 General Science

The symbol 'B' represents which element?

- ☐ A. Beryllium
- ☐ B. Barium
- ☐ C. Bromine
- ☒ D. Boron



Q41 Mathematics

If 15 workers can build a wall in 10 days, how many workers are needed to build it in 6 days?

- A. 20
- B. 26
- C. 22
- D. 25

**Q42 Mathematics**

Find the product of the common prime factors of the numbers 1950, 1560 and 2340.

- A. 360
- B. 480
- C. 390
- D. 520

**Q43 Mathematics**

The sum of the present ages of Sharad and Adarsh is 36 years. After 2 years from now, Sharad's age will be three times that of Adarsh. Sharad's present age (in years) is:

- A. 28
- B. 24
- C. 37
- D. 26

**Q44 Mathematics**

A can finish a work in 5 days and B can do the same work in 50 days. B worked alone for 10 days and left the job. In how many days can A alone finish the remaining work?

- A. 4.5
- B. 3
- C. 4
- D. 3.5

**Q45 Mathematics**

The value of a machine is first depreciated by 20%. It is then appreciated by 25% and finally depreciated by 10%. Find the overall percentage change in its value.

- A. 5% decrease
- B. 12% decrease
- C. 8% decrease
- D. 10% decrease

**Q46 Mathematics**

For a given data, the mean is 48.5 and the median is 44. The mode of the data is:

- A. 25
- B. 42
- C. 35
- D. 32

**Q47 Mathematics**

If the lateral surface area of a cylinder is 140.1 cm^2 and its height is 3 cm, then find its volume. (Use $\pi = 3.14$ and round off to two decimal places.)

- A. 559.99 cm^3
- B. 570.58 cm^3
- C. 520.91 cm^3
- D. 562.32 cm^3

**Q48 Mathematics**

Two trains of lengths 120 m and 180 m are running in opposite directions at speeds of 60 km/h and 75 km/h, respectively. In how many seconds will they completely cross each other?

- A. 9 seconds
- B. 8 seconds
- C. 10 seconds
- D. 11 seconds

**Q49 Mathematics**

During a sale 50% of the goods are sold at 40% profit, 40% of the remaining goods are sold at 13% profit and the still remaining goods are sold at a loss of 32%. If there is an overall profit of $x\%$, then what is the value of x ?

- A. 13
- B. 14
- C. 13.5
- D. 12.5



Q50 Mathematics

A shopkeeper lists the price of a fan at 36% above its cost price and offers a 25% discount on its list price. If he earns a profit of ₹179, then what is the list price (in ₹) of the fan?

A. 12,213

B. 12,166

C. 12,172



D. 12,247

Q51 Mathematics

The average of three numbers is 20. If the two numbers are 11 and 22, respectively, then the third number is:

A. 26

B. 28

C. 27



D. 29

Q52 Mathematics

If a sum of ₹8000 becomes thrice of itself after 8 years on compound interest, then how much will it become after 24 years?

A. ₹253000

B. ₹236000

C. ₹216000



D. ₹206000

Q53 Mathematics

The length of one of the two parallel sides of a trapezium is 8 cm, while the length of the other side of this pair of parallel sides is equal to the distance between this pair of parallel sides. If the area of the trapezium is 120 cm^2 , then what is the distance (in cm) between the said pair of parallel sides?

A. 20

B. 12



C. 15

D. 10

Q58 Mathematics

A person borrows ₹10,000 for 3 years at 5% per annum simple interest. He immediately lends it to another person at $8\frac{1}{4}\%$ per annum simple interest for 3 years. What is his gain (in ₹) in the transaction per year?

A. 400

B. 325



C. 375

D. 450

Q54 Mathematics

If the surface area of a sphere is 314 cm^2 , find its radius. (Take $\pi = 3.14$)

A. 50 cm

B. 0.5 cm

C. 5 cm



D. 0.05 cm

Q55 Mathematics

When one-third of a number is increased by 87, the result is 107. Find the sum of the digits of the original number.

A. 8

B. 3

C. 6



D. 5

Q56 Mathematics

A, B, C, and D can do a piece of work in 12, 15, 20, and 30 days, respectively. All start together, but D leaves after 2 days, C leaves 3 days before the completion, and B leaves 2 days before the completion. Determine the total time required to complete the work.

A. 8 days 6 hours

B. 5 days 10 hours

C. 6 days 2 hours



D. 5 days 20 hours

Q57 Mathematics

A classroom has 46 boys and 36 girls. If the number of girls is increased successively by 25% followed by another 20%, by how many will the number of girls exceed the number of boys?

A. 12

B. 8



C. 6

D. 10



Q59 Mathematics

The value of $4 + \tan^2\theta + \cot^2\theta - \sec^2\theta \operatorname{cosec}^2\theta$ is:

- A. 4
- B. 0
- C. -2
- D. 2

**Q60** Mathematics

If a number is added to each of the numbers 16, 20 and 30, then the resulting numbers are in the continued proportion. Find the mean proportional between the largest and smallest of the resulting numbers.

- A. $\frac{26}{9}$
- B. $\frac{50}{9}$
- C. $\frac{20}{3}$
- D. $\frac{40}{3}$

**Q61** Mathematics

Simplify:

$$8 \times 8 + 6 \times 6 + [6 \times \{4 \div 2 \times (3 \text{ of } 2)\} - \{36 \div (6 \times 3) + (8 \times 3)\}] \div 2$$

- A. 123
- B. 93
- C. 153
- D. 73

**Q62** Mathematics

Simplify $(5z-12y)^2 + (12z+5y)^2 - 144z^2$.

- A. $24z^2 + 171y^2$
- B. $31z^2 + 161y^2$
- C. $32z^2 + 170y^2$
- D. $25z^2 + 169y^2$

**Q63** Mathematics

Find the value of $36 - [10 - 3 \{14 \div 2 - (10 \div 2 \times 3 - 4 + 7)\}]$.

- A. 7
- B. -5
- C. 5
- D. -7



Q64 Mathematics

If x is the third proportional to 2 and y, and y is the third proportional to x and 18, then what is the value of y?

A. $5\sqrt[3]{3}$

B. $3\sqrt[3]{3}$

C. $6\sqrt[3]{3}$



D. $4\sqrt[3]{3}$

Q65 Mathematics

What is the decimal form of $\frac{7}{2} + 32.5 + 1.245 + \frac{3}{4}$?

A. 32.125

B. 35.005

C. 39.778

D. 37.995

**General Intelligence & Reasoning**

25 Questions • Answer Key

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'.
Based on the above, how is Z related to H if 'Z+U-NxC÷H'?

A. Brother's Son

B. Mother's brother

C. Mother's brother's Son



D. Father

Q68 General Intelligence & Reasoning

A, B, C, P, S, T and U are sitting in a straight line facing the north. Only two people are seated between T and U. Only C is seated to the right of S. Only one person is seated between U and S. A is seated at some place to the right of P, but at some place to the left of B. How many people are seated between B and P?

A. Three

B. Four

C. One

D. Two

**Q67 General Intelligence & Reasoning**

In a row of 29 people facing north, Karan is 9th from the right end. If Ramesh sits fifth to the left of Karan, what is Ramesh's position from the left end of the line?

A. 15th

B. 16th



C. 17th

D. 14th

Q69 General Intelligence & Reasoning

What should come in place of '?' in the given series?

31 44 52 65 73 ?

A. 82

B. 84

C. 80

D. 86



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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/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, 3, 7)
(9, 4, 9)

- A. (13, 8, 15)
- B. (11, 5, 13)
- C. (12, 17, 35)
- D. (7, 2, 5) ✓

Q71 General Intelligence & Reasoning

Piyush is the brother of Vidhi. Vidhi is the sister of Kunti. Kunti is the wife of Arjun. Arjun is the father of Abhimanyu. How is Piyush related to Abhimanyu?

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

Q72 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?

$$2 B 1 D 14 A 2 C 7 = ?$$

- A. 3
- B. 1
- C. 4
- D. 2 ✓

Q73 General Intelligence & Reasoning

In a certain code language, 'MIND' is coded as '7542' and 'DOPE' is coded as '1436'. What is the code for 'D' in that language?

- A. 2
- B. 1
- C. 3
- 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. HK – DP ✓
- B. KM – HR
- C. QC – NH
- D. EW – BB

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 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. CK – IQ
- B. GO – MU
- C. HP – NV
- D. FN – KS ✓

Q76 General Intelligence & Reasoning

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

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

How many such 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. Two
- B. One
- C. Three
- D. Four ✓

Q77 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. YTW ✓
- B. JMK
- C. ILJ
- D. EHF



Q78 General Intelligence & Reasoning

The position(s) of how many letters will remain unchanged if each letter in the word "FOXHUNTERS" is arranged in alphabetical order?

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

**Q79 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.

IRQ : KPP
MEU : OCT

- A. FJM : HGL
- B. GRP : IPN
- C. CMR : EKP
- D. RQN : TOM

**Q80 General Intelligence & Reasoning**

Each letter in the word EDITORIAL is arranged in alphabetical order. How many letters are there in the English alphabetical order between the letter which is fourth from the left and the one which is second from the right in the new letter cluster thus formed?

- A. 6
- B. 5
- C. 8
- D. 7

**Q81 General Intelligence & Reasoning**

In a row of 45 people facing north, Pari is 14th from the right end. If Bittu sits 20th to the left of Pari, what is Bittu's position from the left end of the line?

- A. 10th
- B. 12th
- C. 11th
- D. 13th

**Q82 General Intelligence & Reasoning**

Raju starts from Point A and drives 9 km towards north. He then takes a left turn, drives 8 km, turns left and drives 13 km. He then takes a left turn and drives 11 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° turns only unless specified.)

- A. 2 km to the east
- B. 3 km to the west
- C. 3 km to the east
- D. 4 km to the east

**Q83 General Intelligence & Reasoning**

WAVE is related to XBXG in a certain way based on the English alphabetical order. In the same way, KING is related to LJPI. To which of the given options is SONG related, following the same logic?

- A. RPOI
- B. RRPK
- C. TPPI
- D. TRPK

**Q84 General Intelligence & Reasoning**

A, E, I, O, F, G and H are sitting around a circular table facing the centre of the table.

Only two people sit between E and O when counted from the right of E. Only two people sit between O and I. Only three people sit between E and H. A sits to the immediate left of G.

Who sits third to the left of F?

- A. I
- B. E
- C. G
- D. A

**Q85 General Intelligence & Reasoning**

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

(Left) F Z I U K J Q D H M C X O E N L P G B E A (Right)

How many such vowels are there, each of which is immediately preceded by a consonant and also immediately followed by a vowel?

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



Q86 General Intelligence & Reasoning

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

$$5 \div 2 + 16 \times 4 - 4 = ?$$

- A. 14
- B. 12
- C. 10
- D. 8

**Q87 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 sister of B'
A ÷ B means 'A is the daughter of B'

Based on the above, how is G related to K if 'G + H ÷ I - J x K'?

- A. Brother's daughter
- B. Brother's wife
- C. Sister
- D. Daughter

**Q88 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.

NEX : RIB
VBS : ZFW

- A. YSD : CUF
- B. GWR : IZU
- C. QKE : TNH
- D. TAJ : XEN

**Q89 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 man out is not based on the number of consonants/vowels or their position in the letter cluster.)

- A. FGO
- B. PQV
- C. IJO
- D. BCH

**Q90 General Intelligence & Reasoning**

In a certain code language, 'CRAB' is coded as '8642' and 'BENT' is coded as '1358'. What is the code for 'B' in that language?

- A. 2
- B. 1
- C. 3
- D. 8

**General Awareness**

10 Questions • Answer Key

Q91 General Awareness

Which of the following bodies approved the appointment of S Krishnan as Chairman of J&K Bank?

- A. NITI Aayog
- B. Ministry of Finance
- C. Insurance Regulatory and Development Authority of India(IRDAI)
- D. Reserve Bank of India

**Q92 General Awareness**

Who was chosen as the first president of the Indian National Congress (INC) during its first session?

- A. Womesh Chandra Bonnerjee
- B. Bipin Chandra Pal
- C. Surendranath Banerjee
- D. Pherozeshah Mehta



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Q93 General Awareness

In June 2025, Indian author Banu Mushtaq, in her acclaimed book Heart Lamp, explores which central theme through her vivid portrayal of everyday characters?

- A. Economic reforms
- B. Caste and religious oppression ✓
- C. Political leadership
- D. Environmental activism

Q94 General Awareness

Which distinctive drainage characteristic best describes the river Luni of north-western India?

- A. It terminates in an inland salt marsh in the Rann region without reaching the sea. ✓
- B. It is the only glacier-fed perennial Himalayan river.
- C. It flows directly into the Arabian Sea.
- D. It forms a large, well-developed delta at its mouth.

Q95 General Awareness

Which of the following initiatives was introduced in India during Union budget 2020-21 to support farmers by enabling efficient air transportation of agricultural produce across domestic and international routes?

- A. Krishi Air Connect Programme
- B. Krishi Udan Scheme ✓
- C. National Farm Logistics Mission
- D. Rural Export Enhancement Initiative

Q96 General Awareness

Which of the following dancers is acclaimed for their mastery and teaching of Odissi?

- A. Sitara Devi
- B. Vempati Chinna Satyam
- C. Kalamandalam Leelamma
- D. Kelucharan Mohapatra ✓

Q97 General Awareness

The Government has proposed to include which Union Territory under the ambit of Article 240 of the Constitution?

- A. Lakshadweep
- B. Chandigarh ✓
- C. New Delhi
- D. Puduchery

Q98 General Awareness

Which Article of the Constitution of India provides for the establishment of the National Commission for Scheduled Castes (NCSC) to safeguard the rights of the Scheduled Castes?

- A. Article 350
- B. Article 338 ✓
- C. Article 330
- D. Article 340

Q99 General Awareness

The recent \$131 million deal for cutting-edge surveillance technology from HawkEye 360 involves which two countries ?

- A. India and Japan
- B. India and Ukraine
- C. India and Russia
- D. India and United States ✓

Q100 General Awareness

Which of the following British Indian government legislations provided for the establishment of a Supreme Court at Calcutta, comprising one chief justice and three other judges?

- A. Amending Act of 1781
- B. Charter Act of 1793
- C. Regulating Act of 1773 ✓
- D. Pitt's India Act of 1784



General Science

40 Questions • Answer Key

Q1 General Science

Which of the following is NOT known to reproduce through fission?

- A. Amoeba
- B. Paramecium
- C. Leishmania
- D. Hydra



Q2 General Science

Which description correctly characterises parenchyma cells in the pith of a mature stem?

- A. Sclerenchyma fibers forming a protective cylinder.
- B. Tightly packed dead cells that aid in support and conduction.
- C. Large, loosely arranged living cells for storage.
- D. Thick-walled lignified cells for mechanical strength.



Q3 General Science

What distinguishes broilers from layers in poultry farming?

- A. Both are raised equally for meat and eggs
- B. Only broilers lay eggs
- C. Broilers are raised for meat; layers for eggs
- D. Layers are raised for meat; broilers for eggs



Q4 General Science

When chemicals such as pesticides enter food chains and get more concentrated at higher levels, the process is known as ____.

- A. Eutrophication
- B. Biological magnification
- C. Biodegradation
- D. Photosynthesis



Q5 General Science

If mass is doubled and g remains constant, weight becomes ____.

- A. Half
- B. Same
- C. Four times
- D. Double



Q6 General Science

Which of the following salts, when dissolved in water, will produce a neutral solution?

- A. Sodium chloride (NaCl)
- B. Ammonium chloride (NH₄Cl)
- C. Sodium acetate (CH₃COONa)
- D. Potassium hydroxide (KOH)



Q7 General Science

Which of the following is/are NOT true about the distance-time graph for a body moving in uniform motion?

- (i) The slope of the distance-time graph gives the acceleration of the body.
- (ii) The lesser the slope of the graph the slower the body is moving.
- (iii) The area under this graph gives the speed of the body.

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



Q8 General Science

What unique feature allows mitochondria to produce some of their own proteins?

- A. They produce ATP.
- B. They have two membranes.
- C. They contain their own DNA and ribosomes.
- D. Their outer membrane is porous.



Q9 General Science

Consider the following statements regarding the size of an atom.

Statement 1: The size of an atom is approximately in the range of 0.1 nm to 0.5 nm.

Statement 2: Atomic size increases as we move from left to right in a period of the periodic table.

Statement 3: The radius of a hydrogen atom is about 10^{-10} meters.

Which of the above statements is/are correct?

- A. Only 1, 2 and 3
- B. Only 1 and 2
- C. Only 1 and 3
- D. Only 2 and 3

Q10 General Science

A cyclist riding at constant speed on a circular track is an example of which type of motion?

- A. Linear motion
- B. Non-uniform motion
- C. Oscillatory motion
- D. Uniform circular motion

Q11 General Science

A sound source has a frequency of 50 Hz. How many vibrations does it complete in one minute?

- A. 5000
- B. 600
- C. 50
- D. 3000

Q12 General Science

A block of mass 20 kg is dropped from the top of a building of height 200 m. What will be the velocity with which the block will hit the ground? (Take the value of $g = 10 \text{ m/s}^2$)

- A. $20\sqrt{10} \text{ m/s}$
- B. $20\sqrt{5} \text{ m/s}$
- C. 20 m/s
- D. 40 m/s

Q13 General Science

Which statement best describes the arrangement of electrons in Thomson's atomic model?

- A. Electrons are embedded in a positively charged sphere
- B. Electrons are located at the center of the atom
- C. Electrons revolve around the nucleus
- D. Electrons are found only on the surface of the atom

Q14 General Science

A gardener buried five different substances in a garden: banana peels, newspaper, cotton cloth, plastic bottle and metal spoon. How many of the substances he buried were biodegradable?

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

Q15 General Science

If the molecular mass of an alkane is 44, then its molecular formula is:

- A. C_2H_6
- B. C_3H_8
- C. C_4H_{10}
- D. CH_4

Q16 General Science

In a homogeneous mixture, the size of particles of solute is typically:

- A. Larger than $1 \mu\text{m}$
- B. Between 1 nm and 1000 nm
- C. Visible to the naked eye
- D. Less than 1 nm



Q17 General Science

Which of the following is true about Fleming's left-hand rule?

- A. If the thumb points in the direction of force and the forefinger in the direction of current, the middle finger shows the direction of magnetic field.
- B. If the thumb points in the direction of current and the middle finger in the direction of magnetic field, the forefinger shows the direction of force.
- C. If the forefinger points in the direction of magnetic field and the middle finger in the direction of current, the thumb shows the direction of motion or force on the conductor. ✓
- D. It is used only in electric circuits and not in devices like motors or loudspeakers.

Q18 General Science

A car of mass 1000 kg moving with a velocity of 20 m/s comes to rest in 10 s after applying the brakes. What is the value of the force applied by the brakes?

- A. - 200 N
- B. - 5000 N
- C. - 500 N
- D. - 2000 N ✓

Q19 General Science

Which of the following statements correctly explains the working principle of dialysis in an artificial kidney?

- A. Dialysis uses high pressure to force wastes out of the blood into the dialysing fluid.
- B. Dialysis removes wastes from blood by diffusion across a semi-permeable membrane. ✓
- C. Dialysis removes nitrogenous wastes from blood through active transport.
- D. Dialysis reabsorbs essential nutrients and salts like a normal kidney.

Q20 General Science

In the substitution reaction of methane (CH_4) with chlorine (Cl_2) under UV light, what is the first product formed?

- A. Carbon tetrachloride (CCl_4)
- B. Dichloromethane (CH_2Cl_2)
- C. Methyl chloride (CH_3Cl) ✓
- D. Chloromethane (CH_3Cl)

Q21 General Science

All of the following functions are performed by different components of a Xylem tissue, EXCEPT:

- A. Transporting food from leaves ✓
- B. Providing mechanical support
- C. Storing food
- D. Transporting water and minerals vertically

Q22 General Science

Select a term to complete the given analogy.

Binary Fission : Bacteria :: Fragmentation : _____

- A. Birds
- B. Insects
- C. Algae ✓
- D. Mammals

Q23 General Science

Where in the body would you expect to find a single layer of extremely thin, flat epithelial cells designed for the transport of substances (gases) across a delicate lining?

- A. Lining of kidney tubules, for mechanical support
- B. Inner lining of the intestine, for absorption
- C. Lining of lung alveoli, for gas exchange ✓
- D. Skin, to prevent wear and tear

Q24 General Science

Which of the following is NOT a reason for carbon's versatility?

- A. Ability to form single, double and triple bonds
- B. Tetravalency
- C. Catenation
- D. Formation of ionic bonds ✓

Q25 General Science

The extent of bending of light rays achieved by a lens is expressed in terms of its _____.

- A. Image Distance
- B. Aperture
- C. Magnification
- D. Power ✓



Q26 General Science

Which of the following non-metals is a good conductor of electricity in the solid state due to the presence of delocalized electrons within its crystal lattice?

- A. Phosphorus
- B. Graphite
- C. Sulphur
- D. Iodine

**Q27 General Science**

The primary purpose of check-dams in irrigation is to _____.

- A. To channel river water for factory operations
- B. To lower the quality of the soil
- C. To worsen erosion of top soil
- D. To increase groundwater by storing rainwater

**Q28 General Science**

Four test tubes contain solutions of CuSO_4 , MgSO_4 , ZnSO_4 , and AgNO_3 . A student adds zinc metal to each test tube. In which test tube(s) will a reaction occur?

- A. ZnSO_4 only
- B. CuSO_4 only
- C. CuSO_4 and AgNO_3 only
- D. With all solutions

**Q29 General Science**

An electric oven has a power of 1200 W when it is operated at 100 V. How much will be the current flowing through the oven?

- A. 12 A
- B. 1.2 A
- C. 8 A
- D. 0.08 A

**Q30 General Science**

When white light is incident obliquely on a glass prism, which of the following statement(s) is/are NOT true?

- (i) Red colour undergoes minimum deviation.
- (ii) The speed of violet colour is the least while travelling through the prism.
- (iii) Refractive index of green colour is more than the violet colour.
- (iv) Refractive index of red colour is more than blue colour.

- A. Both (iii) and (iv)



- B. Both (i) and (ii)

- C. Both (i) and (iv)

- D. Both (ii) and (iii)

Q31 General Science

Newton's first law of motion explains the concept of _____.

- A. Net force being non-zero
- B. Change in momentum
- C. Continuous acceleration
- D. Balanced forces

**Q32 General Science**

SONAR technology uses ultrasound to _____.

- A. Measure electric current
- B. Produce high temperatures
- C. Measure atmospheric pressure
- D. Locate underwater objects

**Q33 General Science**

Which statement is true about mass number?

- A. It is equal to the number of electrons in an atom
- B. It is the total number of protons and electrons in an atom
- C. It is always twice the atomic number
- D. It is the sum of protons and neutrons in an atom

**Q34 General Science**

The principal function of the plasma membrane is to:

- A. Store the cell's genetic material.
- B. Regulate movement of substances across the cell.
- C. Serve as the site of ATP synthesis.
- D. Provide rigid support and prevent cell swelling.



Q35 General Science

Which of the following is NOT an application of the Archimede's Principle?

- A. Designing of submarines
- B. Lactometers
- C. Speedometers
- D. Hydrometers

Q36 General Science

Which of the following is represented by a circle with the letter 'V' in a circuit diagram?

- A. Vacuum diode
- B. Voltage regulator
- C. Variable resistance
- D. Voltmeter

Q37 General Science

In chemical industries, bleaching powder acts mainly as:

- A. A reducing agent
- B. An oxidising agent
- C. A catalyst
- D. A neutralising agent

Q38 General Science

Choose a term to complete analogy.

Axon : Single long process :: Dendrite : _____

- A. Many short, branched parts
- B. Rapid stimulus transmission
- C. Protective connective tissue
- D. Cell body with nucleus

Q39 General Science

1. A precipitation reaction occurs when two aqueous solutions react to form an insoluble solid.
2. The solid formed is called a precipitate.
3. All precipitation reactions involve acids and bases only.

Which of the above statements are correct?

- A. 1, 2, and 3
- B. 1 and 3 only
- C. 1 and 2 only
- D. 2 and 3 only

Q40 General Science

A student mixes sand, salt and water in a beaker and stirs well. After some time, what will be observed?

- A. Sand settles at the bottom, while salt dissolves in water.
- B. Sand and salt both remain undissolved, forming two distinct layers.
- C. Sand remains permanently suspended in water, making the mixture cloudy.
- D. All components dissolve completely, forming a clear solution.

Mathematics

25 Questions • Answer Key

Q41 Mathematics

Two numbers are in the ratio of 4 : 5, and their HCF is 16. Find the LCM of the two numbers.

- A. 340
- B. 360
- C. 380
- D. 320

Q42 Mathematics

Fourteen years from now, the sum of A's and B's ages will be twice the sum of their current ages. If A is currently 8 years older than B, what is A's present age?

- A. 16
- B. 12
- C. 18
- D. 10



Q43 Mathematics

Three workers A, B, C can finish a job in 10, 15, and 20 hours respectively. A and B start; after 2 hours, C joins and they finish the remaining work in t more hours. What is the value of t ? (Rounded off to the nearest integer.)

A. 3



B. 6

C. 4

D. 5

Q44 Mathematics

Anisha borrowed ₹28,260 from her friend at 9% per annum, simple interest. She returned the amount after 9 months. How much interest did she pay?

A. ₹ 1948.20

B. ₹ 1907.55



C. ₹ 1970.75

D. ₹ 1933.25

Q45 Mathematics

A cylindrical printing drum of length 2.1 m makes 350 complete revolutions and prints 4158 m² of fabric. What is the radius of the drum? (Take $\pi = 22/7$)

A. 70 cm

B. 90 cm



C. 60 cm

D. 80 cm

Q46 Mathematics

One pipe can fill the tank in 20 min, while another pipe can empty the completely filled tank in 45 min. If both the pipes are operated together on empty tank, how long (in min) will it take to fill one-fourth of the tank?

A. 9



B. 36

C. 27

D. 18

Q47 Mathematics

If a book costs ₹300 and its price is increased by 5%, by how much the new price of the book after the increase is more than the original price?

A. ₹15



B. ₹10

C. ₹20

D. ₹25

Q48 Mathematics

The lengths of two trains starting from stations P and Q are in the ratio 3 : 2. When they run in opposite directions at speeds of 54 km/h and 72 km/h, respectively, they cross each other in 30 seconds. The train starting from P crosses a bridge in 90 seconds. Find the length of the bridge.

A. 720 meters



B. 620 meters

C. 780 meters

D. 740 meters

Q49 Mathematics

Anusha starts a business with ₹55,000 and after 7 months, Minal joins Anusha as her partner. After a year, the profit is divided in the ratio 8 : 3. What is Minal's contribution in the capital?

A. ₹48,745

B. ₹50,755

C. ₹49,500



D. ₹49,410

Q50 Mathematics

The average age of a husband and wife at the time of their marriage was 28 years. Their daughter was born two years after their marriage. If the present average age of all three family members is 24 years, how many years ago from now, did the couple get married?

A. 4

B. 6



C. 7

D. 8

Q51 Mathematics

A person X invests ₹12,000 for 12 months and person Y invests ₹18,000 but withdraws his investment after 6 months. If the total profit earned on their investment is ₹25,200, what is X's share in the profit?

A. ₹16,800

B. ₹15,700

C. ₹14,400



D. ₹13,900



Q52 Mathematics

A dealer buys two articles X and Y for ₹1,300 each. He marks each of them at the same price. He sells X by giving two successive discounts of 84% and 25% and still earns ₹734 as profit. If he sells Y at a single discount of 87%, then what is the profit percentage on Y?

- A. 68%
- B. 69%
- C. 68.5%
- D. 69.5%

**Q53 Mathematics**

What sum of money (in ₹) will yield ₹720 as simple interest in 2 years at 5% per annum?

- A. 6700
- B. 7200
- C. 7600
- D. 7400

**Q54 Mathematics**

What is the mode of the following data?
51, 48, 50, 55, 44, 52, 45, 52, 44, 49, 55, 54, 44, 54, 43, 45, 55, 47

- A. 45
- B. 55
- C. 44
- D. 54

**Q58 Mathematics**

The area of a square is 9 cm^2 . Its perimeter is equal to the perimeter of a regular hexagon. What is the area (in cm^2) of the hexagon?

- A. $6\sqrt{3}$
- B. 32
- C. 40
- D. $42\sqrt{3}$

**Q59 Mathematics**

If $10\cos^2\theta + 7\sin^2\theta = 7$, where $0^\circ \leq \theta \leq 90^\circ$, then the value of $(\sin\theta + \cos\theta)$ is:

- A. -1
- B. 1
- C. 0
- D. 2

**Q55 Mathematics**

A student scored 84% of the maximum marks in an exam and passed by 62 marks. But when he scored 45% of the marks in the same exam, he failed by 35.5 marks. Find the maximum marks of the exam.

- A. 265
- B. 250
- C. 225
- D. 240

**Q56 Mathematics**

When one-third of a number is increased by 37, the result is 51. Find the sum of the digits of the original number.

- A. 6
- B. 8
- C. 3
- D. 9

**Q57 Mathematics**

A shopkeeper sold a book at a loss of 6%. If the selling price had been increased by ₹960, there would have been a gain of 19%. What was the cost price (in ₹) of the book?

- A. 3845
- B. 3835
- C. 3850
- D. 3840



Q60 Mathematics

Which of the following numbers DOES NOT have exactly four distinct positive divisors?

- A. $p \cdot q$ for distinct primes p and q
- B. p^2 for prime p
- C. p^3 for prime p
- D. q^3 for prime q

**Q61** Mathematics

If $x = \frac{\sqrt{5} + 2}{\sqrt{5} - 2}$ and $y = \frac{\sqrt{5} - 2}{\sqrt{5} + 2}$, then find the value of $x^2 + y^2$.

- A. 312
- B. 311
- C. 302
- D. 322

**Q62** Mathematics

If $x^2 + \frac{1}{x^2} = 16$ and $x \neq 0$, then what is the value of $x^4 + \frac{1}{x^4}$?

- A. 260
- B. 252
- C. 258
- D. 254

**Q63** Mathematics

Which of the following is not a property of triangles?

- (i) The sum of three angles of a triangle is always 180° .
- (ii) Area of a triangle is defined as $\frac{1}{3} \times \text{base} \times \text{length of altitude}$.
- (iii) The perimeter of a triangle is the sum of lengths of all three sides.
- (iv) The exterior angle of a triangle is equal to the sum of its interior opposite angles.

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



Q64 Mathematics

Simplify: $[(36 + 4 \times (3 + 2 \times (5 - 2))) \div (6 + 3)] + [(40 - (6 + 3 \times 2)) + (8 \times 2 - 6)]$

A. 42

B. 52

C. 46 

D. 38

Q65 Mathematics

Simplify: $\left(\frac{5}{6} + \frac{1}{3}\right) \div \left(\frac{2}{5} + 0.3\right) \times 0.5 + \frac{5}{6}$

A. $\frac{1}{6}$ B. $\frac{5}{3}$ C. $\frac{1}{3}$ D. $\frac{5}{6}$ **General Intelligence & Reasoning**

25 Questions • Answer Key

Q66 General Intelligence & Reasoning

In a row of 50 people facing north, Cara is 19th from the right end. If Gita sits 19th to the left of Cara, what is Gita's position from the left end of the line?

A. 14th

B. 13th 

C. 15th

D. 16th

Q68 General Intelligence & Reasoning

Mr. Kell ranked 84th from the top and 123rd from the bottom in his class. How many students are there in his class?

A. 432

B. 453

C. 206 

D. 244

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. MRX

B. GKP 

C. PUA

D. TYE

Q69 General Intelligence & Reasoning

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

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

B. Three

C. Two

D. More than three 

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Q70 General Intelligence & Reasoning

KL 36 is related to MN 41 in a certain way. In the same way, QR 91 is related to ST 96. To which of the following is EF 64 related, following the same logic?

A. HI 68

B. GH 69



C. IJ 79

D. GI 69

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. QK - VH

B. AE - FB

C. WH - BD



D. GQ - LN

Q72 General Intelligence & Reasoning

In a certain code language, 'conflict of interest' is coded as 'gu ky bz' and 'end this conflict' is coded as 'ky tg cn'. How is 'conflict' coded in the given language? (All the codes are two-letter codes only.)

A. bz

B. tg

C. ky



D. cn

Q73 General Intelligence & Reasoning

WIND is related to VHOE in a certain way based on the English alphabetical order. In the same way, FIRE is related to EHSF. To which of the given options is GOLD related, following the same logic?

A. FNME



B. EMNF

C. FMNF

D. FLNE

Q74 General Intelligence & Reasoning

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

(Left) D U A L J X E I H R S B W P K T C V M F Y (Right)

How many such vowels are there, each of which is immediately preceded by a consonant and also immediately followed by a vowel?

A. One

B. Two



C. Three

D. None

Q75 General Intelligence & Reasoning

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

$$6 \div 2 + 24 \times 6 - 4 = ?$$

A. 12



B. 14

C. 10

D. 16

Q76 General Intelligence & Reasoning

Ritik is the brother of Kajal. Kajal is the wife of Abhishek. Abhishek is the father of Megha. Megha is the sister of Priti. How is Ritik related to Priti?

A. Father's brother

B. Mother's father

C. Mother's brother



D. Father's father

Q77 General Intelligence & Reasoning

What should come in place of ? in the given series based on the English alphabetical order?

LPF KOE JND IMC ?

A. HLB



B. HKB

C. HLA

D. HKA



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'
 $A @ B$ means 'A is the daughter of B'
 $A \# B$ means 'A is the father of B'
 Based on the above, how is F related to O if ' $F \# L - R @ O$ '?

- A. Brother
- B. Father
- C. Husband**
- D. Son

Q79 General Intelligence & Reasoning

Six friends B, C, L, M, N and O are sitting around a circular table facing the center of the table. L sits fourth to the right of O. Only one person sits between M and N when counted from the left of M. L sits third to the left of C. B is an immediate neighbor of C and N. How many people sit between L and B when counted from the left of B?

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

Q80 General Intelligence & Reasoning

In a certain code language,
 $A @ B$ means 'A is the brother of B',
 $A \times B$ means 'A is the daughter of B',
 $A \circ B$ means 'A is the father of B', and
 $A \geq B$ means 'A is the wife of B'.
 Based on the above, how is Z related to N if ' $Z \times C \geq L \circ M @ N$ '?

- A. Sister
- B. Daughter
- C. Wife
- D. Mother**

Q81 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)
 (4, 11, 26)

- A. (6, 13, 30)**
- B. (8, 19, 42)
- C. (3, 10, 16)
- D. (7, 16, 36)

Q82 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?

$1 B 3 D 10 A 5 C 2 = ?$

- A. 4
- B. 1
- C. 2
- D. 3**

Q83 General Intelligence & Reasoning

Ankur starts from Point A and drives 11 km towards east. He then takes a right turn, drives 7 km, turns right and drives 14 km. He then takes a right turn and drives 12 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° turns only unless specified.)

- A. 5 km to the south**
- B. 5 km to the north
- C. 4 km to the north
- D. 4 km to the south



Q84 General Intelligence & Reasoning

A, B, C, P, S, T and U are sitting in a straight line facing the north. Only three people are seated to the left of S. Only A is seated to the right of B. Only three people are seated between B and C. P is seated at some place to the left of T, but at some place to the right of U. How many people are seated between U and T?

A. Two

B. One

C. Three

D. Four

Q85 General Intelligence & Reasoning

What should come in place of '?' in the given series?

44 52 61 71 82 ?

A. 98

B. 96

C. 92

D. 94

Q86 General Intelligence & Reasoning

Each letter in the word DANGEROUS is arranged in alphabetical order. How many letters are there in the English alphabetical order between the letter which is fourth from the left and the one which is fourth from the right in the new letter cluster thus formed?

A. 9

B. 7

C. 6

D. 8

Q87 General Intelligence & Reasoning

What should come in place of ? in the given series based on the English alphabetical order?

NPM LQJ JRG HSD ?

A. FTA

B. NHY

C. HGT

D. MNJ

Q88 General Intelligence & Reasoning

In a certain code language, 'door closed now' is coded as 'vt xg uk' and 'school is closed' is coded as 'cw uk ne'. How is 'closed' coded in the given language? (All the codes are two letter codes only.)

A. vt

B. uk

C. xg

D. ne

Q89 General Intelligence & Reasoning

The position(s) of how many letters will remain unchanged if each letter in the word COMBINED is arranged in the English alphabetical order?

A. Two

B. One

C. None

D. Three

Q90 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.

KSD : HPA

FXM : CUJ

A. HRC : EOY

B. LIQ : IFN

C. ATU : XRS

D. NBJ : JZH



Q91 General Awareness

Which among the following slogans was popularised by Bal Gangadhar Tilak?

- A. Freedom is our goal and we shall achieve it
- B. Give me blood and I will give you freedom
- C. Liberty is our dream and we must attain it
- D. Swaraj is my birthright and I shall have it ✓

Q92 General Awareness

The Chota Nagpur Plateau of eastern India is especially known for the abundance of which of the following mineral resources that support the country's industry?

- A. Coal and iron ore deposits ✓
- B. Limestone used primarily for cement manufacture
- C. Petroleum and natural gas reserves
- D. Diamond-bearing kimberlite rocks

Q93 General Awareness

Which of the following British Indian government legislation separated for the first time 'provincial budgets' from the 'central budget' and authorised the provincial legislatures to enact their budgets?

- A. Indian Councils Act of 1909
- B. Government of India Act of 1935
- C. Government of India Act of 1919 ✓
- D. Indian Councils Act of 1892

Q94 General Awareness

Which country has requested WTO dispute consultations with India regarding certain Indian measures in the automotive and renewable energy sectors?

- A. Brazil
- B. England
- C. America
- D. China ✓

Q95 General Awareness

Vice-President CP Radhakrishnan inaugurated the 30th CII Partnership Summit in which city?

- A. Visakhapatnam ✓
- B. Patna
- C. New Delhi
- D. Ahmedabad

Q96 General Awareness

Which of the following dimensions is NOT directly included in the Human Development Index (HDI)?

- A. Being knowledgeable
- B. A long and healthy life
- C. Human security ✓
- D. A decent standard of living

Q97 General Awareness

What is the primary objective of the 'Aapki Punji Aapka Adhikar' campaign, launched in 2025?

- A. Expanding micro-credit access for small businesses and self-help groups across rural districts
- B. Encouraging citizens to invest in long-term pension and insurance instruments for wealth creation
- C. Facilitating speedy settlement and rightful return of unclaimed financial assets to legitimate claimants ✓
- D. Digitizing all personal banking accounts under the Jan Dhan and UPI framework for transparency

Q98 General Awareness

Reserve Bank of India (RBI) has raised India's GDP growth forecast for FY26 to .

- A. 6.9%
- B. 7.3% ✓
- C. 6.8%
- D. 6.7%

Q99 General Awareness

Words 'Integrity', 'Socialist' and 'Secular' were added to the Preamble of the Constitution of India by which of the following amendments?

- A. 44th Amendment, 1978
- B. 52nd Amendment, 1985
- C. 42nd Amendment, 1976 ✓
- D. 24th Amendment, 1971



Q100 General Awareness

Which instrument is described as a hand drum used by tribal communities in the hilly areas of Tripura and Meghalaya?

A. Dama



B. Dhak

C. Chyabrung

D. Davandi



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General Science

40 Questions • Answer Key

Q1 General Science

Which method involves coating iron with a layer of zinc to protect it from rusting?

- A. Tinning
- B. Painting
- C. Electroplating
- D. Galvanisation



Q2 General Science

Select the correct option regarding the given statements.

Statement 1: Metals and non-metals react by sharing electrons.

Statement 2: The bond formed between them is covalent.

- A. Both statements are false.
- B. Statement 1 is false; Statement 2 is true.
- C. Statement 1 is true; Statement 2 is false.
- D. Both statements are true.



Q3 General Science

Choose a term to complete the analogy.

Skeletal Muscle : Voluntary :: Cardiac Muscle :

- A. Striated
- B. Multinucleate
- C. Unbranched
- D. Involuntary



Q4 General Science

Why do cells in a multicellular organism exhibit a wide range of shapes and sizes?

- A. Variation in cell shape and size occurs without any functional significance.
- B. Their structure is adapted to perform specific functions.
- C. Each cell type contains a different genome in the same organism.
- D. Cell shape is random and unrelated to function.



Q5 General Science

Which of the following explains why most food chains do not exceed four trophic levels?

- A. Decomposers consume all organisms at higher levels
- B. Predators eat only herbivores
- C. Producers are rare in ecosystems
- D. Only 10% of energy passes to the next level



Q6 General Science

A charged particle moves perpendicular to the axis of a circular current loop. The force on the particle is _____.

- A. Depends on position and velocity
- B. Constant everywhere
- C. Always zero
- D. Maximum at center



Q7 General Science

The gravitational potential energy of an object at a height is the work done to lift it from the ground to that height _____.

- A. Along a curved path
- B. In the direction of gravity
- C. With constant velocity
- D. Against gravity



Q8 General Science

Which statement is **INCORRECT** about isobars?

- A. They have the same number of protons.
- B. They have different chemical properties.
- C. They have the same mass number.
- D. Their number of neutrons is different.



Q9 General Science

At high altitudes such as hill stations, water boils at a temperature lower than 100°C , whereas in a pressure cooker it boils above 100°C . Which of the following statements correctly explains this phenomenon?

A. Boiling point of a liquid is independent of external pressure and depends only on temperature.

B. Boiling point of a liquid increases with an increase in atmospheric pressure and decreases with a decrease in atmospheric pressure. ✓

C. Boiling point of a liquid decreases with an increase in atmospheric pressure and increases with a decrease in atmospheric pressure.

D. Water molecules at high altitude have lower kinetic energy than at sea level, so they boil at a lower temperature.

Q10 General Science

When observing onion peel and cheek cells under a microscope, which part appears lightly stained and contains many organelles?

A. Cell membrane only

B. Nucleus

C. Cell wall only

D. Cytoplasm ✓

Q11 General Science

When a small piece of sodium metal is added to chlorine gas under controlled conditions, a vigorous reaction occurs producing sodium chloride. Which of the following statements best explains the reason for the stability of the product formed?

A. Sodium and chlorine share one electron each, forming a stable covalent bond.

B. Both sodium and chlorine attain stability by forming a metallic lattice with delocalized electrons.

C. Sodium gains one electron from chlorine, forming a neutral molecule through mutual sharing.

D. Sodium donates one electron to chlorine, forming oppositely charged ions held by strong electrostatic forces. ✓

Q12 General Science

The kinetic energy of an object of mass m moving with a velocity of 5 m/s is 25 J . If its velocity is doubled to 10 m/s , what will be its kinetic energy?

A. 200 J

B. 125 J

C. 50 J

D. 100 J ✓

Q13 General Science

An unbalanced force of 100 N acts on a body at rest such that it acquires a velocity of 5 m/s in 10 s . How much is the mass of the body?

A. 200 kg ✓

B. 50 kg

C. 2 kg

D. 5 kg

Q14 General Science

Along with phosphorus and potassium, fertilisers mainly supply which of the following to crops?

A. Magnesium only

B. Calcium only

C. Nitrogen ✓

D. Zinc only

Q15 General Science

Which of the following statements is **FALSE** about mass number?

A. It represents total nucleons in the atom.

B. It is always a whole number.

C. It may differ for isotopes of the same element.

D. It is equal to twice the atomic number for all elements. ✓

Q16 General Science

When we observe a star near the horizon, it appears to be slightly higher in the sky than it really is. What is the reason for this?

A. The star becomes brighter, making it seem higher.

B. The star moves rapidly and changes its position.

C. The Earth's rotation shifts the star upward.

D. The atmosphere bends the starlight due to gradual changes in refractive index. ✓

Q17 General Science

Which characteristic defines non-uniform motion?

A. Constant speed

B. Equal displacement in equal time intervals

C. Zero acceleration

D. Covering unequal distances in equal intervals of time ✓



Q18 General Science

The effect of thrust on a surface depends on the area on which it acts. Force acting on a smaller area exerts a _____ compared to a larger area.

- A. Smaller thrust
- B. Larger pressure** ✓
- C. Zero pressure
- D. Smaller pressure

Q19 General Science

The atomic number of oxygen is 8. What does this mean?

- A. Oxygen has 8 neutrons in its nucleus
- B. Oxygen has 8 protons and 8 electrons** ✓
- C. Oxygen has 8 protons in its orbit
- D. Oxygen has 8 atoms in each molecule

Q20 General Science

Choose a term to complete the analogy.

Xylem Parenchyma : Food Storage :: Xylem Fibres :

- A. Supportive function** ✓
- B. Being tubular structures
- C. Transporting minerals
- D. Transporting water vertically

Q21 General Science

Which of the following is NOT a correct use or property of sodium hydrogen carbonate, NaHCO_3 ?

- A. It is used as a strong acid.** ✓
- B. It is used in antacids.
- C. It is used in baking as a leavening agent.
- D. It is used in fire extinguishers.

Q22 General Science

Two lens of power (+ 4 D) and (- 6 D) are placed in contact with each other. What will be their combined focal length in cm?

- A. + 0.5 cm
- B. + 0.1 cm
- C. - 50 cm** ✓
- D. - 10 cm

Q23 General Science

Unbalanced forces acting on an object always cause _____.

- A. Increase in mass
- B. Object to remain at rest
- C. No change in motion
- D. Change in motion** ✓

Q24 General Science

An object is placed at infinity in front of a concave lens. The image formed will be _____.

- A. Real, inverted, and at infinity
- B. Virtual, erect, and highly diminished at the focus** ✓
- C. Real, erect, and at the principal focus
- D. Virtual, erect, and enlarged

Q25 General Science

What is the formula unit mass of sodium carbonate (Na_2CO_3)?

(Atomic masses: Na = 23 u, C = 12 u, O = 16 u)

- A. 84 u
- B. 106 u** ✓
- C. 98 u
- D. 62 u

Q26 General Science

Why is weed management important in crop production?

- A. Weeds increase crop yield.
- B. Weeds supply nutrients to crops.
- C. Weeds have no impact on crops.
- D. Weeds compete with crops for resources.** ✓

Q27 General Science

If an object is placed between F_1 and $2F_1$ of a convex lens, the image produced is _____. (F_1 is the position of the principal focus.)

- A. Same size, real, inverted
- B. Enlarged, virtual, erect
- C. Diminished, real, inverted
- D. Enlarged, real, inverted** ✓



Q28 General Science

Which of the following components is absent in lymph but present in blood?

- A. Platelets ✓
- B. Plasma
- C. Water
- D. White blood cells (WBCs)

Q29 General Science

Multiple reflection of sound can be used to _____.

- A. Change the pitch of sound
- B. Increase the frequency of sound
- C. Reduce loudness
- D. Hear sounds clearly over long distances ✓

Q30 General Science

Read the given statements carefully and select the correct option.

Statement I: The phenomenon of change of liquid into vapours at any temperature below its boiling point is called evaporation.

Statement II: The rate of evaporation increases with an increase of surface area.

- A. Statement I is true but statement II is false.
- B. Statement I is false but statement II is true.
- C. Both statements I and II are false.
- D. Both statements I and II are true. ✓

Q31 General Science

Why is tungsten used almost exclusively for making filaments of electric bulbs?

- A. It readily oxidizes at high temperatures.
- B. It has a very high melting point. ✓
- C. It has low electrical resistance.
- D. It does not allow heat to pass.

Q32 General Science

Which organelle is known as the 'powerhouse of the cell' because it performs aerobic respiration?

- A. Ribosome
- B. Mitochondria ✓
- C. Nucleus
- D. Lysosome

Q33 General Science

Which muscular tissue in animals is responsible for voluntary movements and is attached to bones?

- A. Tendon
- B. Striated (skeletal) muscle ✓
- C. Cardiac muscle
- D. Unstriated (smooth) muscle

Q34 General Science

Select the correct option regarding the given statements.

Statement 1: The compound $\text{CH}_3\text{-CH}_2\text{-CHO}$ is propanone.
Statement 2: Aldehydes are named using the suffix '-al'.

- A. Statement 1 is false but Statement 2 is true. ✓
- B. Statement 1 is true but Statement 2 is false.
- C. Both statements are true and Statement 2 is the correct explanation of Statement 1.
- D. Both statements are true but Statement 2 is not the correct explanation of Statement 1.

Q35 General Science

Which of the following best explains why humans have the highest concentration of harmful chemicals in their bodies?

- A. They occupy the top trophic level in food chains ✓
- B. They consume more pesticides directly than other organisms
- C. They eat large quantities of contaminated animal products
- D. They are exposed to chemicals through air and water

Q36 General Science

An object is launched straight upward and reaches a maximum height of 1000 cm. What was the initial velocity of the object? (Take $g = 9.8 \text{ m/s}^2$)

- A. 10 m/s
- B. 14 m/s ✓
- C. 6 m/s
- D. 2 m/s



Q37 General Science

Which of the following correctly represents the changes that occur in the floral parts after fertilisation?

- A. The stigma and ovary both develop into fruits
- B. The ovule develops into a fruit and the ovary becomes a seed
- C. The ovary develops into a fruit while the ovule becomes a seed ☒
- D. All floral parts persist and develop into fruits

Q38 General Science

During the formation of coal from plant material, a sequence of chemical and physical changes occurs under high pressure and temperature over millions of years. Which of the following correctly represents the progressive increase in carbon content during the formation of coal?

- A. Peat → Bituminous → Lignite → Anthracite
- B. Peat → Anthracite → Bituminous → Lignite
- C. Lignite → Peat → Anthracite → Bituminous
- D. Peat → Lignite → Bituminous → Anthracite ☒

Q39 General Science

Which function is mainly performed by complex permanent tissues in plants?

- A. Protection of plant body
- B. Photosynthesis
- C. Transport of water and food ☒
- D. Storage of food

Q40 General Science

Which of the following is NOT a combination reaction?

- A. $\text{NH}_3 + \text{HCl} \rightarrow \text{NH}_4\text{Cl}$ ☒
- B. $\text{CaO} + \text{H}_2\text{O} \rightarrow \text{Ca(OH)}_2$
- C. $2\text{Cu} + \text{O}_2 \xrightarrow{\text{Heat}} 2\text{CuO}$
- D. $\text{CuO} + \text{H}_2 \xrightarrow{\text{Heat}} \text{Cu} + \text{H}_2\text{O}$

Mathematics

25 Questions • Answer Key

Q41 Mathematics

A train 240 meters long crosses a bridge 420 meters long in 22 seconds. What is the speed of the train in km/h?

- A. 108 km/h ☒
- B. 104 km/h
- C. 112 km/h
- D. 116 km/h

Q42 Mathematics

The average of three numbers is 20. If two numbers are 11 and 21, respectively, then the third number is:

- A. 27
- B. 28 ☒
- C. 30
- D. 29

Q43 Mathematics

Five years ago from now, the sum of the ages of John and his sister Jane was 25 years. If John is now twice as old as he was ten years ago, find the difference between their present ages (in years).

- A. 7
- B. 8
- C. 6
- D. 5 ☒



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Q44 Mathematics

What sum of money (in ₹) will yield ₹700 as simple interest in 2 years at 10% per annum?

A. 3500



B. 3000

C. 3900

D. 3700

Q45 Mathematics

In an election with four candidates, 60% of all registered voters voted. Candidate X got 40% of the cast votes. The rest were split equally among the other three candidates. If Candidate X received 480 more votes than each of the others, how many registered voters were there?

A. 4000



B. 6200

C. 5600

D. 4800

Q46 Mathematics

Simplify $(2pq + 11q)^2 - (2pq - 11q)^2$.

A. $88pq^2$



B. $44pq^2$

C. $88p^2q$

D. $44p^2q^2$

Q47 Mathematics

Varun buys mangoes at the rate of 3 kg for ₹15 and sells them at 5 kg for ₹50. To earn ₹125 as profit, what quantity of mangoes (in kg) must he sell?

A. 27

B. 26

C. 28

D. 25

**Q48 Mathematics**

If $a : b = c : x$, then find x when $a = 12$, $b = 18$, and $c = 27$.

A. 40.5



B. 45.5

C. 42.5

D. 43.5

Q49 Mathematics

If a regular polygon has an interior angle of 156° , then find the sum of its 7 exterior angles.

A. 168°



B. 172°

C. 165°

D. 156°

Q50 Mathematics

A garden walkway is to be paved with 2,500 rhombus-shaped stone slabs, each having diagonals of 50 cm and 35 cm. What is the total cost of polishing the walkway if the rate is ₹5 per square meter. Also, if an additional 6.25 m^2 of area is added so that the walkway becomes a square-shaped courtyard, what will be the side of this square courtyard?

A. ₹1109.25, 16 meters

B. ₹1319.45, 19 meters

C. ₹1222.15, 17 meters

D. ₹1093.75, 15 meters

**Q51 Mathematics**

If the mean of a distribution is 78 and the median is 61, then the value of mode is:

A. 27



B. 31.5

C. 50

D. 45

Q52 Mathematics

The number of tourists visiting a fort rose by 30% in summer and then dropped by 35% in monsoon. What is the overall percentage change?

A. 15.5% increase

B. 15.5% decrease



C. 12.5% increase

D. 12.5% decrease

Q53 Mathematics

When one-third of a number is increased by 55, the result is 77. Find the sum of the digits of the original number.

A. 15

B. 13

C. 12



D. 10



Q54 Mathematics

A can do a certain work at the same time in which B and C together can do it. If A and B together could do it in 6 days and C alone in 42 days, then B alone could do it in _____ days.

A. 28

B. 42

C. 14



D. 56

Q55 Mathematics

Find the number of pairs of coprime numbers between 11 and 19 (both inclusive).

A. 29

B. 30

C. 28



D. 26

Q56 Mathematics

A can complete the work in 16 days and B can complete it in 24 days. They work together for 5 days, then A leaves. How many more days will B take to complete the remaining work?

A. 11.5 days



B. 10.5 days

C. 13.5 days

D. 12.5 days

Q57 Mathematics

Smita borrowed ₹14,750 from her friend at a simple interest rate of 8% per annum. She repaid the amount after 6 months. How much did she pay in total?

A. ₹ 15355

B. ₹ 15375

C. ₹ 15340



D. ₹ 15390

Q58 Mathematics

The prices of articles of type P, Q and R are ₹280, ₹180 and ₹105, respectively. Govind buys articles of the three types in the ratio 3 : 4 : 7 for a total of ₹6,885. How many articles of type Q did he purchase?

A. 12



B. 9

C. 20

D. 18

Q59 Mathematics

A dealer buys two articles X and Y for ₹2,000 each. He marks each of them at the same price. He sells X by giving two successive discounts of 28% and 90% and still earns ₹322 as profit. If he sells Y at a single discount of 88%, then what is the profit percentage on Y?

A. 93%

B. 93.5%



C. 92.5%

D. 92%

Q60 Mathematics

Find the highest common factor (HCF) of the two numbers 64 and 148.

A. 6

B. 2

C. 3

D. 4



Q61 Mathematics

Simplify: $\frac{2^{n+3} - 2 \times 2^n}{2 \times 2^{n+2}}$

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

B. $\frac{3}{2}$ ✓

C. $\frac{2}{3}$

D. $\frac{3}{8}$

Q62 Mathematics

If $\frac{(\sin^2\theta - 3\sin\theta + 2)}{\cos^2\theta} = 1$, where $0^\circ < \theta < 90^\circ$, then the value of $\left(\cot\frac{3}{2}\theta + \sin 3\theta\right)$ is:

A. -1

B. 0

C. 1

D. 2 ✓

Q63 Mathematics

Simplify:

$$\frac{1}{2} \text{ of } \left(\frac{1}{2} \div \frac{1}{2} \text{ of } \frac{1}{2} + \frac{1}{2} \right) - \frac{1}{2}$$

A. 0.5

B. 1

C. 0.75 ✓

D. 0.25

Q64 Mathematics

Simplify:

$$[\{(96 \div (4 \times 4)) + (36 \div (9 \times 3))\} + \{(14 \times 2 \div 4) + (18 \div (3 \times 3))\}]$$

A. $\frac{59}{3}$

B. $\frac{69}{3}$

C. $\frac{39}{3}$ ✓

D. $\frac{49}{3}$



Q65 Mathematics

The volume of a cylinder having diameter 20 cm and height 42 cm is:

(Take $\pi = \frac{22}{7}$)

A. 13202 cm³

B. 13200 cm³ ✓

C. 13196 cm³

D. 13210 cm³

General Intelligence & Reasoning

25 Questions • Answer Key

Q66 General Intelligence & Reasoning

In a certain code language, 'take my share' is coded as 'tn dp bk' and 'share or perish' is coded as 'ps tn hv'. How is 'share' coded in the given language? (All the codes are two-letter codes only.)

A. tn ✓

B. dp

C. hv

D. bk

Q67 General Intelligence & Reasoning

Each vowel in the word WAMBLES is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. How many letters will appear exactly twice in the new group of letters thus formed?

A. Two

B. Zero ✓

C. One

D. Three

Q68 General Intelligence & Reasoning

Refer to the following letter series and answer the question that follows.

(Left) L F Q T G P S C I O E R Y B M J X D K N H (Right)

How many letters are there in the English alphabetical series between the letter that is fifth from the left end and third from the right end of the series?

A. Three ✓

B. Four

C. Two

D. One

Q69 General Intelligence & Reasoning

What should come in place of ? in the given series based on the English alphabetical order?

ZJF OYU DNJ SCY ?

A. HRN ✓

B. HRT

C. HTY

D. HUY

Q70 General Intelligence & Reasoning

Mr. Kell ranked 155th from the bottom and 37th from the top in his class. How many students are there in his class?

A. 191 ✓

B. 199

C. 197

D. 198

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. PUS

B. UHG ✓

C. QVT

D. EJH



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Q72 General Intelligence & Reasoning

In a certain code language,

A ~ B means 'A is the father of B',

A ¥ B means 'A is the daughter of B',

A £ B means 'A is the son of B', and

A ≤ B means 'A is the sister of B'.

Based on the above, how is W related to T if 'W ¥ X ~ Y ≤ Z £ T'?

A. Mother

B. Daughter

C. Sister

D. Wife

Q73 General Intelligence & Reasoning

In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. 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.)

29, 59

35, 71

A. 53, 105

B. 41, 83

C. 56, 112

D. 46, 91

Q74 General Intelligence & Reasoning

What should come in place of ? in the given series based on the English alphabetical order?

MFY UNG CVO KDW ?

A. SEL

B. SLO

C. SLE

D. SLP

Q75 General Intelligence & Reasoning

Mr. O starts from Point L and drives 7 km towards the south. He then takes a left turn, drives 2 km, turns right and drives 4 km. He then takes a left turn and drives 6 km. He then takes a left turn and drives 13 km. He takes a final left turn, drives 8 km and stops at Point M. How far (shortest distance) and towards which direction should he drive in order to reach Point L again? (All turns are 90 degrees turns only unless specified.)

A. 2 km towards South

B. 7 km towards East

C. 4 km towards South

D. 7 km towards West

Q76 General Intelligence & Reasoning

Suraj is the brother of Ganesh. Ganesh is the father of Harshita. Harshita is the sister of Vidhi. Vidhi is the wife of Bheem. How is Suraj related to Bheem?

A. Wife's mother's father

B. Wife's mother's brother

C. Wife's father's father

D. Wife's father's brother

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 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. PG – TK

B. MD – QH

C. VL – YO

D. SJ – WN

Q78 General Intelligence & Reasoning

In a certain code language,

A @ B means 'A is the brother of B',

A x B means 'A is the daughter of B',

A o B means 'A is the father of B', and

A ≥ B means 'A is the wife of B'.

Based on the above, how is Z related to N if 'Z o C ≥ L @ M x N'?

A. Father's mother

B. Wife's brother

C. Mother's father

D. Son's wife's father



Q79 General Intelligence & Reasoning

CK 34 is related to BL 68 in a certain way. In the same way, HP 42 is related to GQ 84. To which of the following is NV 23 related, following the same logic?

A. OW 46

B. OU 44

C. MW 48

D. MW 46 **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. Exactly five boxes are kept between E and B. D is kept fifth from the bottom. F is kept immediately below A but above E. C is not kept below A. G is kept below B but above D. How many boxes are kept between C and G?

A. Two

B. One 

C. Four

D. Three

Q81 General Intelligence & Reasoning

Six friends B, C, L, M, N and O are sitting around a circular table facing the center of the table. Only three people sit between B and M when counted from the right of B. B sits second to the left of O. L sits second to the left of C. N is an immediate neighbor of both M and O. How many people sit between B and N when counted from the right of B?

A. One

B. Four

C. Two 

D. Three

Q82 General Intelligence & Reasoning

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

$$7 \div 2 + 64 \times 8 - 8 = ?$$

A. 12

B. 16

C. 14 

D. 18

Q83 General Intelligence & Reasoning

If 'P' stands for 'x', 'Q' stands for '÷', 'R' stands for '-' and 'S' stands for '+', then what will come in place of the question mark (?) in the following equation?

$$71\ S\ 45\ P\ 5\ R\ 15\ Q\ 5\ P\ 6\ S\ 13\ R\ 74\ S\ 69 = ?$$

A. 292

B. 286 

C. 246

D. 311

Q84 General Intelligence & Reasoning

Aw, Bt, Ck, Dv, Er, Fn and Gy are sitting around a circular table facing the centre. Bt sits second to the right of Aw. Ck sits third to the left of Aw. Er sits to the immediate right of Gy. Dv sits second to the right of Er. What is the position of Fe with respect to Er?

A. Immediate right

B. Third to the right

C. Third to the left 

D. Second to the left

Q85 General Intelligence & Reasoning

The position(s) of how many letters will remain unchanged if each letter in the word ALTERING is arranged in the English alphabetical order?

A. None

B. One 

C. Three

D. Two

Q86 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.

BYR : ZWP

HEZ : FCX

A. GWK : DVH

B. SIV : QGT 

C. ZBG : XYD

D. MAU : LZU



Q87 General Intelligence & Reasoning

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

(Left) B E X Q K P X I O R G J M Y H M S M O T T (Right)

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

A. Two



B. None

C. One

D. Three

Q88 General Intelligence & Reasoning

In a certain code language, 'lamp of wisdom' is coded as 'nh rz vk' and 'light the lamp' is coded as 'rz bw mt'. How is 'lamp' coded in the given language? (All the codes are two-letter codes only.)

A. bw

B. rz



C. mt

D. nh

Q89 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, 16, 3)

(6, 18, 3)

A. (8, 40, 12)



B. (6, 19, 4)

C. (4, 13, 2)

D. (7, 28, 4)

Q90 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.

WRT : VPQ

GUA : FSX

A. SBL : RZM

B. NXR : MVO



C. FOY : EMW

D. OVQ : LTO

General Awareness

10 Questions • Answer Key

Q91 General Awareness

Which Indian won a bronze medal in the women's individual compound event at the Archery World Cup Final 2025 in Nanjing?

A. Deepika Kumari

B. Jyothi Surekha Vennam



C. Bhajan Kaur

D. Ankita Bhakat

Q92 General Awareness

Which of the following companies has secured a significant contract to indigenously produce the BvS10 Sindhu, an advanced all-terrain armoured vehicle, for the Indian Army?

A. Hindustan Aeronautics Ltd. (HAL)

B. Bharat Electronics Ltd. (BEL)

C. Larsen & Toubro (L&T)



D. Mahindra Defence Systems

Q93 General Awareness

The Rural Infrastructure Development Fund (RIDF) was established in India in which of the following years?

A. 2002–03

B. 1993–94

C. 1995–96



D. 2000–01

Q94 General Awareness

Which of the following amendments to the Indian Constitution is regarded as a major milestone in the country's taxation system for introducing the Goods and Services Tax (GST)?

A. 97th Amendment, 2011

B. 101st Amendment, 2016



C. 100th Amendment, 2015

D. 86th Amendment, 2002



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Q95 General Awareness

Indigenous GSAT-7R weighs 4400 kg, making it the heaviest communication satellite launched from which country?

- A. United State of America
- B. Japan
- C. France
- D. India ✓

Q96 General Awareness

In which of the following years was the 'Indus Water Treaty' signed between India and Pakistan?

- A. 1960 ✓
- B. 1955
- C. 1963
- D. 1947

Q97 General Awareness

India celebrated Engineers Day on 15 Sep 2025 with the theme "Deep Tech & Engineering Excellence" in memory of whom?

- A. A.P.J. Abdul Kalam
- B. Sir M. Visvesvaraya ✓
- C. Srinivasa Ramanujan
- D. Jagadish Chandra Bose

Q98 General Awareness

In India, which of the following is NOT considered as a constitutional body?

- A. Election Commission of India
- B. National Human Rights Commission ✓
- C. Union Public Service Commission
- D. Finance Commission of India

Q99 General Awareness

Who among the following is NOT part of the Trinity of Carnatic Music?

- A. Shyama Shastri
- B. Swathi Thirunal ✓
- C. Muthuswami Dikshitar
- D. Tyagaraja

Q100 General Awareness

Which of the following is the highest peak of the Western Ghats mountain range?

- A. Mahabaleshwar, Sahyadri plateau region
- B. Anaimudi, Anamalai Hills ✓
- C. Doddabetta, Nilgiri Hills
- D. Mullayanagiri, Baba Budan Hills



General Science

40 Questions • Answer Key

Q1 General Science

Which of the following best defines reduction in a redox reaction?

- A. Loss of electrons only
- B. Gain of oxygen or loss of hydrogen
- C. Gain of both oxygen and electrons
- D. Gain of hydrogen or loss of oxygen ✓

Q2 General Science

Which of the following distinguishes the Rough Endoplasmic Reticulum from the Smooth Endoplasmic Reticulum?

- A. SER is rich in ribosomes.
- B. RER has ribosomes. ✓
- C. SER synthesizes proteins only.
- D. RER stores lipids.

Q3 General Science

Which structural characteristic allows epithelial tissue to function as a protective layer?

- A. Cells are connected exclusively by desmosomes.
- B. Cells are long and multinucleated.
- C. Cells are loosely arranged with abundant extracellular matrix.
- D. Cells are tightly packed with minimal intercellular space. ✓

Q4 General Science

Vibration, which produces sound, is defined as a kind of rapid _____.

- A. Slow lateral motion
- B. Linear forward motion
- C. To and fro motion of an object ✓
- D. Single directional displacement

Q5 General Science

Which of the following statements correctly describes the transportation of blood from the heart to the lungs?

- A. Oxygenated blood flows from the left ventricle to the lungs for purification.
- B. Deoxygenated blood is pumped from the right ventricle to the lungs. ✓
- C. Oxygenated blood is carried from the lungs to the right atrium.
- D. Deoxygenated blood is pumped from the left ventricle to the lungs.

Q6 General Science

A 90 W electric bulb does how much work in 10 seconds?

- A. 90 J
- B. 9 J
- C. 900 J ✓
- D. 9000 J

Q7 General Science

A student notices that Hydra creates new organisms by developing small protrusions on its body, which eventually detach. What kind of reproduction is this?

- A. Regeneration
- B. Parthenogenesis
- C. Sexual reproduction
- D. Budding ✓

Q8 General Science

The quality and taste of honey mainly depends on which of the following factors?

- A. Age of the bees
- B. Number of worker bees in the colony
- C. Type of beehive
- D. Type and availability of flowers ✓



Q9 General Science

A concave mirror produces a virtual, erect and magnified image when the object is positioned _____.

- A. Between the focus and the pole** ✓
- B. Beyond the centre of curvature
- C. At the principal focus
- D. Between the centre of curvature and the focus

Q10 General Science

A body moves 6 km towards the east in 1 hour and then 8 km towards the west in the next 1 hour. The average velocity of the body for the whole journey is _____.

- A. 1 km/h west** ✓
- B. 1 km/h east
- C. 7 km/h east
- D. 0

Q11 General Science

Which of the following are produced when a metal oxide reacts with an acid?

- A. Salt and water** ✓
- B. Salt and carbon dioxide
- C. Salt and oxygen gas
- D. Salt and hydrogen gas

Q12 General Science

Which of the following is a characteristic feature of skeletal muscle?

- A. Involuntary control
- B. Single, central nucleus
- C. Non-striated appearance
- D. Striated appearance** ✓

Q13 General Science

If 12 J of work is done to move a charge of 2 C between two points, what is the potential difference between these points?

- A. 14 V
- B. 24 V
- C. 6 V** ✓
- D. 10 V

Q14 General Science

Which statement correctly explains the role of decomposers in an ecosystem?

- A. They convert inorganic substances into complex organic compounds
- B. They absorb sunlight to produce energy-rich compounds
- C. They directly provide food to carnivores
- D. They recycle nutrients by breaking down dead organisms into simple substances** ✓

Q15 General Science

For a body moving with uniform acceleration, average velocity equals _____.

- A. Zero
- B. Initial velocity
- C. (Initial velocity + Final velocity)/2** ✓
- D. Final velocity

Q16 General Science

Which tissue in plants is primarily responsible for storage and basic metabolic functions in mature organs?

- A. Epidermis
- B. Sclerenchyma
- C. Collenchyma
- D. Parenchyma** ✓

Q17 General Science

Which of the following statements is/are INCORRECT about the loudness and softness of a sound wave?

- (i) A loud sound has more amplitude as compared to a soft sound.
- (ii) A loud sound has lesser energy associated with it as compared to a soft sound.
- (iii) Loudness of sound wave is the measure of the response of our heart to the sound.

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



Q18 General Science

Plastids, which are found only in plant cells, help in:

- A. transport
- B. excretion
- C. respiration
- D. photosynthesis and storage ✓

Q19 General Science

Which of the following metals forms an amphoteric oxide when reacting with air?

- A. Calcium
- B. Potassium
- C. Aluminium ✓
- D. Sodium

Q20 General Science

Which of the following pairs of element names and symbols is correctly matched?

- A. Tin – Sn ✓
- B. Lead – Ld
- C. Mercury – Me
- D. Silver – S

Q21 General Science

Which of the following can happen when non-biodegradable waste is dumped into water bodies?

- A. It quickly dissolves in water.
- B. It cleans the water.
- C. It helps aquatic plants grow.
- D. It pollutes the water and harms aquatic life. ✓

Q22 General Science

The magnitude of force on a conductor in a magnetic field increases when _____.

- A. Length decreases
- B. Current increases ✓
- C. Magnetic field decreases
- D. Current decreases

Q23 General Science

The weight of a body on the moon is 3 N. What will be the weight of the body on Earth?

- A. 3 N
- B. 0.5 N
- C. 18 N ✓
- D. 2 N

Q24 General Science

What factor primarily influences the quality and quantity of honey produced in bee farming?

- A. The temperature inside the beehive alone
- B. Flower types and their abundance for nectar gathering ✓
- C. The colour of the bees
- D. The size of the beehive used only

Q25 General Science

What is the audible frequency range for human beings?

- A. 20 Hz to 20,000 Hz ✓
- B. 20 kHz to 200 kHz
- C. 200 Hz to 200,000 Hz
- D. 2 Hz to 200 Hz

Q26 General Science

Which of the following statements correctly explains the position of sodium (Na) in the activity series of metals?

- A. Sodium does not react with water, hence placed at the bottom of the series.
- B. Sodium is less reactive than hydrogen and hence placed below it.
- C. Sodium is less reactive than copper and cannot displace it from salt solution.
- D. Sodium is more reactive than hydrogen and displaces it from acid. ✓

Q27 General Science

Ethanoic acid reacts with sodium carbonate to produce:

- A. Sodium hydroxide and CO₂
- B. Sodium acetate, hydrogen, and water
- C. Sodium acetate, carbon dioxide, and water ✓
- D. Sodium acetate and carbon monoxide



Q28 General Science

Which of the following compounds obeys the Law of Constant Proportions?

- A. Soil
- B. Air
- C. Water
- D. Brass

**Q29 General Science**

A device has a resistance of $75\ \Omega$ and carries a current of 4 A. The power dissipated is _____.

- A. 18.75 W
- B. 300 W
- C. 1200 W
- D. 1400 W

**Q30 General Science**

A body covers a straight-line distance of 10 m from point A to B in 5 s and then covers back the distance from point B to point A along the same straight path in 5 s. How much will be the average speed of the body?

- A. 5 m/s
- B. 2 m/s
- C. 200 m/s
- D. 0.5 m/s

**Q31 General Science**

Which of the following is a characteristic feature of all organic compounds?

- A. They always contain carbon
- B. They always contain oxygen
- C. They always form ionic bonds
- D. They always contain nitrogen

**Q32 General Science**

In the chemical equation $x\text{Pb}(\text{NO}_3)_2(\text{s}) \rightarrow y\text{PbO}(\text{s}) + z\text{NO}_2(\text{g}) + w\text{O}_2(\text{g})$, what are the values of x, y, z and w?

- A. $x = 2$; $y = 1$; $z = 4$; $w = 2$
- B. $x = 1$; $y = 2$; $z = 3$; $w = 2$
- C. $x = 2$; $y = 4$; $z = 2$; $w = 1$
- D. $x = 2$; $y = 2$; $z = 4$; $w = 1$

**Q33 General Science**

Read the following three statements and choose the correct option:

Statement I: Formula unit mass is applicable only to ionic compounds, not covalent ones.

Statement II: Formula unit mass is the sum of the atomic masses of all atoms in the empirical formula of an ionic compound.

Statement III: The formula unit mass of sodium chloride (NaCl) is 58.5 u.

- A. All I, II and III are correct.
- B. Only II and III are correct.
- C. Only I and II are correct.
- D. Only I and III are correct.

**Q34 General Science**

Sexual maturation in humans results in:

- A. Loss of reproductive capacity and growth
- B. Decrease in hormone levels and loss of reproductive organs
- C. Only physical growth
- D. Development of reproductive organs and secondary sexual characteristics

**Q35 General Science**

Which of the following statement about a solution is correct?

- A. A solution is a heterogeneous mixture of two or more substances.
- B. A solution is a homogeneous mixture in which the solute particles are not visible to the naked eye.
- C. The solute in a solution settles down on standing.
- D. The solute in a solution is always present in a greater amount than the solvent.

**Q36 General Science**

Thomson's model is often referred to as the 'plum pudding model'. In this analogy, what does the 'plum' represent?

- A. Protons
- B. Neutrons
- C. Alpha particles
- D. Electrons



Q37 General Science

The motion of the moon around the earth requires a centripetal force, which is provided by _____.

- A. The inertia of the moon
- B. The internal forces of the moon
- C. The force of attraction of the earth ✓
- D. The thrust of the sun

Q38 General Science

The gravitational force between two masses increases when _____.

- A. Their masses decrease
- B. The distance between them increases
- C. They are kept in water
- D. The product of their masses increases ✓

Q39 General Science

In some plants, a meristematic tissue is found at the base of leaves or near the nodes, separating regions of a mature tissue. Which tissue is this?

- A. Lateral meristem
- B. Apical meristem
- C. Differentiated tissue
- D. Intercalary meristem ✓

Q40 General Science

An element X has two isotopes: ${}_6\text{X}^{12}$ and ${}_6\text{X}^{14}$. Both are electrically neutral and chemically identical, but one of them is unstable and radioactive. Which of the following statements best explains why ${}_6\text{X}^{14}$ is radioactive, even though both isotopes have the same number of protons and electrons?

- A. Because ${}_6\text{X}^{14}$ has equal numbers of protons and neutrons, making it energetically unstable
- B. Because ${}_6\text{X}^{14}$ has a smaller nucleus that cannot hold neutrons tightly, resulting in spontaneous decay
- C. Because ${}_6\text{X}^{14}$ has excess neutrons, causing imbalance in nuclear forces ✓
- D. Because ${}_6\text{X}^{14}$ has more electrons than protons, leading to instability in electron distribution

Mathematics

25 Questions • Answer Key

Q41 Mathematics

A and B can complete a work in 12 days and 6 days, respectively. They started doing the work together but after 2 days, B had to leave, and A completed the remaining work alone. The remaining work was completed in _____ days.

- A. 6 ✓
- B. 9
- C. 8
- D. 10

Q42 Mathematics

If $8 : 12 = 20 : x$, find the value of x .

- A. 34
- B. 32
- C. 28
- D. 30 ✓

Q43 Mathematics

In the expansion of $(x + 9)(x - 6)(x + 5)$, what is the coefficient of x ?

- A. -39 ✓
- B. 33
- C. -35
- D. 30

Q44 Mathematics

Ramesh deposits ₹24,000 in his account, which pays an annual interest rate of 12% compounded quarterly. Calculate the total amount in his account after six months

- A. ₹25,937
- B. ₹25,461.60 ✓
- C. ₹25,431
- D. ₹25,678.60



Q45 Mathematics

In a test, B got 50 marks while A got 80 marks out of 120 maximum marks. What percentage of A's marks were B's marks?

- A. 120%
- B. 66.67%
- C. 62.5%
- D. 160%

**Q46 Mathematics**

Kirti starts a business with ₹35,000 and after 3 months, Vaishnavi joins Kirti as her partner. After a year, the profit is divided in the ratio 7 : 6. What is Vaishnavi's contribution in the capital?

- A. ₹40,000
- B. ₹39,255
- C. ₹38,240
- D. ₹41,020

**Q47 Mathematics**

A student scored 91% of the maximum marks in an exam and passed by 187 marks. But when he scored 36% of the marks in the same exam, he failed by 60.5 marks. Find the maximum marks of the exam.

- A. 400
- B. 465
- C. 425
- D. 450

**Q48 Mathematics**

The difference between the present ages of Ayushi and Nidhi is 14 years. Five years ago from now, the sum of their ages was 60 years. If Ayushi is older than Nidhi, find Nidhi's present age (in years).

- A. 28
- B. 27
- C. 23
- D. 31

**Q49 Mathematics**

What sum of money (in ₹) will yield ₹720 as simple interest in 2 years at 10% per annum?

- A. 4000
- B. 3600
- C. 3800
- D. 3100

**Q50 Mathematics**

A customer purchases a laptop that has a marked price of ₹50,000. The store offers a 10% discount on the laptop. In addition, there is a festival offer that provides an extra 12% discount on the already discounted price. If the customer pays with a credit card and gets an additional 5% cashback on the final price, then how much does the customer effectively pay?

- A. ₹37,490
- B. ₹37,560
- C. ₹37,430
- D. ₹37,620

**Q51 Mathematics**

The mean of a data is 19 and its median is 51. The mode (using empirical relation) of the data is:

- A. 173
- B. 115
- C. 130
- D. 30

**Q52 Mathematics**

The difference between the present ages of Lata and Smita is 84 years. Five years ago from now, the sum of their ages was 92 years. If Lata is older than Smita, find Smita's present age (in years).

- A. 9
- B. 2
- C. 19
- D. 12

**Q53 Mathematics**

What is the mode of the following data?

52, 44, 47, 50, 45, 40, 43, 53, 53, 45, 52, 50, 52, 52, 44, 47, 54, 50

- A. 52
- B. 44
- C. 47
- D. 50



Q54 Mathematics

If the number 62A4 is divisible by 4, then the least possible value of A can be:

- A. 2
- B. 6
- C. 4
- D. 0

**Q55 Mathematics**

During a sale, 40% of the goods are sold at a 17% profit; 25% of the remaining goods are sold at a 22% profit; and the rest are sold at a 10% loss. Assuming all goods have the same cost price, what is the overall profit percentage?

- A. 6.2%
- B. 6.8%
- C. 5.6%
- D. 5.8%

**Q56 Mathematics**

A train moving at 72 km/h overtakes another train, 180 m long, running in the same direction at 36 km/h in 27 seconds. Find the length of the faster train.

- A. 100 m
- B. 80 m
- C. 110 m
- D. 90 m

**Q57 Mathematics**

Two numbers have HCF 7 and LCM 84. If one number is 21, find the other.

- A. 28
- B. 42
- C. 24
- D. 35

**Q58 Mathematics**

The capacity of a cylindrical tank is 55440 cm^3 . If its base radius is 14 cm, then find the total surface area of the tank.

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

- A. 9052 cm²
- B. 9152 cm²
- C. 9352 cm²
- D. 9252 cm²

**Q59 Mathematics**

In triangle PQR, the angle bisector of $\angle P$ cuts QR at A. Find the length of PR, if the lengths of PQ, QA and AR are 12 cm, 4.2 cm and 3.8 cm, respectively. (Round off to one decimal place).

- A. 11.4 cm
- B. 8.2 cm
- C. 7.8 cm
- D. 10.9 cm

**Q60 Mathematics**

Simplify:

$[(18 \div 9 \times 3) \text{ of } \{((18 \div (6 \times 2)) \div 3) + (16 \div (5 + 3 - 6))\}]$

- A. 51
- B. 34
- C. 17
- D. 68



Q61 Mathematics

Simplify: $2\frac{1}{2} + 1\frac{3}{4} - 1\frac{1}{4}$

A. $2\frac{3}{4}$

B. $2\frac{1}{2}$

C. $3\frac{1}{4}$

D. 3

**Q62** Mathematics

Pipe A can fill a tank in 10 hours; pipe B can fill it in 12 hours, and pipe C can empty it in 15 hours. All three pipes are opened together, but after 4 hours pipe C is closed. Find the total time taken to fill the empty tank.

A. $6\frac{10}{11}$ hours



B. $6\frac{5}{11}$ hours

C. $5\frac{10}{11}$ hours

D. $5\frac{5}{11}$ hours

Q63 Mathematics

What is the value of $\sec^2(60^\circ) - 1$?

A. 0

B. 1

C. 2

D. 3

**Q64** Mathematics

The area of a square is 225 cm^2 . Its perimeter is equal to the perimeter of a regular hexagon. What is the area (in cm^2) of the hexagon?

A. $136\sqrt{3}$

B. 128

C. 184

D. $150\sqrt{3}$



Q65 Mathematics

If $3^{2a-b} = 3^{a+b} = \sqrt{27}$, find the value of b .

A. $\frac{3}{2}$

B. $\frac{1}{4}$

C. $\frac{1}{2}$ ✓

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

General Intelligence & Reasoning

25 Questions • Answer Key

Q66 General Intelligence & Reasoning

Raman starts from point Y and drives 15 km towards South. He then turns left and drives 21 km, takes a left and drives 69 km. He then takes a left turn and drives 42 km. He takes a left turn, drives 54 km, turns right and drives 26 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. 51 km towards west

B. 47 km towards east ✓

C. 49 km towards east

D. 45 km towards west

Q67 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 # B' means 'A is the wife of B' and
 'A ÷ B' means 'A is the father of B'.

How is Q related to H if 'Q @ W + R # G ÷ H'?

A. Mother

B. Wife

C. Daughter

D. Sister ✓

Q68 General Intelligence & Reasoning

What should come in place of ? in the given series based on the English alphabetical order?

PIO VOU BUA HAG ?

A. GNM

B. NMG

C. NGM ✓

D. HMN

Q69 General Intelligence & Reasoning

LN 17 is related to HJ 23 in a certain way. In the same way, SU 5 is related to OQ 11. To which of the following is NP 9 related, following the same logic?

A. KL 15

B. JL 15 ✓

C. KM 13

D. JL 13

Q70 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?

$$536 + 67 \times 9 - 22 \div 283 = ?$$

A. 93 ✓

B. 102

C. 97

D. 106



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Q71 General Intelligence & Reasoning

B, C, D, E, G, H and I are sitting around a circular table, facing the centre of the table. Only two people sit between C and D, when counted from the left of D. G sits third to the left of I. B sits to the immediate right of I. B sits second to the left of C. H is not an immediate neighbor of G. Who sits third to the right of E?

A. G

B. B



C. H

D. D

Q72 General Intelligence & Reasoning

In a certain code language, 'FISH' is coded as '2815' and 'SHIP' is coded as '1352'. What is the code for 'P' in that language?

A. 1

B. 3



C. 8

D. 5

Q73 General Intelligence & Reasoning

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

(Left) T J R M G K S M O X Z W Z D T B L N Z O L (Right)

How many such vowels are there, each of which is immediately preceded by a vowel and also immediately followed by a consonant?

A. One

B. None



C. Three

D. Two

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.)

(5, 14, 6)

(9, 22, 14)

A. (8, 23, 15)

B. (6, 8, 16)

C. (10, 16, 8)

D. (7, 18, 10)

**Q75 General Intelligence & Reasoning**

KV 14 is related to MT 34 in a certain way. In the same way, GR 27 is related to IP 47. To which of the following is CN 35 related, following the same logic?

A. EM 45

B. DL 65

C. DM 55

D. EL 55

**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. NHY



B. GID

C. OQL

D. LNI

Q77 General Intelligence & Reasoning

Each letter in the word LEMONY is changed to the letter immediately following it in the English alphabetical order and then all the letters thus formed are arranged in the English alphabetical order. Which of the following letters will be third from the right in the new group of letters thus formed?

A. M

B. O



C. N

D. P



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 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. JM - HK

B. PS - NQ

C. IK - FH



D. TW - RU

Q79 General Intelligence & Reasoning

Seven people, C, D, E, F, J, K and L, are sitting in a row, facing north. Only two people sit to the right of D. Only two people sit between D and E. Only two people sit between J and L. L sits to the immediate left of D. F sits to the immediate right of K.

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

A. C



B. E

C. J

D. L

Q80 General Intelligence & Reasoning

Each letter in the word KLATSCH is changed to the letter immediately following it in the English alphabetical order and then all the letters thus formed are arranged in alphabetical order. Which of the following letters will be fourth from the right in the new group of letters thus formed?

A. I

B. M

C. D

D. L

**Q81 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 five boxes are kept above E. Only two boxes are kept between F and E. C is kept immediately above A. G is kept below D but above F. How many boxes are kept between B and A?

A. One



B. Two

C. Three

D. Four

Q82 General Intelligence & Reasoning

FGJL is related to JKNP in a certain way based on the English alphabetical order. In the same way, PQTV is related to TUXZ. To which of the following is NORT related, following the same logic?

A. STWY

B. RSVP

C. RSWY

D. RSVX

**Q83 General Intelligence & Reasoning**

In a certain code language, 'PART' is coded as '7642' and 'TWIN' is coded as '1356'. What is the code for 'T' in that language?

A. 6



B. 3

C. 2

D. 1

Q84 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.)

(2, 10, 38)

(4, 12, 46)

A. (7, 15, 58)



B. (3, 15, 58)

C. (5, 13, 54)

D. (6, 18, 70)

Q85 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 M related to R if 'M + K ÷ L – P x R'?

A. Mother

B. Wife's father's mother

C. Wife's father's sister



D. Sister



Q86 General Intelligence & Reasoning

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

(Left) R Y V O B I E A U K E H G B V T G R C S T (Right)

How many such vowels are there, each of which is immediately preceded by a consonant and also immediately followed by a vowel?

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

**Q87 General Intelligence & Reasoning**

In a certain code language,
 A # B means 'A is the mother of B',
 A + B means 'A is the daughter of B',
 A ÷ B means 'A is the wife of B',
 and A @ B means 'A is the father of B'.

How is A related to T if 'A + B # H @ K ÷ T'?

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

**Q88 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. FHG
- B. LPN
- C. RVT
- D. IMK

**Q89 General Intelligence & Reasoning**

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

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

**Q90 General Intelligence & Reasoning**

If 'I' stands for '+', 'J' stands for '×', 'K' stands for '÷' and 'L' stands for '−', then what will come in place of the question mark (?) in the following equation?

45 L 21 K 7 J 6 I 33 J 9 L 15 I 69 K 3 L 29 = ?

- A. 369
- B. 303
- C. 343
- D. 392

**General Awareness**

10 Questions • Answer Key

Q91 General Awareness

The Ramosi Revolt was led by which tribal leader in 1822 against Britishers?

- A. Veer Surendra Sai
- B. Kittur Chennamma
- C. Chittur Singh
- D. Bakshi Jagabandhu

**Q92 General Awareness**

Which of the following cities experiences the retreat of Monsoon last?

- A. Ahmedabad
- B. Mumbai
- C. Jaipur
- D. Chennai



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Q93 General Awareness

In which state was the 22nd All India TDS Conference organised to review Income Tax Act amendments?

A. Maharashtra

B. Madhya Pradesh ✓

C. Rajasthan

D. Gujarat

Q94 General Awareness

Where was the 30th Senior Women's National Football Championship – Rajmata Jijabai Trophy final match played?

A. Narainpur ✓

B. Raipur

C. Raigarh

D. Bilaspur

Q95 General Awareness

On which date was Engineers' Day observed in India in 2025?

A. 16 September

B. 15 September ✓

C. 13 September

D. 14 September

Q96 General Awareness

Which of the following is NOT one of the valid ways to acquire Indian citizenship under the Citizenship Act, 1955?

A. By birth

B. By marriage ✓

C. By registration

D. By descent

Q97 General Awareness

The inaugural railway line in the Indian subcontinent was opened in 1853 between between which two locations?

A. Surat and Bharuch

B. Patna and Gaya

C. Jaipur and Ajmer

D. Bombay and Thane ✓

Q98 General Awareness

Which agency has bagged a Transfer of Technology (ToT) deal, valued at ₹511 crore, from the Indian Space Research Organisation, to build and operate Small Satellite Launch Vehicles (SSLVs)?

A. Larsen & Toubro

B. Bharat Dynamics Limited

C. Hindustan Aeronautics Limited ✓

D. Adani Defence

Q99 General Awareness

Which of the following classical music instruments did Ustad Bismillah Khan mostly popularise?

A. Tabla

B. Veena

C. Shehnai ✓

D. Sitar

Q100 General Awareness

Which of the following 1973 landmark judgments of the Supreme Court of India provided that Parliament cannot amend the 'basic structure' of the Constitution through amendments?

A. Kesavananda Bharati Case ✓

B. Minerva Mills Case

C. Golakhnath Case

D. Champakam Dorairanjan Case



General Science

40 Questions • Answer Key

Q1 General Science

The burning of carbon to form carbon dioxide is an example of a/an:

A. Exothermic reaction ✓

B. Reversible reaction

C. Photochemical reaction

D. Endothermic reaction

Q2 General Science

An ultrasonic wave has a frequency of 33 kHz. What will be the speed of this wave if its wavelength is 0.01 m?

A. 330 m/s ✓

B. 0.33 m/s

C. 33 m/s

D. 3.3 m/s

Q3 General Science

Which property of connective tissue enables it to bind and support different body parts?

A. Presence of cilia

B. Presence of contractile proteins

C. Presence of extracellular matrix ✓

D. Presence of nerve endings

Q4 General Science

The formation of micelles in soap solution occurs due to:

A. hydrogen bonding with water molecules

B. hydrophobic and hydrophilic interactions in water ✓

C. electrostatic attraction between ions

D. dispersion forces only

Q5 General Science

A train starts from rest and reaches a speed of 216 km/h in 10 minutes. If its acceleration is uniform, what is the value of the acceleration?

A. 1.0 m/s²

B. 0.6 m/s²

C. 0.1 m/s² ✓

D. 0.4 m/s²

Q6 General Science

A concave lens has a focal length of 15 cm. If it forms an image 10 cm from the lens, how far away is the object placed from the lens?

A. -25 cm

B. +6 cm

C. -30 cm ✓

D. +30 cm

Q7 General Science

If decomposers were removed from an ecosystem, what would be the most immediate consequence?

A. Accumulation of waste and dead matter, disrupting nutrient cycling ✓

B. Increased plant growth due to more dead organic matter

C. Decrease in sunlight reaching producers

D. Rapid increase in herbivore population

Q8 General Science

Which of the following is the correct formula for the compound calcium phosphate?

A. CaPO₄

B. Ca₂(PO₄)₃

C. Ca₃(PO₄)₂ ✓

D. Ca₄(PO₄)₃

Q9 General Science

If the gravitational force experienced by a body of mass 'm' on the surface of Earth is 'X' N. If the mass of the body is tripled, what will be the value of the gravitational force experienced by the body?

A. X/9 N

B. 3X N ✓

C. X N

D. X/3 N



Q10 General Science

Read the given Assertion (A) and Reason (R) and select the most appropriate option.

(A): A woman has normal ovulation and fertilisation, but the zygote is expelled without attaching to the uterine wall because implantation has failed.

(R): Implantation is the process by which the blastocyst embeds in the endometrium to establish pregnancy.

- 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

Q11 General Science

What are the tiny blobs present on stick-like structures in *Rhizopus* called?

- A. Hyphae
- B. Spores
- C. Roots
- D. Sporangia ✓

Q12 General Science

When standing still with a heavy load on your head, you expend energy and get tired. Why is zero work done on the load?

- A. There is no displacement of the load. ✓
- B. Force is not being applied.
- C. The force applied is vertical.
- D. The time elapsed is irrelevant.

Q13 General Science

Which of the following statements about natural acid-base indicators is correct?

- A. Red litmus turns blue in acids.
- B. Methyl orange is a natural indicator extracted from turmeric.
- C. Turmeric turns red in basic solution. ✓
- D. China rose (Hibiscus) extract turns green in bases.

Q14 General Science

If a velocity–time graph shows a horizontal straight line, the object is moving with _____.

- A. No velocity
- B. Constant velocity ✓
- C. Zero displacement
- D. Non-uniform acceleration

Q15 General Science

In a velocity–time graph, the graph is a straight horizontal line at 10 m/s for 5 seconds. Then the distance travelled is _____.

- A. 2 m
- B. 5 m
- C. 10 m
- D. 50 m ✓

Q16 General Science

Which component of phloem is responsible for the transport of food in plants?

- A. Companion cells
- B. Sieve tubes ✓
- C. Phloem fibers
- D. Phloem parenchyma

Q17 General Science

An echo is heard in 6 s. If the distance of the reflecting surface from the source is 990 m, then how much is the speed of sound?

- A. 330 m/s ✓
- B. 1320 m/s
- C. 660 m/s
- D. 165 m/s

Q18 General Science

What is the main purpose of balanced nutrient management in crops?

- A. To optimize soil fertility and crop yield ✓
- B. To maximize pesticide use
- C. To promote weed growth
- D. To eliminate water requirements



Q19 General Science

Which of the following is the correct relation between the object distance (u), image distance (v) and focal length (f) of a convex lens?

A. $(1/v) - (1/u) = 1/f$ ✓

B. $v + u = f$

C. $(1/v) \times (1/u) = 1/f$

D. $v - u = f$

Q20 General Science

If producers increase in number and herbivores decrease in number, what is the likely sudden consequence in the food chain?

A. Producers will decrease due to overgrazing.

B. Decomposers population will decline suddenly.

C. Carnivore population will increase.

D. Carnivore population will decrease due to less food. ✓

Q21 General Science

The ratio of the unit mass of a molecule of nitrogen (N_2) to that of an oxygen molecule (O_2) is approximately:

A. 14 : 32

B. 8 : 7

C. 28 : 16

D. 7 : 8 ✓

Q22 General Science

In the respiratory tract, columnar epithelium possesses cilia. What is the primary function of these cilia?

A. To increase the surface area for absorption only

B. To secrete substances onto the epithelial surface

C. To move and push mucus forward to clear it ✓

D. To provide only mechanical support to the tract

Q23 General Science

The speed of sound depends primarily on the nature and _____ of the medium.

A. Volume

B. Pressure

C. Amplitude

D. Temperature ✓

Q24 General Science

Blood pressure is recorded as two values: _____ pressure, measured when the heart contracts, and _____ pressure, measured when the heart relaxes.

A. Diastolic; Venous

B. Systolic; Diastolic ✓

C. Maximum; Systolic

D. Diastolic; Systolic

Q25 General Science

Which of these is an example of a solid sol?

A. Cheese

B. Jelly

C. Coloured gem ✓

D. Smoke

Q26 General Science

Meristematic tissue in plants is mainly characterized by:

A. Permanent storage cells.

B. Mature cells with thick walls.

C. Large, highly vacuolated cells.

D. Small, actively dividing cells with thin walls. ✓

Q27 General Science

Which structure is present in plant cells but absent in animal cells?

A. Cell wall ✓

B. Mitochondria

C. Cytoplasm

D. Endoplasmic reticulum



Q28 General Science

During the extraction of metals from their ores, the removal of gangue is an important preliminary step. Which of the following statements most accurately explains why different concentration methods (such as hydraulic washing, froth flotation and magnetic separation) are used for different ores?

- A. Because the choice of concentration method depends on the melting point of the ore and gangue
- B. Because gangue particles are chemically reactive and must be removed by oxidation before extraction
- C. Because all ores have identical physical properties but different chemical compositions
- B. **Because each method exploits specific differences in physical and chemical properties between the ore and the gangue** ✓

Q29 General Science

A porter lifts a 10 kg luggage from the ground and places it on his head at a height of 2.5 m. What is the work done by the porter on the luggage? (Using $g = 10 \text{ m/s}^2$)

- A. 500 J
- B. 100 J
- B. **250 J** ✓
- D. 25 J

Q30 General Science

Burning of a saturated hydrocarbon will result in which type of flame?

- A. Yellow flame
- B. Sooty flame
- B. **Clean flame** ✓
- D. Green flame

Q31 General Science

The versatile nature of carbon is responsible for the formation of which of the following types of compounds?

- A. Inorganic compounds
- B. **Organic compounds** ✓
- C. Ionic compounds
- D. Metallic compounds

Q32 General Science

A wooden block of mass 50 kg is placed on a smooth horizontal surface. A constant horizontal force of 'X' N is applied on it while it is at rest. The block acquires a velocity of 10 m/s in 2 s. What is the value of X?

- A. 100 N
- B. **250 N** ✓
- C. 10 N
- D. 25 N

Q33 General Science

Which of the following is a molecule formed by two atoms of the same element?

- A. H_2O
- B. **H_2** ✓
- C. CO
- D. O_3

Q34 General Science

Which of the following practices directly contributes to crop yield improvement?

- A. **Timely irrigation and fertilization** ✓
- B. Delayed harvest
- C. Planting the same crop year after year
- D. Ignoring pest signs

Q35 General Science

A student heats 10 g of calcium carbonate in a closed container. It decomposes into 5.6 g of calcium oxide and carbon dioxide gas. What will be the mass of carbon dioxide produced?

- A. 15.6 g
- B. **4.4 g** ✓
- C. 5.0 g
- D. 10.0 g

Q36 General Science

What is the main advantage of using olfactory indicators?

- A. They can be used for all solutions.
- B. They give exact pH values.
- C. **They are useful for visually impaired individuals.** ✓
- D. They change colour sharply.



Q37 General Science

Which of the following is a function of the Golgi apparatus?

A. Packaging and secretion of materials



B. Protein synthesis

C. Photosynthesis

D. ATP production

Q38 General Science

An object is placed at 100 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 smaller in size as compared to the object size?

A. The screen should be beyond 100 cm from the lens.

B. The screen should be placed anywhere between 40 cm and 80 cm from the lens.



C. The screen should be placed at 40 cm from the lens.

D. The screen should be placed anywhere between 20 cm and 40 cm from the lens.

Q39 General Science

A concave lens forms a virtual image when the object is placed _____.

A. At 2F only

B. Beyond 2F only

C. At any position in front of the lens.



D. At infinity only

Q40 General Science

Which of the following statements are correct?

1. Colloids appear homogeneous because their particles are very small.
2. Colloids are truly homogeneous at the molecular level.
3. Colloidal particles scatter light.
4. Milk is a colloidal solution.

A. 1, 2, 3 and 4

B. 2 and 4 only

C. 1 and 2 only

D. 1, 3 and 4 only

**Mathematics**

25 Questions • Answer Key

Q41 Mathematics

Find the sum of 8 exterior angles of a 24-sided regular polygon.

A. 135°

B. 140°

C. 115°

D. 120°

**Q42 Mathematics**

Calculate the simple interest if the principal amount is ₹75,000, the rate is 5%, and the time is 5 years.

A. ₹18,750



B. ₹3750

C. ₹16,870

D. ₹7,850

Q43 Mathematics

A and B together can complete a task in 10 days, B and C in 12 days and A and C in 15 days. How long will A, B and C take to complete the task working together?

A. 7 days

B. 8 days



C. 10 days

D. 9 days

Q44 Mathematics

A family's monthly income increased by 15%. They increased their monthly expenditure on food by 10% and on rent by 20%. If their initial monthly expenditure on food was ₹12,000 and on rent was ₹8,000, and their initial monthly savings were ₹15,000, what are their new monthly savings? (Assume that there is no other expenditure.)

A. ₹25,000

B. ₹15,000

C. ₹17,450



D. ₹18,650



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Q45 Mathematics

The sum of 6 numbers is 240. Find their average.

- A. 39
- B. 38
- C. 40
- D. 41

**Q46 Mathematics**

Naveena's monthly income is ₹84,000. She spends 25% of his income on house rent, 20% on groceries, 15% on other household expenses, and saves the remaining amount. How much money (in ₹) does she save every month?

- A. 33,600
- B. 32,600
- C. 32,000
- D. 33,000

**Q47 Mathematics**

During a sale, 60% of the goods are sold at a profit of 21%. Of the remaining goods, 40% are sold at a profit of 46%, and the rest are sold at a loss of 29%. If the overall profit is $x\%$, then what is the value of x ?

- A. 3.5
- B. 13
- C. 9.5
- D. 3

**Q48 Mathematics**

If the lateral surface area of a cylinder is 775.8 cm^2 and its height is 24 cm, then find its volume. (Use $\pi = 3.14$ and round off to two decimal places.)

- A. 2016.67 cm^3
- B. 1984.78 cm^3
- C. 1996.63 cm^3
- D. 1962.74 cm^3

**Q49 Mathematics**

When one-third of a number is increased by 55, the result is 83. Find the sum of the digits of the original number.

- A. 12
- B. 9
- C. 14
- D. 13

**Q50 Mathematics**

What sum of money (in ₹) will yield ₹720 as simple interest in 2 years at 6% per annum?

- A. 6400
- B. 6000
- C. 5500
- D. 6200

**Q51 Mathematics**

A shopkeeper lists the price of a fan at 36% above its cost price and offers a 25% discount on its list price. If he earns a profit of ₹134, then what is the list price (in ₹) of the fan?

- A. 8,987
- B. 9,112
- C. 8,851
- D. 9,135

**Q52 Mathematics**

A 200 m long train passes a man standing on a platform in 10 seconds. How long will it take to cross another 350 m long train running at 60 km/h in the opposite direction?

- A. 12 seconds
- B. 15 seconds
- C. 16 seconds
- D. 14 seconds

**Q53 Mathematics**

If the median and the mode are given as 65 and 60, respectively, find the mean.

- A. 68
- B. 70
- C. 62.5
- D. 67.5

**Q54 Mathematics**

A and B can complete a work in 12 days and 8 days, respectively. They started doing the work together but after 2 days, B had to leave, and A completed the remaining work alone. The whole work was completed in _____ days.

- A. 9
- B. 7
- C. 10
- D. 8



Q55 Mathematics

Find the fourth proportional to 3.5, 7.5, and 6.3.

- A. 12.5
- B. 11.5
- C. 14.5
- D. 13.5

**Q56 Mathematics**

If 6 machines produce 120 items in 8 hours, how many items can 9 machines produce in 4 hours at the same rate?

- A. 60
- B. 80
- C. 120
- D. 90

**Q57 Mathematics**

The sum of the present ages of Lokesh and Taresh is 24 years. After 2 years, Lokesh's age will be three times that of Taresh. Lokesh's present age (in years) is:

- A. 19
- B. 12
- C. 22
- D. 17

**Q58 Mathematics**

Six cubes each of side 4 cm, are placed adjacent to each other. Find the volume of the cuboid so formed.

- A. 64 cm³
- B. 512 cm³
- C. 256 cm³
- D. 384 cm³

**Q59 Mathematics**

Kirti starts a business with ₹27,000 and after 7 months, Vaishnavi joins Kirti as her partner. After a year, the profit is divided in the ratio 8 : 9. What is Vaishnavi's contribution in the capital?

- A. ₹72,750
- B. ₹73,360
- C. ₹72,900
- D. ₹72,875

**Q60 Mathematics**

The sum of the prime factors of 84 is:

- A. 14
- B. 18
- C. 12
- D. 15

**Q61 Mathematics**

Simplify: $\frac{\sqrt{16x^4 - 72x^2y^2 + 81y^4}}{\sqrt{4x^2 - 12xy + 9y^2}} - (2x - 3y)$, given that $2x > 3y$.

- A. $4x^2$
- B. $6y^2$
- C. $4x$
- D. $6y$

**Q62 Mathematics**

Simplify: $\frac{[5 \text{ of } (2 + 4)] - \{6^2 \div 3\} + 2}{3 \text{ of } (5 - 2) \div 9}$

- A. 16
- B. 20
- C. 22
- D. 18



Q63 Mathematics**Simplify:**

$$[(120 - 24 \div (4 + 2)) \times 2 - (50 \div 5 + 6)] + [(18 + 12 \times 2 - 8) - (9 \div 3 + 5)]$$

A. 262

B. 242 

C. 252

D. 232

Q64 Mathematics

In ΔPQR , $\angle Q = 90^\circ$. If $\tan R = \frac{1}{3}$,

then the value of $1 + \frac{\sec P (3 \cos R - \sin P)}{\operatorname{cosec} R (4 \sin R - \cos P)}$ is:

A. 5

B. 6

C. 3 

D. 7

Q65 Mathematics**Simplify:**

$$\frac{2}{5} \text{ of } \left(\left(\frac{3}{4} \div 0.25 \right) + \frac{1}{2} \right) - \frac{1}{3}$$

A. $\frac{16}{15}$ B. $\frac{14}{15}$ C. $\frac{17}{15}$ D. $\frac{13}{15}$ **General Intelligence & Reasoning**

25 Questions • Answer Key

Q66 General Intelligence & Reasoning

In a certain code language, 'GODS' is coded as '7642' and 'DIVE' is coded as '1357'. What is the code for 'D' in that language?

A. 3

B. 4

C. 1

D. 7 

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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.)

(5, 18, 24)
(9, 22, 28)

A. (11, 36, 42)

B. (6, 19, 13)

C. (4, 17, 11)

D. (8, 21, 27)

**Q68 General Intelligence & Reasoning**

Refer to the following letter series and answer the question. Counting to be done from left to right.

(Left) M M C R V I K Z J N L U W X W F O Y X F G (Right)
How many such consonants are there, each of which is immediately preceded by a vowel and also immediately followed by a vowel?

A. One

B. None



C. Three

D. Two

Q69 General Intelligence & Reasoning

Dhiraj starts from Point A and drives 11 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 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?

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

A. 3 km to the south

B. 3 km to the east

C. 5 km to the west

D. 3 km to the north

**Q70 General Intelligence & Reasoning**

BIRD is related to CLSG in a certain way based on the English alphabetical order. In the same way, RAIN is related to SDJQ. To which of the given options is STAR related, following the same logic?

A. TWBU



B. UVCU

C. UWCV

D. TWCV

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.

CVT : DXW
OBL : PDO

A. SKP : TLQ

B. DXG : EZK

C. NAU : OCX



D. HZE : IAG

Q72 General Intelligence & Reasoning

Each letter in the word LANDMARK is arranged in alphabetical order. How many letters are there in the English alphabetical order between the letter which is fourth from the left and the one which is second from the right in the new letter cluster thus formed?

A. 4

B. 2



C. 5

D. 3

Q73 General Intelligence & Reasoning

In a certain code language, 'KEPT' is coded as '7523' and 'OKAY' is coded as '4136'. What is the code for 'K' in that language?

A. 3



B. 7

C. 5

D. 1



Q74 General Intelligence & Reasoning

What should come in place of '?' in the given series?

24 35 40 51 56 ?

A. 70

B. 68

C. 69

D. 67

**Q75 General Intelligence & Reasoning**

Natesh starts from point Y and drives 58 km towards East. He then takes a left turn, drives 28 km, turns left and drives 40 km. He then takes a left turn and drives 71 km. He takes a right turn, drives 18 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. 43 km towards north



B. 39 km towards south

C. 41 km towards north

D. 45 km towards west

Q76 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.

CMO : DKP

WKL : XIM

A. DQG : DNH

B. HFC : HDC

C. OIY : PGZ



D. GFR : GDR

Q77 General Intelligence & Reasoning

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

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

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

A. One

B. Two

C. Four

D. Three

**Q78 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 x Q means 'P is the father of Q'

P ÷ Q means 'P is the daughter of Q'

Based on the above, how is H related to G if 'H + S - T x G ÷ P'?

A. Mother's mother

B. Sister

C. Father's sister

D. Father's mother

**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 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. WO - QI

B. YQ - SK

C. TL - NF

D. ME - HA

**Q80 General Intelligence & Reasoning**

All 59 people are standing in a row facing North. Mahesh is 20th from the right end, while Kailash is 14th from the left end. How many people are there between Mahesh and Kailash?

A. 24

B. 23

C. 26

D. 25

**Q81 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 man out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. GHN

B. NOD



C. NOU

D. DEK



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Q82 General Intelligence & Reasoning

Seven people, A, V, C, L, E, K and N, are sitting in a row, facing north. Only four people sit to the left of E. Only four people sit to the right of L. Only one person sits between K and L. V sits to the immediate left of A. C does not sit to the left of N. Who sits third to the right of C?

A. L

B. A

C. K

D. E

Q83 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. XY-AE

B. NO-RS

C. AB-EF

D. JK-NO

Q84 General Intelligence & Reasoning

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

$$3 \div 5 + 16 \times 8 - 8 = ?$$

A. 20

B. 17

C. 21

D. 18

Q85 General Intelligence & Reasoning

Rajdeep ranked 64th from the top and 23rd from the bottom in his class. How many students are there in his class?

A. 87

B. 85

C. 84

D. 86

Q86 General Intelligence & Reasoning

The position(s) of how many letters will remain unchanged if each letter in the word "VISCOMETRY" is arranged in alphabetical order?

A. Two

B. Three

C. One

D. Four

Q87 General Intelligence & Reasoning

Rajat is the brother of Garima. Garima is the sister of Harish. Harish is the father of Jyoti. Jyoti is the wife of Karan. How is Rajat related to Karan?

A. Wife's father's brother

B. Wife's father's father

C. Wife's mother's brother

D. Wife's mother's father

Q88 General Intelligence & Reasoning

Ay, Bk, Cv, Du, Es, Fo and Gw are sitting around a circular table facing the centre. Cv sits to the immediate right of Ay. Du sits third to the left of Ay. Bk is the immediate neighbour of Fo and Cv. Gw is not an immediate neighbour of Du. What is the position of Es with respect to Fo?

A. Immediate right

B. Third to the left

C. Second to the right

D. Immediate left

Q89 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?

$$3 \text{ B } 2 \text{ D } 12 \text{ A } 4 \text{ C } 3 = ?$$

A. 12

B. 8

C. 6

D. 4



Q90 General Intelligence & Reasoning

What should come in place of ? in the given series based on the English alphabetical order?

DGYL XKTQ ROOV LSJA ?

A. EVDE

B. FVDF

C. EWEE

D. FWEF

**General Awareness**

10 Questions • Answer Key

Q91 General Awareness

The NAVYA (Nurturing Aspirations through Vocational Training for Young Adolescent Girls) initiative, launched on 24 June 2025, is for which age group?

A. 16 - 18 years



B. 18 - 20 years

C. 14 - 16 years

D. 12 - 14 years

Q92 General Awareness

Division of legislative subjects into union, state and concurrent List is contained in which of the following schedules of the Constitution of India?

A. Fifth Schedule

B. Eleventh Schedule

C. Seventh Schedule



D. Ninth Schedule

Q93 General Awareness

The Constitution of India provided for how many types of emergencies in Part XVIII, from Articles 352 to 360?

A. Six

B. Three



C. Four

D. Five

Q94 General Awareness

Which country launched the first indigenous, Low-Cost Gene Therapy for Sickle Cell Disease, named "BIRSA 101"?

A. Japan

B. India



C. Spain

D. China

Q95 General Awareness

With reference to fluvial geomorphic processes in the Indian subcontinent, the Indo-Gangetic Plains have been formed predominantly due to the long-term accumulation of which specific type of deposits?

A. Glacial till deposited directly by valley glaciers

B. Aeolian sand deposits formed under arid climatic conditions

C. Alluvial sediments deposited by Himalayan river systems



D. Marine sediments laid down by repeated sea transgressions

Q96 General Awareness

Under the 2018 amendments in Foreign Direct Investment (FDI) policy approved by the Cabinet, the maximum Foreign Direct Investment (FDI) permitted under the automatic route in Single Brand Retail Trading (SBRT) is ____

A. 40%

B. 85%

C. 100%



D. 60%

Q97 General Awareness

Which dance form is performed by men wearing long colorful robes and tall conical caps in Jammu & Kashmir?

A. Chholiya

B. HurkaBaul

C. Hikar

D. Dumhal



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Q98 General Awareness

Under the new scheme for first-time Women, SC and ST entrepreneurs, announced in the Union Budget 2025-26, what is the **maximum loan amount** that can be availed?

A. ₹50 lakh

B. ₹2 crore



C. ₹5 crore

D. ₹1 crore

Q99 General Awareness

At which session of the Indian National Congress did the party formally split into the Moderates and the Extremists?

A. Calcutta session 1906

B. Surat session 1907



C. Bombay session 1910

D. Delhi session 1912

Q100 General Awareness

Which bank joins the India Bullion Exchange as a special category client?

A. Punjab National Bank

B. Bank of India

C. State Bank of India



D. Indian Bank



General Science

40 Questions • Answer Key

Q1 General Science

A wire carrying current is placed between the poles of a magnet. It experiences maximum force when it ____.

- A. is outside the magnetic field
- B. is parallel to the magnetic field
- C. is at 45° to the magnetic field
- D. is perpendicular to the magnetic field ✓

Q2 General Science

Metals in the middle of the activity series, such as iron and zinc, are generally extracted by:

- A. Displacement from aqueous solution
- B. Heating alone without any reducing agent
- C. Reduction of their oxides with carbon or carbon monoxide ✓
- D. Electrolysis of molten salts

Q3 General Science

The main reason for twinkling of stars is _____.

- A. Scattering of star light
- B. Atmospheric refraction varying with time ✓
- C. Nuclear reactions inside stars
- D. Presence of clouds

Q4 General Science

Lysosomes are also known as:

- A. Energy powerhouses
- B. Suicidal bags of the cell ✓
- C. Protein factories
- D. Control centers

Q5 General Science

When several rays parallel to the principal axis fall on a concave mirror, how do the reflected rays behave?

- A. They all meet at a single point on the principal axis. ✓
- B. They are reflected back along the same path.
- C. They spread out and appear to come from behind the mirror.
- D. They travel parallel to the principal axis after reflection.

Q6 General Science

Which of the following epithelial tissues is specialised for absorption and lines the inner surface of the intestine?

- A. Cuboidal epithelium
- B. Columnar epithelium ✓
- C. Stratified epithelium
- D. Ciliated epithelium

Q7 General Science

Which of the following is the product formed when ethene (C_2H_4) reacts with hydrogen (H_2) in the presence of a catalyst nickel?

- A. Propene (C_3H_6)
- B. Ethane (C_2H_6) ✓
- C. Ethyne (C_2H_2)
- D. Propane (C_3H_8)

Q8 General Science

An object travels 16 m in 4 s and then another 16 m in 2 s. What is the average speed of the object?

- A. 5.33 m/s ✓
- B. 8 m/s
- C. 2.67 m/s
- D. 4 m/s

Q9 General Science

In the process of electrolytic refining of copper, which of the following is correctly matched?

- A. Cathode Mud – Pure copper crystals
- B. Cathode – Impure copper
- C. Anode – Pure copper
- D. Electrolyte – Acidified Copper sulphate solution ✓

Q10 General Science

Six resistors of $3\ \Omega$ each are connected in parallel in a circuit. What will be their effective resistance?

- A. $18\ \Omega$
- B. $0.5\ \Omega$ ✓
- C. $3\ \Omega$
- D. $2\ \Omega$



Q11 General Science

Isotopes are atoms of the same element that have:

- A. different chemical properties
- B. the same mass number but different atomic numbers
- C. different number of protons
- D. the same atomic number but different mass numbers ✓

Q12 General Science

Read the given assertion and reason and select the correct option based on the analysis of these statements.

Assertion: Stethoscope uses the concept of multiple reflection of sound waves for its working.

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

- A. Both assertion and reason are true and the reason is not the correct explanation of the assertion. ✓
- B. Assertion is false and reason is true.
- C. Assertion is true but reason is false.
- D. Both assertion and reason are true and the reason is the correct explanation of the assertion.

Q13 General Science

Crossbreeding in cattle is done to achieve _____.

- A. Excessive draught power
- B. Only higher milk fat content
- C. Reduced milk production
- D. Longer lactation and disease resistance ✓

Q14 General Science

What is the importance of sexual reproduction in creating variation in plant populations?

- A. It copies DNA without any changes.
- B. It mixes DNA from two parents to create new variations. ✓
- C. It speeds up DNA copying errors.
- D. It prevents any variations from occurring.

Q15 General Science

What is the main difference between isobars and isotopes?

- A. Isobars have the same mass number but different atomic numbers ✓
- B. Isobars are atoms of the same element; isotopes are of different elements
- C. Isobars have the same atomic number; isotopes have different atomic numbers
- D. Isobars have the same number of electrons; isotopes do not

Q16 General Science

In a prism, the emergent ray comes out at an angle different from the incident ray. What is this angle called?

- A. Angle of incidence
- B. Angle of the prism
- C. Angle of reflection
- D. Angle of deviation ✓

Q17 General Science

Choose a term to complete the analogy.

Columnar Epithelium : Absorption :: Cuboidal Epithelium :

- A. Mechanical support ✓
- B. Forming a delicate lining
- C. Pushing mucus
- D. Preventing wear and tear

Q18 General Science

An object's mass remains constant everywhere (on the Earth or the Moon), whereas its weight changes because _____.

- A. Weight is a scalar quantity, while mass is vector
- B. Weight depends on the local value of g , which varies with location ✓
- C. The SI unit of weight is Newtons, while mass is kilograms
- D. Mass is dependent on inertia, but weight is not



Q19 General Science

A body travelling in a straight line with a constant velocity of 50 m/s. What is the displacement of the car in 10 sec and the type of motion followed by the car, respectively?

- A. 500 m and Non-Uniform Motion
- B. 5 m and Non-Uniform Motion
- C. 5 m and Uniform Motion
- D. 500 m and Uniform Motion

**Q20 General Science**

A bus moves from one end A to the other end B of a straight 1000 m road in 100 s and then turns around and moves 500 m back to point C in another 100 s. What will be the average velocity (in m/s) and the type of motion of the bus in going from point A to point C?

- A. 0.4 m/s and Non-Uniform Motion
- B. 2.5 m/s and Non-Uniform Motion
- C. 2.5 m/s and Uniform Motion
- D. 0.4 m/s and Uniform Motion

**Q21 General Science**

Which of the following is the best method to prevent corrosion of iron in coastal areas?

- A. Immersing in cold water
- B. Heating the iron periodically
- C. Painting with oil-based paints
- D. Galvanisation

**Q22 General Science**

The compound with molecular formula C_2H_4O can belong to which of the following functional group, and what is its IUPAC name?

- A. Ether, ethane
- B. Alcohol, ethanol
- C. Aldehyde, ethanol
- D. Aldehyde, ethanal

**Q23 General Science**

Which of the following statements is/are correct regarding Rutherford's model of the atom?

Statement 1: The atom has a positively charged dense nucleus at its centre.

Statement 2: Electrons revolve in circular orbits around the nucleus without losing energy.

Statement 3: Most of the space inside the atom is empty.

- A. Only 2 and 3
- B. Only 1 and 2
- C. Only 1, 2 and 3
- D. Only 1 and 3

**Q24 General Science**

The SI unit of force (F) is _____.

- A. $kg\ m/s^2$
- B. N m
- C. Joule
- D. $kg\ m/s$

**Q25 General Science**

What will be the pH of a 0.01 M HCl solution?

- A. 12
- B. 18
- C. 2
- D. 8

**Q26 General Science**

A body undergoes a displacement of 50 m under the action of a constant force of 5 N in the same direction as that of the force. What will be the work done under the action of this force?

- A. - 25 J
- B. - 250 J
- C. + 250 J
- D. + 25 J



Q27 General Science

Which of the following statements correctly differentiates a compound from a mixture?

- A. Compounds retain the properties of their constituents.
- B. Mixtures can be separated by physical means, but compounds cannot. ✓
- C. Mixtures are formed through chemical reactions.
- D. Compounds show variable composition, mixtures do not.

Q28 General Science

An object moving at 25 m/s is brought to rest in 5 seconds. The final velocity is _____.

- A. 25 m/s
- B. 0 m/s ✓
- C. 20 m/s
- D. 5 m/s

Q29 General Science

Which of the following best describes the primary function of nervous tissue?

- A. Absorption of nutrients
- B. Providing support and binding
- C. Transmission of electrical impulses ✓
- D. Contraction for movement

Q30 General Science

When sound propagates through air, the region of high pressure created by the vibrating object pushing air forward is called a _____.

- A. Transverse wave
- B. Rarefaction (R)
- C. Medium boundary
- D. Compression (C) ✓

Q31 General Science

How long does an unfertilised egg survive after being released from the ovary?

- A. One month
- B. Two hours
- C. One week
- D. About one day ✓

Q32 General Science

What are the two main categories of factors responsible for storage losses in agricultural produce?

- A. Harvesting and Processing
- B. Biotic and Abiotic ✓
- C. Chemical and Electrical
- D. Mechanical and Thermal

Q33 General Science

Which group of organisms is responsible for breaking down dead bodies and waste into simpler substances that return to the soil?

- A. Decomposers ✓
- B. Consumers
- C. Parasite only
- D. Producers

Q34 General Science

Refer to the two statements given below and choose the CORRECT option.

Statement A: Nervous tissue is responsible for rapid transmission of electrical impulses in the body.

Statement B: Nervous tissue mainly provides structural and mechanical support to organs.

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

Q35 General Science

Which of the following describes a key function of lysosomal enzymes?

- A. Storing genetic material
- B. Breaking down proteins, lipids, and carbohydrates ✓
- C. Transporting molecules across the membrane
- D. Creating new proteins for the cell



Q36 General Science

Implantation of developing embryo occurs in which part of the female reproductive system in human beings?

- A. Fallopian tubes
- B. Ovary
- C. Cervix
- D. Lining of the uterus

**Q37 General Science**

If a sample of air is compressed to half its volume, which of the following statements is correct?

- A. The proportion of gases changes.
- B. Air becomes a compound on compression.
- C. The composition of air remains same because it is a mixture.
- D. The composition of air changes.

**Q38 General Science**

Which of the following is a ring compound with the molecular formula C_6H_{12} ?

- A. Butane
- B. Cyclohexane
- C. Hexane
- D. Benzene

**Q39 General Science**

Which of the following best distinguishes a food web from a food chain?

- A. A food web allows backward energy flow; a food chain is unidirectional
- B. A food chain always has decomposers; a food web does not
- C. A food web shows multiple trophic levels; a food chain shows one level
- D. A food web transfers all energy; a food chain loses energy

**Q40 General Science**

The molecular mass of a compound is '60'. If it contains 40% carbon, 6.7% hydrogen, and 53.3% oxygen, what is the molecular formula?

- A. $C_2H_4O_2$
- B. CH_2O
- C. $C_4H_8O_4$
- D. $C_3H_6O_3$

**Mathematics**

25 Questions • Answer Key

Q41 Mathematics

Two numbers are in the ratio of 4 : 9. If their sum is 26, then find the mean proportional between them.

- A. 12
- B. 11
- C. 10
- D. 14

**Q42 Mathematics**

How many positive integers less than 30 are co-prime to 30?

- A. 6
- B. 7
- C. 8
- D. 5

**Q43 Mathematics**

What sum of money (in ₹) will yield ₹740 as simple interest in 2 years at 5% per annum?

- A. 7800
- B. 6900
- C. 7400
- D. 7600

**Q44 Mathematics**

A car travels 120 km at an unknown speed x km/h and then returns at $(x + 20)$ km/h. The average speed for the whole journey is 60 km/h. Find the value of x . (Round to one decimal place.)

- A. 52.4
- B. 54.5
- C. 50.2
- D. 51.6



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Q45 Mathematics

A shopkeeper sold a book at a loss of 7%. If the selling price had been increased by ₹120, there would have been a gain of 17%. What was the cost price (in ₹) of the book?

A. 505

B. 510

C. 495

D. 500

**Q46 Mathematics**

The difference between the ages of Sakshi and Priya is 37 years. Five years ago from now, the sum of their ages was 95 years. If Sakshi is older than Priya, find Priya's present age (in years).

A. 24

B. 28

C. 43

D. 34

**Q47 Mathematics**

The value of $11^3 - 8^3$ is:

A. 806

B. 819

C. 759

D. 866

**Q48 Mathematics**

What is the mode of the following data?

40, 53, 47, 55, 42, 46, 50, 42, 54, 49, 40, 54, 43, 40, 44, 55, 49, 53

A. 53

B. 55

C. 40

D. 49

**Q49 Mathematics**

One pipe can fill the tank in 18 min, while another pipe can empty the completely filled tank in 72 min. If both the pipes are operated together on empty tank, how long (in min) will it take to fill two-third of the tank?

A. 48

B. 64

C. 16

D. 32

**Q50 Mathematics**

A dealer buys two articles X and Y for ₹1,200 each. He marks each of them at the same price. He sells X by giving two successive discounts of 80% and 44% and still earns ₹172 as profit. If he sells Y at a single discount of 88%, then what is the profit percentage on Y?

A. 22.5%

B. 21%

C. 21.5%

D. 22%

**Q51 Mathematics**

A sum of money amounts to ₹52,020 in 6 months at the rate of 8% per annum when the interest is compounded quarterly. Find the sum.

A. ₹51,000

B. ₹48,000

C. ₹49,000

D. ₹50,000

**Q52 Mathematics**

Which of the following numbers is not divisible by both 94 and 68?

A. 9588

B. 6392

C. 3196

D. 7990

**Q53 Mathematics**

The mean of a data is 41 and its median is 98. The mode (using empirical relation) of the data is:

A. 128

B. 212

C. 209

D. 240



Q54 Mathematics

The difference between the ages of Anuja and Mahima is 42 years. Five years ago from now, the sum of their ages was 98 years. If Anuja is older than Mahima, find Mahima's present age (in years).

A. 27

B. 28

C. 33



D. 29

Q55 Mathematics

A person gave 40% of his income to his wife to look after household expenditure. He gave 20% of the remaining amount to each of his two sons and one daughter. One - third of the amount now left was spent on miscellaneous items and the remaining amount ₹14,400 was deposited in the bank. Find his income.

A. ₹1,00,000

B. ₹96,000

C. ₹1,10,000

D. ₹90,000

**Q56 Mathematics**

In a test, B got 50 marks while A got 80 marks out of 110 maximum marks. What percentage of A's marks were B's marks?

A. 62.5%



B. 110%

C. 72.73%

D. 160%

Q57 Mathematics

Which of the following numbers is divisible by 11?

A. 513589

B. 502589

C. 512579

D. 502579

**Q58 Mathematics**

Karan and Arjun start a business. Karan invests ₹15,000 more than Arjun. Karan invests for 3 months, and Arjun invests for 4 months. At the end of the business, the total profit is ₹6,060, and Karan's share is ₹2,020 more than Arjun's share. Find the capital contributed by Karan.

A. ₹23,885

B. ₹24,087

C. ₹24,000



D. ₹24,093

Q59 Mathematics

Three inlet pipes A, B, and C can fill a tank in 8 hours, 12 hours, and 24 hours, respectively. First, pipe A is opened alone for 1 hour. Then pipe B is opened, and both A and B run together for the next 2 hours. After that, pipe C is also opened, and all three pipes run together until the tank is full. How much total time, from the start, will it take to fill the tank?

A. 4 hour 20 minutes

B. 4 hour 40 minutes

C. 4 hour 30 minutes

D. 4 hour 50 minutes

**Q60 Mathematics**

If the length of the side of an equilateral triangle is 8 cm, find its area. (Use $\sqrt{3} = 1.732$).

A. 28.612 sq.cm.

B. 24.812 sq.cm.

C. 26.812 sq.cm.

D. 27.712 sq.cm.



Q61 Mathematics

The sum of the length, breadth and height of a cuboid is p cm and its diagonal is q cm. Find its total surface area (in cm^2).

A. $(p - q)^2$

B. $p^2 + q^2$

C. $\frac{p^2 - q^2}{2}$

D. $p^2 - q^2$ ✓

Q62 Mathematics

If $a = 0.1125$, then find the value of $100[\sqrt{1 + 2(3a) + 9a^2} - 4a]$.

A. 85.57

B. 87.57

C. 87.75

D. 88.75 ✓

Q63 Mathematics

Simplify: $\left(\frac{15}{24} \div \frac{15}{2}\right) \div \left(\frac{1}{8} \times \frac{16}{3} + \frac{1}{8}\right) + \frac{2}{11} \div \frac{19}{23}$ of $\frac{23}{11}$

A. $\frac{7}{18}$

B. $-\frac{4}{24}$

C. $-\frac{5}{23}$ ✓

D. $\frac{4}{19}$

Q64 Mathematics

If $\frac{\sin\theta + \cos\theta}{\sin\theta - \cos\theta} = 11$, then the value of $\frac{25 \tan^2\theta - 3}{36 \cot^2\theta + 2} - 1$ is: $\frac{2}{9} \frac{7}{9} \frac{7}{9}$

A. $\frac{11}{9}$

B. $\frac{2}{9}$ ✓

C. 1

D. $\frac{7}{9}$



Q65 Mathematics

The curved surface area of a right circular cylinder is 1056 cm^2 and its height is 16 cm. Find the total surface area of the cylinder.

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

A. 1749 cm²



B. 1479 cm²

C. 1974 cm²

D. 1794 cm²

General Intelligence & Reasoning

25 Questions • Answer Key

Q66 General Intelligence & Reasoning

In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. 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.)

32, 192

41, 246

A. 35, 210



B. 38, 226

C. 43, 254

D. 44, 364

Q67 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'
 $A \times B$ means 'A is the wife of B'
 $A \div B$ means 'A is the father of B'

Based on the above, how is M related to R if ' $M - K + L \div P \times R$ '?

A. Wife's brother

B. Wife's father's father

C. Wife's father

D. Wife's father's brother

**Q68 General Intelligence & Reasoning**

In a certain code language,
 $A \# B$ means 'A is the sister of B',
 $A + B$ means 'A is the son of B',
 $A \div B$ means 'A is the wife of B',
and $A @ B$ means 'A is the father of B'.

How is A related to T if ' $A + B \# H @ K \div T$ '?

A. Wife's brother

B. Wife's father

C. Wife's father's sister's husband

D. Wife's father's sister's son

**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.)

(6, 18, 14)

(8, 20, 16)

A. (9, 21, 25)

B. (14, 26, 30)

C. (12, 28, 24)

D. (13, 25, 21)



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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.)

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

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

A. Three



B. One

C. Two

D. Four

Q71 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 # B' means 'A is the wife of B' and

'A ÷ B' means 'A is the father of B'.

How is Q related to H if 'Q # W + R ÷ G @ H'?

A. Brother's wife



B. Wife

C. Daughter

D. Brother's daughter

Q72 General Intelligence & Reasoning

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

$$4 \div 2 + 12 \times 4 - 3 = ?$$

A. 4

B. 9

C. 6

D. 8

**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?

$$57 D 34 C 90 A 18 B 6 = ?$$

A. 53



B. 54

C. 57

D. 55

Q74 General Intelligence & Reasoning

In a certain code language, 'SNOW' is coded as '1732' and 'KNOW' is coded as '5317'. What is the code for 'K' in that language?

A. 7

B. 5



C. 1

D. 2

Q75 General Intelligence & Reasoning

Seven boxes, B, F, G, H, R, T and Y, kept one over the other, but not necessarily in the same order.

R is kept immediately above H. G is kept immediately above T.

Only one box is kept between H and T. T is kept above R.

Only one box is kept below Y. G or B are not kept at the top.

How many boxes are kept above T?

A. 4

B. 2



C. 3

D. 1

Q76 General Intelligence & Reasoning

Each vowel in the word AMBLERS is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. How many letters will appear exactly twice in the new group of letters thus formed?

A. Zero



B. Two

C. Three

D. One

Q77 General Intelligence & Reasoning

What should come in place of ? in the given series based on the English alphabetical order?

SJT HYI WNX LCM ?

A. ABS

B. ARB



C. ABR

D. ASD



Q78 General Intelligence & Reasoning

S is the daughter of E. E is the wife of L. N is the mother of K. N is the sister of L. How is S related to K?

- A. Brother's wife
- B. Mother's brother's wife
- C. Brother's daughter
- D. Mother's brother's daughter ✓

Q79 General Intelligence & Reasoning

Seven people, C, D, E, F, J, K and L, are sitting in a row, facing north. Only three people sit between D and J. L sits to the immediate left of J. No one sits to the right of K. Only two people sit between K and L. C sits to the immediate right of E.

How many people sit between F and C?

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

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. MG - NH
- B. JD - LE ✓
- C. HB - IC
- D. QK - RL

Q81 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 one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- A. JM - NQ
- B. MP - RT ✓
- C. PS - TW
- D. QT - UX

Q82 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.

HDF-DZB

GCE-CYA

- A. UQS-PMN
- B. UPQ-QMO
- C. UQS-QMO ✓
- D. UPQ-PLN

Q83 General Intelligence & Reasoning

Each vowel in the word THALERS is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. How many letters will appear exactly twice in the group of letters thus formed?

- A. 0 ✓
- B. 1
- C. 2
- D. 3

Q84 General Intelligence & Reasoning

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

(Left) E Z J K A R T S W H M F U C N P D K I E N O A K
(Right)

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

- A. 3
- B. 1
- C. 2 ✓
- D. 4

Q85 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.

POK-GFB

FEA-WVR

- A. WUP-NMI
- B. WUP-MLH
- C. WVR-MMH
- D. WVR-NMI ✓



Q86 General Intelligence & Reasoning

In a certain code language, 'PICK' is coded as '2384' and 'SKIP' is coded as '4638'. What is the code for 'S' in that language?

A. 6



B. 3

C. 8

D. 2

Q87 General Intelligence & Reasoning

Seven people H, I, J, K, L, M, and N are sitting in a row facing the north. Only two people are seated to the left of L. Only three people are seated between L and H. I is seated second to the right of J. I is not an immediate neighbour of H. K is seated to the immediate right of M. Who is seated at the extreme left end of the row?

A. K

B. J

C. N



D. H

Q88 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. RKL



B. UXV

C. SVT

D. PSQ

Q89 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 that follows the same logic.

MATH – AMTH – AHTM

MELT – EMLT – ETLM

A. COLD – OCLD – ODL C



B. LEAD – ALDE – ADLE

C. TEAM – AEMT – TEAM

D. HART – RTAH – AHRT

Q90 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. E is kept fifth from the bottom. C is kept fifth from the top. Only one box is kept between D and C. F is kept immediately below B. A is not kept below G. How many boxes are kept between G and A?

A. Three

B. None

C. Two

D. One

**General Awareness**

10 Questions • Answer Key

Q91 General Awareness

In September 2025, the Supreme Court of India reaffirmed which important legal position under the Scheduled Castes and the Scheduled Tribes (Prevention of Atrocities) Act, 1989?

A. The grant of anticipatory bail is absolutely barred if the FIR prima facie discloses an offence under the Act



B. The anticipatory bail provision has been removed from the Indian Penal Code

C. The anticipatory bail may be granted only by the High Court

D. The accused can apply for anticipatory bail under all circumstances

Q92 General Awareness

Who among the following made a significant contribution to Bharatanatyam as a performer, teacher, composer and scholar and was awarded Padma Bhushan in 2011?

A. C. V. Chandrashekhar



B. Vempati Chinna Satyam

C. Kalamandalam Gopi

D. Guru Bipin Singh



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Q93 General Awareness

Who among the following were the pivotal leaders of the Santhal Rebellion of 1855–1856?

- A. Tilka Manjhi and Sido Kanhu
- B. Sidhu Murmu and Kanhu Murmu ✓
- C. Lalu Prasad and Sidhu Kanhu
- D. Birsa Munda and Raghunath Murmu

Q94 General Awareness

In which country is the military exercise ZAPAD 2025 conducted from 10 to 16 September 2025?

- A. France
- B. Japan
- C. Germany
- D. Russia ✓

Q95 General Awareness

In which year did India sign the World Trade Organization (WTO) Agreement and become a founding member of WTO?

- A. 1995 ✓
- B. 1991
- C. 1993
- D. 1997

Q96 General Awareness

The National Sports Governance Bill, 2025, was introduced to achieve which of the following objective?

- A. To launch a national-level talent hunt program
- B. To improve physical and sports education in schools
- C. To increase budget allocation for Olympic sports
- D. To establish rules for recognizing and regulating sports bodies ✓

Q97 General Awareness

The term 'Armed Rebellion' was introduced under Article 352 of the Indian Constitution for the proclamation of a National Emergency by which Constitutional Amendment?

- A. 42nd Constitutional Amendment Act, 1976
- B. 61st Constitutional Amendment Act, 1988
- C. 86th Constitutional Amendment Act, 2002
- D. 44th Constitutional Amendment Act, 1978 ✓

Q98 General Awareness

"To provide opportunities for education to his child or ward between the ages of six and fourteen years" was added to the Indian Constitution as the 11th Fundamental Duty through which of the following amendments?

- A. 42nd Constitutional Amendment Act, 1976
- B. 61st Constitutional Amendment Act, 1988
- C. 44th Constitutional Amendment Act, 1978
- D. 86th Constitutional Amendment Act, 2002 ✓

Q99 General Awareness

In which Indian state do the Western Ghats reach their maximum elevation, marked by the presence of Anaimudi, the highest peak of the range?

- A. Maharashtra
- B. Karnataka
- C. Tamil Nadu
- D. Kerala ✓

Q100 General Awareness

During October 2025, what first-ever scientific observation was made by ISRO's Chandrayaan-2 orbiter?

- A. The detection of volcanic activity occurring beneath the lunar crust
- B. The presence of subsurface water deposits under the lunar surface
- C. The effects of Coronal Mass Ejections from the Sun on the Moon ✓
- D. The discovery of a newly identified mineral present on the Moon



General Science

40 Questions • Answer Key

Q1 General Science

Which of the following combinations best explains why waste generation has become a major environmental issue in modern societies?

- A. Reduced use of packaging materials and enhanced recycling
- B. Increased use of biodegradable materials and better disposal habits
- C. Improved lifestyles leading to more disposable and non-biodegradable materials ✓
- D. Government regulations that limit the collection of biodegradable waste and its recycling

Q2 General Science

Which of the following tissues is responsible for limb and body movement?

- A. Smooth muscle
- B. Epithelial tissue
- C. Cardiac muscle
- D. Skeletal muscle ✓

Q3 General Science

Which of the following statements is/are true regarding the speed of sound?

- (i) The speed of sound decreases with an increase in the temperature of the medium.
- (ii) The speed of sound in solid state is greater than the speed of sound in gaseous state under the same external conditions.
- (iii) The speed of sound is independent of the properties of the medium through which it travels.

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

Q4 General Science

The deeply folded inner membrane of mitochondria helps to increase the _____ for ATP generation.

- A. Colour
- B. Surface area ✓
- C. Cell wall thickness
- D. Volume

Q5 General Science

How much work is required to move a charge of 3 C between two points that have a potential difference of 15 V?

- A. 21 J
- B. 14 J
- C. 5 J
- D. 45 J ✓

Q6 General Science

Why is vegetative propagation useful for agriculture purposes?

- A. It prevents diseases naturally
- B. It produces identical plants rapidly ✓
- C. It requires seeds for every generation
- D. It increases genetic variation

Q7 General Science

Choose a term to complete the analogy.

Chlorenchyma : Photosynthesis :: Aerenchyma :

- A. Mechanical strength
- B. Water absorption
- C. Buoyancy ✓
- D. Food storage

Q8 General Science

Which of the following pairs are isotopes?

- A. ^1H and ^2H ✓
- B. ^{40}Ca and ^{40}Ar
- C. ^{16}O and ^{16}F
- D. ^{12}C and ^{14}N



Q9 General Science

Which of the following correctly differentiates ligament from tendon in human connective tissue?

- A. Ligament connects muscle to bone, while tendon connects bone to bone
- B. Both ligament and tendon connect bones to bones but differ in color
- C. Tendon is elastic, while ligament is completely non-elastic
- D. Ligament connects bone to bone; tendon connects muscle to bone ✓

Q10 General Science

What is the concentration of H^+ ions in pure water at $25^\circ C$?

- A. $1 \times 10^{-5} M$
- B. $1 \times 10^{-4} M$
- C. $1 \times 10^{-1} M$
- D. $1 \times 10^{-7} M$ ✓

Q11 General Science

An object has a mass of 12 kg and moves with a constant speed of 8 m/s. How much kinetic energy does it have?

- A. 256 J
- B. 768 J
- C. 384 J ✓
- D. 512 J

Q12 General Science

Which of the following pairs of compounds contain the same total number of atoms per molecule?

- A. C_2H_6O and PCl_3
- B. H_2SO_4 and N_2O_5 ✓
- C. NH_3 and CH_4
- D. CO_2 and H_2O_2

Q13 General Science

The far point of a myopic person is 80 cm in front of the eye. Assuming the far point for normal vision is infinity, what is the required power (P) of the corrective lens?

- A. +1.25 D
- B. +0.80 D
- C. -0.80 D
- D. -1.25 D ✓

Q14 General Science

Which of the following correctly represents the unit mass of a molecule of water (H_2O)?

- A. 20 u
- B. 10 u
- C. 16 u
- D. 18 u ✓

Q15 General Science

Which of the following is NOT explained by the Universal Law of Gravitation?

- A. Formation of tides
- B. Falling of apples from a tree
- C. Resistance offered by air to a moving object ✓
- D. Weight of objects on Earth

Q16 General Science

A constant force of 21 N moves a body through 3 m in its own direction. Work done is ____.

- A. 63 J ✓
- B. 18 J
- C. 24 J
- D. 7 J

Q17 General Science

Two resistors of 5Ω and 15Ω are connected in series to a battery of 10 V. How much will flow through the circuit?

- A. 2 A
- B. 0.5 A ✓
- C. 0.4 A
- D. 200 A



Q18 General Science

Match the elements in Column I with their correct electron distribution in Column II according to the Bohr–Bury rules.

Element	Electron Distribution
A. Sodium (Na)	1. 2, 8, 2
B. Magnesium (Mg)	2. 2, 8, 1
C. Aluminium (Al)	3. 2, 8, 3
D. Calcium (Ca)	4. 2, 8, 8, 2

A. A–2, B–1, C–3, D–4



B. A–2, B–3, C–4, D–1

C. A–1, B–3, C–2, D–4

D. A–2, B–3, C–1, D–4

Q19 General Science

What causes only the animal cell to burst when both plant and animal cells are placed in pure water?

A. Osmosis occurs only in animal cells.

B. Animal cells have a thicker membrane.

C. Plant cells have a rigid cell wall.



D. Plant cells can actively pump out water.

Q20 General Science

A scientist observed that an iron railing near the sea corroded faster than the same type of railing in a dry city. What could the main reason be?

A. The sea air is more humid, diluting the rusting process.

B. Sea air contains salt and moisture, which accelerates rusting.



C. The city air has less oxygen, preventing rust.

D. The iron near the sea is exposed to more sunlight.

Q21 General Science

Which of the following correctly represents a diatomic element?

A. H

B. He

C. H₂



D. CO

Q22 General Science

After fertilisation in humans, where does the growth and development of the embryo mainly occur?

A. Ovary

B. Uterus



C. Vagina

D. Fallopian tube

Q23 General Science

Which of the following is correct for substitution reaction?

A. A reaction where two compounds combine to form one.

B. A reaction where atoms or groups in a molecule are replaced by another atom or group.



C. A reaction where a compound breaks down into simpler substances.

D. A reaction where hydrogen is added to a compound.

Q24 General Science

Why is electrolysis used for the extraction of metals high up in the reactivity series, such as sodium and aluminum?

A. Because these metals form volatile oxides

B. Because these metals have low melting points

C. Because these metals exist in native state

D. Because these metals cannot be reduced by carbon or hydrogen

**Q25 General Science**

Which of the following isotopes is used in the treatment of cancer?

A. Isotope of cobalt



B. Isotope of carbon

C. Isotope of uranium

D. Isotope of iodine

Q26 General Science

A farmer walks along the boundary of a square field with side 11 m, completing one round in 20 seconds. After walking for 3 minutes and 20 seconds, what is the magnitude of the displacement from his starting point?

A. 15.56 m

B. 22 m

C. 0 m



D. 11 m



Q27 General Science

A wire has a resistance of $10\ \Omega$. If it is stretched to three times its original length (volume remaining constant), its new resistance will be _____.

A. $30\ \Omega$

B. $90\ \Omega$ ✓

C. $3.33\ \Omega$

D. $10\ \Omega$

Q28 General Science

Which characteristic best describes parenchyma?

A. Cells arranged in a single layer with guarding function.

B. Living cells with thin walls, capable of division in young tissues. ✓

C. Rigid cells that withstand bending.

D. Dead at maturity with thick secondary walls.

Q29 General Science

The principal focus of a concave mirror is:

A. The center of curvature of the mirror

B. The pole of the mirror

C. The point where rays parallel to the principal axis converge after reflection ✓

D. A point on the mirror where all rays meet

Q30 General Science

Why is regular and controlled irrigation important for crop production?

A. It reduces fertilizer use by supplying nutrients through water.

B. It increases soil salinity and prevents root growth.

C. It ensures optimal water supply at critical growth stages. ✓

D. It makes plants dependent on artificial watering.

Q31 General Science

The motion of an athlete running along a circular path with constant speed is an example of accelerated motion because _____.

A. The athlete's speed is increasing

B. The mass of the athlete is constant

C. The direction of motion changes continuously ✓

D. A constant external force is applied

Q32 General Science

If the speed of light in a medium is $2.25 \times 10^8\ \text{m/s}$, its refractive index is _____.

A. 1.75

B. 1.50

C. 1.33 ✓

D. 0.75

Q33 General Science

Which of the following statements is true with respect to the reaction of a metal 'A' with metal 'B' of its solution, in which metal 'A' displaces metal 'B'?

A. Both 'A' and 'B' have the same reactivity.

B. The reaction cannot take place at all.

C. 'B' is more reactive than 'A'.

D. 'A' is more reactive than 'B'. ✓

Q34 General Science

Which of the following is NOT a factor responsible for grain storage losses?

A. High-quality packaging ✓

B. Inadequate moisture and temperature

C. Fungi and bacteria

D. Rodents

Q35 General Science

Which of the following methods is commonly used to extract metals low in the activity series, such as mercury and copper, from their ores?

A. Electrolysis of molten ore

B. Roasting ✓

C. Reduction with aluminium powder

D. Displacement by carbon monoxide gas

Q36 General Science

An object with a mass of 15 kg is placed 8 m above the ground. How much potential energy does the object have? (Using $g = 9.8\ \text{m/s}^2$)

A. 784 J

B. 1176 J ✓

C. 980 J

D. 1500 J



Q37 General Science

Which condition is required for methane to undergo a substitution reaction with chlorine?

- A. Heat
- B. Sunlight
- C. Acidic medium
- D. Electric current

Q38 General Science

Which of the following statements best explains the functional advantage of the pollen tube formation in the process of fertilisation in flowering plants?

- A. It allows the pollen grain to attach firmly to the stigma for self-pollination to occur efficiently
- B. It helps the pollen grain to release its stored nutrients for the ovule to develop into a seed
- C. It enables the ovary to release egg cells toward the pollen grain for fusion to take place
- D. It ensures direct transfer of the male germ-cell to the ovary, preventing wastage of pollen grains

Q39 General Science

How much energy will be available to the tertiary consumer if a food chain begins with 5000 J of energy at the producer level?

- A. 5 J
- B. 500 J
- C. 50 J
- D. 0.5 J

Q40 General Science

Which of the following is the best example of uniform circular motion?

- A. Moon revolving around the Earth in a circular orbit
- B. A yo-yo being swung in a vertical circle at changing speed
- C. A racing car on a curved track slowing down
- D. A roller coaster on a loop

Mathematics

25 Questions • Answer Key

Q41 Mathematics

A tap fills a tank in 11 hours. Another tap empties the full tank in 22 hours. How long (in hours) will it take to fill the tank completely, if the tank is empty and both the taps are open together?

- A. 24
- B. 22
- C. 23
- D. 25

Q42 Mathematics

What is the amount on ₹20,000 for six months at 12% annual interest, compounded quarterly?

- A. ₹21335
- B. ₹21218
- C. ₹21823
- D. ₹21934

Q43 Mathematics

A quantity is first decreased by 12% and then again decreased by 8%. What is the overall percentage decrease?

- A. 20.96%
- B. 19.04%
- C. 18.96%
- D. 21.04%

Q44 Mathematics

A man sells two articles for ₹42000 each. He gets a profit of 45% on one article and loses 45% on the other article. What is his overall profit or loss (to the nearest integer) in this transaction?

- A. ₹21329 loss
- B. ₹21429 profit
- C. ₹21329 profit
- D. ₹21429 loss



Q45 Mathematics

A traveller moves from City A to City B at 48 km/h and returns at 60 km/h. If the total time taken for the whole journey is 9 hours, find the distance between A and B.

A. 270 km

B. 250 km

C. 240 km



D. 260 km

Q46 Mathematics

If 15 notebooks cost ₹240, then how many notebooks can be bought with ₹992?

A. 62



B. 64

C. 60

D. 66

Q47 Mathematics

In a college, class A has 25 students and class B has 30 students. If the number of students in class A increases by 20% in the first year and by 10% in the second year, and the number of students in class B increases by a total of 20% in two years, what is the overall percentage increase in the total number of students in the college over the two years? (Give your answer rounded off to 2 decimal places.)

A. 25.45%



B. 25.85%

C. 20.45%

D. 20.85%

Q48 Mathematics

What sum of money (in ₹) will yield ₹720 as simple interest in 3 years at 6% per annum?

A. 4400

B. 4200

C. 4000



D. 3500

Q49 Mathematics

The value of $27^3 - 22^3$ is:

A. 8923

B. 9035



C. 8888

D. 8823

Q50 Mathematics

Which number, when added to each of the numbers 2, 3, 11 and 13, will make the resulting numbers in proportion?

A. 5

B. 6

C. 4

D. 7

**Q51 Mathematics**

The mean of a data is 20 and its median is 30. The mode (using empirical relation) of the data is:

A. 110

B. 131

C. 44

D. 50

**Q52 Mathematics**

A dealer buys two articles X and Y for ₹700 each. He marks each of them at the same price. He sells X by giving two successive discounts of 60% and 20% and still earns ₹630 as profit. If he sells Y at a single discount of 76%, then what is the profit percentage on Y?

A. 42%

B. 41.5%

C. 41%

D. 42.5%

**Q53 Mathematics**

Pipe A can fill a tank in 12 hours, pipe B in 15 hours, and an outlet C can empty it in 20 hours. A and B are opened together for 5 hours, and then C is also opened. Find the total time to fill the tank.

A. 6.5 hours

B. 6 hours

C. 7.5 hours



D. 5.5 hours

Q54 Mathematics

If the cost of 8 pens is ₹136, then find the cost of 12 such pens.

A. ₹206

B. ₹202

C. ₹204



D. ₹208



Q55 Mathematics

The difference between the present ages of Ayushi and Nidhi is 26 years. Five years ago from now, the sum of their ages was 30 years. If Ayushi is older than Nidhi, find Nidhi's present age (in years).

A. 7



B. 12

C. 10

D. 6

Q56 Mathematics

What is the mode of the following data?

47, 43, 50, 46, 46, 40, 54, 54, 40, 54, 42, 48, 44, 55, 52, 45, 41, 41

A. 41

B. 46

C. 54



D. 40

Q57 Mathematics

The difference between the present ages of Juhi and Surbhi is 24 years. Five years ago from now, the sum of their ages was 66 years. If Juhi is older than Surbhi, find Surbhi's present age (in years).

A. 26



B. 33

C. 20

D. 18

Q58 Mathematics

If an exterior angle of a regular polygon is 40° , then find the number of diagonals of the polygon.

A. 27



B. 40

C. 35

D. 45

Q59 Mathematics

Aarju starts a business with ₹55,000 and after 3 months, Bimla joins Aarju as her partner. After a year, the profit is divided in the ratio 8 : 9. What is Bimla's contribution in the capital?

A. ₹84,240

B. ₹82,355

C. ₹82,500



D. ₹84,080

Q60 Mathematics

If $x = 5 + 2\sqrt{6}$, then find the value of $\frac{x-1}{\sqrt{x}}$.

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

B. $\sqrt{2}$



C. $2\sqrt{2}$

D. $3\sqrt{2}$



Q61 Mathematics**Simplify:**

$$\left(\frac{5}{6} + \frac{1}{3}\right) \div \left(\frac{2}{5} + 0.3\right) \times 0.5 + \frac{1}{2} - \frac{1}{6}$$

A. $\frac{1}{6}$

B. $\frac{7}{6}$

C. $\frac{3}{6}$



D. $\frac{5}{6}$

Q62 Mathematics

The simplified value of $\sqrt{225} + \sqrt{0.04} - \sqrt{4.84}$ is

A. 4.03

B. 13



C. 3.82

D. 13.53

Q63 Mathematics

A hollow cylindrical pipe has an external radius of 7 cm, internal radius of 6 cm, and height of 20 cm. Find the total surface area of the pipe (both ends included).

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

A. 1600 cm²

B. 1716 cm²



C. 1670 cm²

D. 1485 cm²

Q64 Mathematics

Find the perimeter of the semi-circle of radius 21 cm

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

A. 87 cm

B. 174 cm

C. 108 cm



D. 66 cm



Q65 Mathematics

$$\begin{array}{r} 19 \ 29 \ 11 \ 17 \\ \hline 3 \ 3 \ 3 \ 3 \end{array}$$

A. $\frac{19}{3}$



B. $\frac{17}{3}$

C. $\frac{29}{3}$

D. $\frac{11}{3}$

General Intelligence & Reasoning

25 Questions • Answer Key

Q66 General Intelligence & Reasoning

What should come in place of '?' in the given series?

6, 7, 11, 20, 36, 61, ?

A. 97



B. 105

C. 95

D. 110

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. B is kept third from the top. Only three boxes are kept between D and B. C is kept immediately below G but above F. A is kept below E but above B. How many boxes are kept between C and A?

A. Four

B. Three

C. One

D. Two



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. NPM

B. MOL

C. KHG



D. GIF

Q69 General Intelligence & Reasoning

In a certain code language, 'TYRE' is coded as '8526' and 'BYTE' is coded as '5986'. What is the code for 'B' in that language?

A. 8

B. 6

C. 9



D. 2

Q70 General Intelligence & Reasoning

Each letter in the word DEARTH is changed to the letter immediately following it in the English alphabetical order and then all the letters thus formed are arranged in alphabetical order. Which of the following letters will be fourth from the right in the new group of letters thus formed?

A. S

B. F

C. E

D. I



Q71 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 three boxes are kept between E and D. C is kept above A but below G. B is kept above F but below A. Which box is kept immediately above A?

A. E

B. C



C. D

D. G



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Q72 General Intelligence & Reasoning

Each vowel in the word PANDEMIC is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will appear exactly twice in the new group of letters thus formed?

A. O

B. B



C. C

D. M

Q73 General Intelligence & Reasoning

A, B, C, D, E, F and G are sitting around a circular table facing the centre. Only two people are seated between E and F when counted from the right of E. Only two people are seated between F and D when counted from the left of D. Only three people are seated between E and B when counted from the left of B. C is seated to the immediate left of G. How many people are seated between A and F when counted from the right of F?

A. 3

B. 1



C. 2

D. 4

Q74 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.

KNG : MLF

GRN : IPM

A. IGH : KDG

B. KHR : MFP

C. JSN : LQM



D. BGM : DEK

Q75 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 x Q means 'P is the brother of Q'
P ÷ Q means 'P is the son of Q'

Based on the above, how is G related to K if 'F - G x H ÷ I - J ÷ K'?

A. Mother's brother

B. Mother's father

C. Son's Son



D. Father's brother

Q76 General Intelligence & Reasoning

E, R, U, T, Y, W and Q are sitting around a circular table, facing the centre of the table.

Only two people sit between T and Q when counted from the right of Q. Only three people sit between W and U when counted from the right of U. E sits to the immediate right of W. Y is an immediate neighbour of U as well as Q.

How many people sit between R and U when counted from the left of R?

A. 4

B. 1

C. 3



D. 2

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. UX-XD



B. SV-WZ

C. DG-HK

D. FI-JM

Q78 General Intelligence & Reasoning

EHLF is related to NQUO in a certain way based on the English alphabetical order. In the same way, HKOI is related to QTXR. To which of the following is JMQK related, following the same logic?

A. SVTZ

B. SVZT



C. VSZT

D. VSTZ



Q79 General Intelligence & Reasoning

In a certain code language, 'DUKE' is coded as '8123' and 'DESK' is coded as '2314'. What is the code for 'S' in that language?

A. 2

B. 1

C. 4



D. 8

Q80 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?

147 A 3 C 51 D 16 B 3 = ?

A. 54

B. 50

C. 59

D. 52

**Q81 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 S related to N if 'S ÷ E + W x T - N'?

A. Brother's wife's father



B. Wife's father

C. Brother's father

D. Brother's wife's brother

Q82 General Intelligence & Reasoning

What should come in place of '?' in the given series?

47 54 63 70 79 ?

A. 86



B. 83

C. 84

D. 88

Q83 General Intelligence & Reasoning

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

(Left) D J L O E A H O A F A G E B G A N R S H X (Right)

How many such consonants are there, each of which is immediately preceded by a consonant and also immediately followed by a vowel?

A. One

B. None

C. Two



D. Three

Q84 General Intelligence & Reasoning

G is the mother of Y. Y is the sister of V. S is the father of L. L is the husband of V. How is G related to L?

A. Sister

B. Mother

C. Wife's sister

D. Wife's mother

**Q85 General Intelligence & Reasoning**

Anu starts from Point A and drives 3 km towards the north. He then takes a right turn, drives 2 km, turns right and drives 5 km. He then takes a right turn and drives 4 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 west

B. 2 km to the east



C. 6 km to the east

D. 8 km to the North

Q86 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.)

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

How many such even digits are there, each of the which is immediately preceded by a perfect square and immediately followed by an even digit? (NOTE: 1 is also a perfect square)

A. Five



B. Four

C. Two

D. Three



Q87 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 one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. XB - UY

B. DI - AF

C. KO - HL

D. QR - MP

**Q88 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?

$$48 - 96 \times 12 \div 4 + 32 = ?$$

A. 42

B. 46

C. 48



D. 43

Q89 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. HO - JQ

B. OV - QX

C. DK - FM

D. KU - MT

**Q90 General Intelligence & Reasoning**

VRHM is related to XTJO in a certain way based on the English alphabetical order. In the same way, DZPU is related to FBRW. To which of the given options is JVFA related, following the same logic?

A. LXHC



B. LXCD

C. LKIO

D. LCDF

General Awareness

10 Questions • Answer Key

Q91 General Awareness

Which distinguishing feature primarily differentiates a biosphere reserve from a national park in India, as per conservation and management objectives?

A. Biosphere Reserves (BRs) does not aim at conservation of biological diversity.

B. Biosphere Reserves (BRs) covers a smaller geographical area than national parks.

C. Biosphere Reserves (BRs) allow research, tourism, and local livelihoods in designated buffer and transition zones.



D. Biosphere Reserves (BRs) focuses exclusively on protection of wild animals.

Q92 General Awareness

What is the main purpose of the vehicle-mounted Laser DEW MK-II(A) tested by DRDO in April 2025?

A. Space communication

B. Drone neutralization



C. Anti-ballistic missile defense

D. Satellite launching

Q93 General Awareness

Which private Indian company has recently achieved a significant milestone by becoming the first to receive approval for offering satellite-based internet services in India?

A. Reliance Jio

B. Tata Communications

C. Ananth Technologies



D. SpaceX

Q94 General Awareness

The provision of 'Single citizenship' for all in the Indian Constitution is adopted from the constitution of which of the following countries?

A. Australian Constitution

B. British Constitution



C. US Constitution

D. Canadian Constitution



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Q95 General Awareness

Keshab Chandra Sen was a prominent leader of which of the following reform movements in India?

- A. Prarthana Samaj
- B. Brahmo Samaj ✓
- C. Arya Samaj
- D. Ramakrishna Mission

Q96 General Awareness

Which of the following articles of the Constitution of India provides for the mechanism and power of Parliament to amend the Constitution?

- A. Article 372
- B. Article 368 ✓
- C. Article 356
- D. Article 362

Q97 General Awareness

Which major operation did the Indian government launch in May 2025 following the terrorist attack in Pahalgam?

- A. Operation Shakti
- B. Operation Vijay
- C. Operation Trident
- D. Operation Sindoor ✓

Q98 General Awareness

The Supreme Court dismissed which state's plea to halt Karnataka's Mekedatu project in November 2025?

- A. Maharashtra
- B. Andhra Pradesh
- C. Goa
- D. Tamil Nadu ✓

Q99 General Awareness

The Second Five-Year Plan (1956–61) was strategically designed to accelerate India's long-term growth by prioritizing which of the following sectors?

- A. Public health infrastructure
- B. Heavy industries ✓
- C. Village-level artisan development
- D. Renewable energy expansion

Q100 General Awareness

Match the following.

Person Musical Instrument

- a. Amir Ali Khan i. Sitar
- b. Anoushaka Shankar ii. Ghatam
- c. T.H. Vinayakram iii. Sarod
- d. Bismillah Khan iv. Shehnai

- A. a-iii; b-i; c-ii; d-iv ✓
- B. a-iv; b-ii; c-iii; d-i
- C. a-ii; b-iv; c-i; d-iii
- D. a-ii; b-iii; c-i; d-iv



General Science

40 Questions • Answer Key

Q1 General Science

Read the given statements carefully and select the correct option.

Statement-I: Most carbon compounds are poor conductors of electricity.

Statement-II: Carbon compounds have low melting and boiling points as compared to ionic compounds.

- A. Both the statements are false.
- B. Both the statements are true. ✓
- C. Statement-I is false but statement-II is true.
- D. Statement-I is true but statement-II is false.

Q2 General Science

Why are xylem and phloem called "complex permanent tissues"?

- A. Their cells can divide and form new tissues.
- B. They consist of only one type of cell for performing a single function.
- C. They are temporary in function and disappear after growth.
- D. They contain different types of cells working together for transport. ✓

Q3 General Science

If a conductor has a potential difference of 1 V across its ends and a current of 1 A flows through it, what is the resistance of the conductor?

- A. 1 Ω
- B. 2 Ω
- C. 10 Ω ✓
- D. 0.5 Ω

Q4 General Science

Which of the following statements is correct regarding molecules of an element?

- A. Molecules of an element always contain two or more different types of atoms.
- B. A molecule of an element consists of only one type of atom bonded together. ✓
- C. All elements exist as monoatomic molecules in their natural state.
- D. Elements do not form molecules, only compounds do.

Q5 General Science

Ethanol and ethanoic acid react in the presence of concentrated sulphuric acid to form a sweet-smelling compound. Which of the following correctly identifies the reaction type and the role of concentrated H_2SO_4 ?

- A. It is an oxidation reaction; H_2SO_4 acts as an oxidizing agent.
- B. It is a substitution reaction; H_2SO_4 acts as a dehydrating agent to remove water molecules.
- C. It is an esterification reaction; H_2SO_4 acts as a catalyst and a dehydrating agent. ✓
- D. It is a neutralization reaction; H_2SO_4 acts as an acid to neutralize the base.

Q6 General Science

A train starting from rest reaches a speed of 40 km/h in 10 minutes. What is its final speed in m/s?

- A. 11.11 m/s ✓
- B. 4 m/s
- C. 400 m/s
- D. 6.67 m/s

Q7 General Science

If A displaces B, and C displaces A, then the order of reactivity is:

- A. $B > A > C$ ✓
- B. $C > B > A$
- C. $C > A > B$
- D. $A > B > C$

Q8 General Science

The M shell can take a maximum of ____ electrons, but in Ca it has ____ electrons. [Atomic Number of Ca = 20]

- A. 8, 10
- B. 18, 10
- C. 8, 8
- D. 18, 8 ✓



Q9 General Science

Which of the following best explains why anaerobic respiration releases less energy than aerobic respiration?

- ☒ A. It partially breaks down glucose.
- ☐ B. It uses less glucose.
- ☐ C. It does not require enzymes.
- ☐ D. It occurs slower than aerobic respiration.

Q10 General Science

A girl weighing 420 N climbs a rope to a height of 6 m and takes 20 seconds to do it. What is her power output?

- ☐ A. 105 W
- ☐ B. 155 W
- ☐ C. 90 W
- ☒ D. 126 W

Q11 General Science

In Fleming's Left Hand Rule, which finger represents the direction of the magnetic field?

- ☐ A. Little finger
- ☐ B. Middle finger
- ☒ C. First (index) finger
- ☐ D. Thumb

Q12 General Science

Which of the following movements is controlled by unstriated and involuntary smooth muscle tissue?

- ☐ A. Waving the hand
- ☐ B. Moving the legs to walk
- ☒ C. Movement of food in the alimentary canal
- ☐ D. Rhythmic contraction of the heart

Q13 General Science

Which of the following statement(s) is/are true when a beam of white light is incident on a glass prism?

- (i) The white light undergoes dispersion.
- (ii) The speed of light remains constant when it goes from air into the prism.
- (iii) The speed of light decreases as the light goes from air into the prism.

- ☐ A. Only (ii)
- ☒ B. Both (i) and (iii)
- ☐ C. Both (ii) and (iii)
- ☐ D. Only (i)

Q14 General Science

Food chains generally do not extend beyond four trophic levels because:

- ☐ A. decomposers outnumber consumers
- ☐ B. carnivores feed only on producers
- ☒ C. of large loss of energy at each level
- ☐ D. of limited number of producers

Q15 General Science

A strong magnetic field produced inside a solenoid can be used to magnetise a piece of soft iron placed inside the coil. The resulting magnet is called a/an _____.

- ☐ A. Natural magnet
- ☐ B. Toroid
- ☒ C. Electromagnet
- ☐ D. Permanent magnet

Q16 General Science

Why does the sky appear dark to passengers flying at very high altitudes?

- ☐ A. The path of light is scattered back towards the sun.
- ☒ B. Scattering of light is not prominent at such heights.
- ☐ C. They are above the atmosphere.
- ☐ D. The air molecules absorb all blue light at that altitude.

Q17 General Science

If the radius of the Earth were to double while mass remains the same, the new value of g would be _____ the original value.

- ☐ A. 4 times
- ☒ B. One-fourth
- ☐ C. 2 times
- ☐ D. Half

Q18 General Science

Which of the following statements correctly describes the difference between mass and weight?

- ☒ A. Mass stays the same everywhere, but weight changes with location.
- ☐ B. Mass changes from one planet to another, but weight stays the same.
- ☐ C. Both mass and weight change with location.
- ☐ D. Weight and mass both remain constant everywhere.



Q19 General Science

Which of the following are properties of ionic compounds?

- A. High melting point
- B. Soluble in non-polar solvents
- C. Conduct electricity in solid state
- D. Brittle in nature

A. Only (A) and (B)

B. Only (A) and (D) ✓

C. Only (C) and (B)

D. Only (C) and (D)

Q20 General Science

Reshma swims back and forth in a 120 m long pool, covering a total distance of 240 m in 1 minute. What is her average velocity?

A. 0 m/s ✓

B. 5 m/s

C. 2 m/s

D. 4 m/s

Q21 General Science

In a dug well, water is collected from:

A. Impervious strata

B. Deep strata

C. Water-bearing strata ✓

D. Neighbouring strata

Q22 General Science

Which of the following pairs must represent the same element?

A. Same number of neutrons, different atomic numbers

B. Same atomic number, different mass numbers ✓

C. Different number of protons, same number of neutrons

D. Same mass number, different atomic numbers

Q23 General Science

The alpha particles that passed straight through the gold foil showed that:

A. the atom has a positive charge

B. the nucleus is negatively charged

C. the atom is mostly empty space ✓

D. the nucleus is huge

Q24 General Science

Which part of a plant cell helps it stay intact and prevents bursting in a hypotonic environment?

A. Cytoplasm

B. Vacuole

C. Cell membrane

D. Cell wall made of cellulose ✓

Q25 General Science

A sound wave has a frequency of 2 kHz and a wavelength of 45 cm. How much time will it take to cover a distance of 1.8 km?

A. 0.5 seconds

B. 2 seconds ✓

C. 4 seconds

D. 1 second

Q26 General Science

What is the main purpose of hybridisation in crop improvement programmes?

A. To produce genetically identical plants through cloning

B. To grow crops without using fertilizers or irrigation

C. To increase the natural mutation rate in crop plants

D. To combine desirable traits by crossing genetically dissimilar plants ✓

Q27 General Science

The SI unit of the universal gravitation constant is _____.

A. Nm-2kg-1

B. Nm²kg⁻² ✓

C. Nm²kg-1

D. Nm-2kg²

Q28 General Science

What is the formula unit mass of ammonium sulphate (NH₄)₂SO₄?

A. 114 u

B. 98 u

C. 146 u

D. 132 u ✓



Q29 General Science

What is the primary function of the axon in a neuron?

A. Transmit electrical impulses to other neurons or target organs. ✓

B. Supply nutrients to the cell body.

C. Store neurotransmitters for later use.

D. Provide structural support to the neuron.

Q30 General Science

What is produced when an acid reacts with a metal hydrogen carbonate?

A. Salt, carbon dioxide and water ✓

B. Salt, ammonia and water

C. Salt, oxygen and water

D. Salt, hydrogen gas and water

Q31 General Science

In a school canteen, students notice that many plastic cups and plates are thrown away daily. To solve this problem, they suggest switching to steel plates and reusable water bottles. This action mainly promotes _____.

A. Better packaging design

B. Reduction and reuse of waste ✓

C. More plastic recycling

D. Faster waste collection

Q32 General Science

The female reproductive part of the flower is known as:

A. pistil ✓

B. sepals

C. petals

D. stamens

Q33 General Science

Read the given statements carefully. Select which statement(s) is/are correct.

Statement-I: There are some substances whose odour changes in acidic or basic media. These are called olfactory indicators.

Statement-II: Vanilla extract and onion can be used as olfactory indicators.

A. Both statements I and II are true. ✓

B. Statement-I is false but statement-II is true.

C. Both statements I and II are false.

D. Statement-I is true but statement-II is false.

Q34 General Science

The principal role of the large central vacuole in mature plant cells is to:

A. Control cell division and heredity.

B. Carry out cellular respiration to produce energy.

C. Store cell sap and help maintain turgor pressure. ✓

D. Synthesize proteins for export.

Q35 General Science

Two beakers contain sugar solution of different concentrations. A semipermeable membrane separates them. After some time, the level of solution in one beaker rises while in the other, it falls. Which property of solutions does this experiment best demonstrate, and why?

A. Sedimentation – because sugar crystals settle at the bottom due to gravity

B. Osmosis – because solvent molecules move from the dilute solution to the concentrated solution through the semipermeable membrane ✓

C. Diffusion – because sugar molecules move freely across the membrane until equilibrium is reached

D. Evaporation – because water molecules escape from the surface of the solution causing a level difference

Q36 General Science

Which of the following observations best confirms that a neutralisation reaction has occurred?

A. A gas with a pungent smell is evolved.

B. The pH of the solution becomes close to 7. ✓

C. The solution changes from blue to red.

D. The temperature of the solution drops drastically.

Q37 General Science

Epithelial tissue primarily functions in:

A. Muscle contraction

B. Secretion and protection ✓

C. Coordination

D. Support



Q38 General Science

A body of mass 10 kg is thrown vertically upwards with a velocity of 10 m/s. How much potential energy will be possessed by the body when it reaches the maximum height? (Take $g = 10 \text{ m/s}^2$)

A. 25 J

B. 500 J



C. 2.5 J

D. 250 J

Q39 General Science

Why is the use of condoms during sexual intercourse recommended?

A. Condoms help prevent the transmission of sexually transmitted diseases to some extent



B. Condoms are used to increase fertility in both males and females

C. Condoms completely eliminate the risk of pregnancy and infections

D. Condoms are required by law to maintain the population balance

Q40 General Science

A 2.0 cm tall object is placed 20 cm from a convex lens of focal length 15 cm. What is the magnification produced by the lens?

A. -1

B. +3

C. +1

D. -3

**Mathematics**

25 Questions • Answer Key

Q41 Mathematics

If the product of two numbers is 98,304 and their HCF is 128, then find the LCM of the numbers.

A. 768



B. 789

C. 786

D. 766

Q42 Mathematics

The length of a diagonal of a rectangular park is 25 meters, and that of one of its sides is 15 meters. Find the perimeter of the park.

A. 40 meters

B. 70 meters



C. 50 meters

D. 60 meters

Q43 Mathematics

A trader claims to sell spice at a profit of 15% but also dishonestly uses a weight which is 14% less than what is mentioned on it. Find the total percentage of profit earned by the trader. (Round the answer to the nearest whole number)

A. 31%

B. 36%

C. 34%



D. 39%

Q44 Mathematics

What is the mode of the following data?

43, 44, 43, 53, 42, 44, 46, 47, 55, 50, 52, 55, 40, 45, 44, 53, 48, 48

A. 43

B. 55

C. 53

D. 44



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Q45 Mathematics

Which of the following numbers is NOT divisible by both 6 and 9?

A. 45



B. 90

C. 54

D. 72

Q46 Mathematics

Mr. John spent 20% of his monthly income on food and 20% on children's education. 40% of the remaining income, he spent on shopping and transport together and 20% of the rest was spent on medical expenses. If he is left with ₹23,040, after all these expenditures, what is his monthly income?

A. ₹86,000

B. ₹96,000

C. ₹92,000

D. ₹80,000

**Q47 Mathematics**

If $a + b + c = 13$ and $ab + bc + ca = 4$, then what is the value of $ab(a + b) + bc(b + c) + ca(c + a) + 3abc$?

A. 17

B. 38

C. 9

D. 52

**Q48 Mathematics**

If the fourth proportional to $2x$, $3x$, and 12 is y , find y .

A. 16

B. 20

C. 18



D. 24

Q49 Mathematics

The mean of a data is 47 and its median is 61. The mode (using empirical relation) of the data is:

A. 148

B. 111

C. 23

D. 89

**Q50 Mathematics**

The difference between two parallel sides of a trapezium is 9 cm. The perpendicular distance between them is 52 cm. If the area of the trapezium is 988 cm^2 , find the lengths of the parallel sides (in cm).

A. 29.5, 20.5

B. 35.5, 20.5

C. 18.5, 12.5

D. 23.5, 14.5

**Q51 Mathematics**

When one-third of a number is increased by 25, the result is 100. Find the sum of the digits of the original number.

A. 10

B. 9



C. 7

D. 12

Q52 Mathematics

What sum of money (in ₹) will yield ₹720 as simple interest in 3 years at 8% per annum?

A. 2500

B. 3200

C. 3000



D. 3400

Q53 Mathematics

If $9A7B$ is divisible by 55, find $A + B$.

A. 5



B. 7

C. 11

D. 16

Q54 Mathematics

Lalit deposits ₹42,000 in his account that pays an annual interest rate of 20% compounded half yearly. Calculate the total amount in his account after one year.

A. ₹50,650

B. ₹50,820



C. ₹50,680

D. ₹50,880



Q55 Mathematics

The difference between the present ages of Ayushi and Nidhi is 21 years. Five years ago from now, the sum of their ages was 83 years. If Ayushi is older than Nidhi, find Nidhi's present age (in years).

A. 36



B. 38

C. 33

D. 31

Q56 Mathematics

A 180-meter-long train passes a pole in 12 seconds. A second 120-meter-long train is moving in the same direction as of the first train and crosses the first train in 15 seconds. What is the speed of the second train?

A. 115 km/h

B. 120 km/h

C. 110 km/h

D. 126 km/h

**Q57 Mathematics**

Three pipes X, Y, and Z can fill a tank in 12, 15, and 20 hours, respectively. All three pipes are opened together but pipe Z is closed 3 hours before the tank is completely filled. In how many hours will the tank be filled?

A. 5 hours 45 minutes



B. 6 hours 15 minutes

C. 6 hours 45 minutes

D. 5 hours 15 minutes

Q58 Mathematics

A dealer buys two articles X and Y for ₹800 each. He marks each of them at the same price. He sells X by giving two successive discounts of 73% and 37% and still earns ₹901 as profit. If he sells Y at a single discount of 89%, then what is the profit percentage on Y?

A. 36.5%

B. 37%

C. 37.5%



D. 36%

Q59 Mathematics

The sum of the present ages of a father and his son is 60 years. Five years ago from now, the product of numerical values of their ages was 525. Find the present age (in years) of the father.

A. 50

B. 45

C. 55

D. 40

**Q60 Mathematics**

One pipe can fill the tank in 14 min, while another pipe can empty the completely filled tank in 63 min. If both the pipes are operated together on empty tank, how long (in min) will it take to fill one-third of the tank?

A. 6



B. 12

C. 18

D. 24

Q61 Mathematics

A number when increased by 110%, gives 3570. The number is:

A. 5100

B. 3400

C. 1700



D. 850



Q62 Mathematics

$$\frac{5}{3} - \frac{2}{3} - \frac{2}{3} - \frac{5}{3}$$

A. $\frac{5}{3}$

B. $\frac{2}{3}$

C. $-\frac{2}{3}$

D. $-\frac{5}{3}$ ✓

Q63 Mathematics

If the area of an equilateral triangle is given as 900 m^2 , then what is its perimeter?

A. $60\sqrt[3]{27} \text{ m}$

B. $60\sqrt[4]{27} \text{ m}$ ✓

C. $60\sqrt[4]{21} \text{ m}$

D. $60\sqrt[4]{81} \text{ m}$

Q64 Mathematics

Simplify: $[\{76 \times (24 \div 3) + 2 \times 18\} \div 644] \times \frac{20}{2}$

A. 4

B. 10 ✓

C. 20

D. 16

Q65 Mathematics

Simplify: $\frac{(120 - 12) \div (24 \div 2) - 12 + 7}{5 \times 12 \div 10 - (6 \times 4) \div 12}$

A. $\frac{2}{3}$

B. 1

C. $\frac{3}{2}$ ✓

D. -1



Q66 General Intelligence & Reasoning

What should come in place of '?' in the given series?

5 20 80 320 1280 ?

A. 5134

B. 5130

C. 5128

D. 5120

**Q67** General Intelligence & Reasoning

In a certain code language,
 A # B means 'A is the mother of B',
 A + B means 'A is the daughter of B',
 A ÷ B means 'A is the wife of B',
 and A @ B means 'A is the father of B'.

How is A related to T if 'A + B @ H # K ÷ T'?

A. Wife's mother's sister



B. Wife's mother's mother

C. Wife's sister

D. Wife's mother

Q68 General Intelligence & Reasoning

Sanjay starts from point Y and drives 32 km towards West. He then takes a left turn, drives 51 km, turns right and drives 66 km. He then takes a right turn and drives 14 km. He takes a right turn, drives 45 km. He then turns left, drives 37 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. 49 km towards east

B. 53 km towards east



C. 51 km towards west

D. 55 km towards north

Q69 General Intelligence & Reasoning

FG 151 is related to EH 101 in a certain way. In the same way, MN 262 is related to LO 212. To which of the following is UV 379 related, following the same logic?

A. SW 349

B. SX 339

C. TX 329

D. TW 329

**Q70** General Intelligence & Reasoning

Chandan starts from Point A and drives 11 km towards east. He then takes a left turn, drives 8 km, turns left and drives 13 km. He then takes a left turn and drives 13 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° turns only unless specified.)

A. 3 km to the west

B. 5 km to the north



C. 5 km to the south

D. 3 km to the east

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. PSQ

B. DGE

C. JMK

D. GFT

**Q72** 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 man out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. CYZ

B. DZA

C. MJK



D. EAB



Q73 General Intelligence & Reasoning

Each vowel in the word LARKISH is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. How many letters will appear exactly twice in the group of letters thus formed?

- A. 2
- B. 3
- C. 1
- D. 0

**Q74 General Intelligence & Reasoning**

What should come in place of '?' in the given series?

13 26 52 104 208 ?

- A. 416
- B. 417
- C. 415
- D. 414

**Q75 General Intelligence & Reasoning**

Six friends D, E, F, G, J and K are sitting around a circular table facing the center of the table. E sits third to the left of F. F sits second to the left of D. Only J sits between F and G. K is not an immediate neighbor of E. How many people sit between K and G when counted from the right of G?

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

**Q76 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.)

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

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

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

**Q77 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?

$$4 \text{ B } 5 \text{ D } 20 \text{ A } 2 \text{ C } 17 = ? \text{ D } 3$$

- A. 35
- B. 50
- C. 20
- D. 30

**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?

$$5 \text{ B } 2 \text{ D } 10 \text{ A } 2 \text{ C } 12 = ? \text{ D } 3$$

- A. 20
- B. 30
- C. 15
- D. 12

**Q79 General Intelligence & Reasoning**

Sunny starts from Point A and drives 5 km towards the north. He then takes a left turn, drives 6 km, turns left and drives 7 km. He then takes a left turn and drives 8 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. 2 km to the west
- B. 1 km to the east
- C. 3 km to the North
- D. 4 km to the South

**Q80 General Intelligence & Reasoning**

E, R, U, T, Y, W and Q are sitting around a circular table, facing the centre of the table.

U sits third to the left of Q. W sits second to the left of R. Q is the immediate neighbour of both T and W. E is not an immediate neighbour of U.

How many people sit between W and Y when counted from the right of Y?

- A. 4
- B. 2
- C. 1
- D. 3



Q81 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.

GDA-WTQ
URO-KHE

A. AWS-PMJ

B. AXU-QNK

C. AWS-QNK

D. AXU-PNJ

Q82 General Intelligence & Reasoning

In a certain code language, 'CURL' is coded as '4386' and 'LURE' is coded as '5846'. What is the code for 'E' in that language?

A. 6

B. 3

C. 5

D. 8

Q83 General Intelligence & Reasoning

In a certain code language, 'KIDS' is coded as '1248' and 'SILK' is coded as '2941'. What is the code for 'L' in that language?

A. 1

B. 8

C. 2

D. 9

Q84 General Intelligence & Reasoning

Each letter in the word BESWARM is changed to the letter immediately following it in the English alphabetical order and then all the letters thus formed are arranged in the English alphabetical order. Which of the following letters will be fourth from the right in the new group of letters thus formed?

A. S

B. X

C. N

D. F

Q85 General Intelligence & Reasoning

Nehal ranked 22nd from the top and 10th from the bottom in his class. How many students are there in his class?

A. 31

B. 32

C. 33

D. 30

Q86 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. RUS

B. NQO

C. MHG

D. KNL

Q87 General Intelligence & Reasoning

Seven boxes, G, H, I, J, O, K, and L, are kept one over the other, but not necessarily in the same order. J is kept second from the bottom. Only three boxes are kept between J and I. K is kept at one of the positions below J. Only G is kept between I and L. H is kept at one of the positions above I. How many boxes are kept between O and K?

A. One

B. Three

C. Two

D. Four

Q88 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.

ZRD : WPC
WET : TCS

A. YDG : VBF

B. VYA : UWX

C. XAP : UYN

D. RKF : OID



Q89 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.)

(Left) 2 4 9 6 7 1 4 6 3 9 5 2 4 8 6 1 3 2 7 6 2 5 8 1 (Right)
How many such odd digits are there, each of the which is immediately preceded by an odd digit and immediately followed by an even digit?

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

Q90 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 man out is not based on the number of consonants/vowels or their position in the letter cluster.)

- A. JNK
- B. INJ
- C. QUR
- D. GKH

General Awareness

10 Questions • Answer Key

Q91 General Awareness

Who took the oath as Bihar's Chief Minister for the record 10th time in 2025?

- A. Lalu Prasad Yadav
- B. Tejashwi Prasad Yadav
- C. Shri Nitish Kumar
- D. Shri Nishant Kumar

Q92 General Awareness

Which of the following Directive Principles was NOT added to the Indian Constitution as part of the 42nd Amendment Act of 1976?

- A. Article 48A: To protect and improve the environment and safeguard forests and wildlife
- B. Article 39: To secure opportunities for healthy development of children
- C. Article 39A: To promote equal justice and to provide free legal aid to the poor
- D. Article 38: State to minimise inequalities in income, status, facilities and opportunities

Q93 General Awareness

Which of the following committees, in its 2009 report, is known for introducing a widely used method to estimate poverty levels in India?

- A. A.V. Subramanian Committee
- B. B.N. Yugandhar Committee
- C. Suresh Tendulkar Committee
- D. Rangarajan Expert Group

Q94 General Awareness

Which of the following is the primary objective of Mission Sudarshan Chakra, launched by India in August 2025?

- A. Support agricultural innovation
- B. Promote economic reform
- C. Strengthen civil aviation
- D. Create a powerful defence weapon system

Q95 General Awareness

Which of the following successfully conducted user trials of the Akash-NG missile?

- A. Bharat Electronics (BEL)
- B. Defence Research and Development Organisation (DRDO)
- C. Mazagon Dock Shipbuilders
- D. Hindustan Aeronautics (HAL)

Q96 General Awareness

Who became the first Indian senior world champion in speed skating by winning the 1,000 m sprint at the World Championships in September 2025?

- A. Dhanush Babu
- B. Krish Sharma
- C. Anandkumar Velkumar
- D. Anish Raj



Q97 General Awareness

Which of the following renowned Indian musicians performed at the Red Fort on the occasion of India's independence in 1947?

- A. Pandit Ravi Shankar
- B. Pandit Hariprasad Chaurasia
- C. Pandit Bhimsen Joshi
- D. Ustad Bismillah Khan



Q98 General Awareness

Which policy of Lord Dalhousie was a significant political cause of the 1857 Revolt?

- A. Vernacular Press Act
- B. Doctrine of Lapse
- C. Ryotwari System
- D. Dual Government



Q99 General Awareness

Cherrapunji and Mawsynram, two places that generally receive the maximum rainfall in India, are located in:

- A. Aravalli Hills
- B. Nilgiri Hills
- C. Khasi Hills
- D. Satpura Hills



Q100 General Awareness

Allocation of seats to States and Union Territories in the Rajya Sabha is provided under which of the following Schedules of the Constitution of India?

- A. Fourth Schedule
- B. Eighth Schedule
- C. Tenth Schedule
- D. Sixth Schedule



General Science

40 Questions • Answer Key

Q1 General Science

Choose a term to complete the analogy.

Prokaryotic cell : Small and simple :: Eukaryotic cell :

- A. Smaller and simple
- B. Irregular and simple
- C. Larger and complex ✓
- D. Same size and complexity

Q2 General Science

Two bodies A and B are travelling in uniform motion, the slope of the distance- time graph of body A is greater than the slope of the distance - time graph of body B. Which of the following statements is correct?

- A. The speed of body A is equal to the speed of body B.
- B. The speed of body A is less than the speed of body B.
- C. The speed of body A is greater than speed of body B. ✓
- D. The acceleration of body A is greater than the acceleration of body B.

Q3 General Science

Which property do isobars share?

- A. Same chemical properties
- B. Same number of protons
- C. Same mass number ✓
- D. Same atomic number

Q4 General Science

In the electrolytic refining of copper, which of the following acts as the **anode**?

- A. Pure copper plate
- B. Impure copper block ✓
- C. Carbon electrode
- D. Copper sulphate solution

Q5 General Science

The difference in electrical conductivity between diamond and graphite arises because:

- A. Diamond has tightly packed ions
- B. Both have free electrons, but in different numbers
- C. Diamond has metallic bonding, graphite does not
- D. Graphite has delocalized electrons; diamond does not ✓

Q6 General Science

Even though action and reaction forces are equal in size, they may not cause equal accelerations. Why?

- A. Because only the larger force causes acceleration
- B. Because each force acts on a different object, and the objects may have different masses ✓
- C. Because the forces act on the same object
- D. Because reaction forces are always weaker in effect

Q7 General Science

A distance-time graph for uniform motion must pass through _____.

- A. Any point
- B. (0, 1)
- C. (1, 1) only
- D. The origin ✓

Q8 General Science

The rough endoplasmic reticulum is associated with:

- A. Lipid synthesis
- B. Enzyme breakdown
- C. Protein synthesis ✓
- D. DNA replication

Q9 General Science

A car has a mass of 120 kg. How much work must be done to raise its speed from 72 km/h to 108 km/h?

- A. 1.0×10^4 J
- B. 4.0×10^4 J
- C. 2.0×10^4 J
- D. 3.0×10^4 J ✓



Q10 General Science

Which cropping pattern maintains soil fertility through planned crop succession?

A. Crop rotation



B. Relay cropping

C. Mixed cropping

D. Monocropping

Q11 General Science

Which of the following is correct regarding the male and female gamete?

A. Male gamete is small and motile; and female gamete is larger and non-motile.



B. Male gamete is large and motile; and female gamete is smaller and non-motile.

C. Male gamete is small and non-motile; and female gamete is larger and motile.

D. Male gamete is large and non-motile; and female gamete is smaller and motile.

Q12 General Science

Which statement most accurately describes why food webs provide greater stability to an ecosystem compared to single food chains?

A. They recycle only energy.

B. They have fewer organisms.

C. They allow multiple feeding relationships, ensuring balance.



D. They involve only producers.

Q13 General Science

What specialisation is commonly found in the epidermal cells of plant roots to aid in their primary function?

A. A thick, waxy coating of cutin

B. Long, hair-like extensions



C. Large air cavities (aerenchyma)

D. Irregularly thickened corners

Q14 General Science

If the velocity-time graph is curved (non-linear), the object is moving with _____.

A. Constant rate of change of momentum

B. Constant speed

C. Non-uniform acceleration



D. Uniform acceleration

Q15 General Science

The solubility of **gases** in liquids generally:

A. Decreases with increase in temperature



B. Increases with increase in temperature

C. Is unaffected by temperature

D. First increases then decreases with increase in temperature

Q16 General Science

In a chemical reaction, 5.6 g of sodium reacts with 8.0 g of chlorine to form sodium chloride. What is the mass of sodium chloride formed according to the Law of Conservation of Mass?

A. 8.0 g

B. 13.6 g



C. 14.4 g

D. 12.4 g

Q17 General Science

Which of the following is **NOT** attributed to Areolar connective tissues in the human body?

A. Supporting internal organs

B. Filling the space inside organs

C. Storing fat globules for insulation



D. Helping in the repair of tissues

Q18 General Science

What happens to a ray of light that either passes through the principal focus (for a convex lens) or appears to meet at the principal focus (for a concave lens) before striking the lens?

A. It bends randomly after refraction.

B. It forms an image at the focal plane of the lens.

C. It always converges at the optical centre.

D. It emerges parallel to the principal axis after refraction.



Q19 General Science

Which of the following correctly explains why veins have valves but arteries do not?

- A. Arteries are located deep inside the body and are supported by muscles
- B. Veins carry blood at low pressure and need valves to prevent backflow ✓
- C. Arteries carry oxygenated blood and do not need valves
- D. Veins carry blood under high pressure, so valves prevent it from bursting

Q20 General Science

A device often used in electric circuits to change the resistance without changing the voltage source is the _____.

- A. Fuse
- B. Rheostat ✓
- C. Voltmeter
- D. Ammeter

Q21 General Science

The distance between the pole and the position of the object placed in front of a concave mirror is 120 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 focal length of this mirror?

- A. + 30 cm
- B. - 30 cm ✓
- C. - 60 cm
- D. + 60 cm

Q22 General Science

Addition reactions are characteristic of which type of hydrocarbons?

- A. Only alkynes
- B. Only alkenes
- C. Both alkynes and alkenes ✓
- D. Only alkanes

Q23 General Science

Which of the following relations is **incorrect** for electric power (P)?

- A. $P=VI$
- B. $P=R/V^2$ ✓
- C. $P=I^2R$
- D. $P=V^2/R$

Q24 General Science

Complete the analogy.

Kharif : Rainy season :: Rabi : _____

- A. Autumn season
- B. Summer season
- C. Spring season
- D. Winter season ✓

Q25 General Science

If two isotopes of an element 'X' are X-35 and X-37, the average atomic mass of chlorine (if X-35 = 25% and X-37 = 75%) will be:

- A. 34.5 u
- B. 36.5 u ✓
- C. 36.0 u
- D. 35.5 u

Q26 General Science

A convex mirror produces a magnification of $\frac{1}{3}$ when an object is placed at a distance of 30 cm from it. How much will be the image distance?

- A. + 10 cm ✓
- B. - 90 cm
- C. - 10 cm
- D. + 90 cm

Q27 General Science

A convex mirror of focal length 'X' cm forms an image at a distance of 8 cm when the object is placed at a distance of 40 cm in front of the mirror. What is the value of X?

- A. - 10 cm
- B. - $\frac{20}{3}$ cm
- C. + 10 cm ✓
- D. + $\frac{20}{3}$ cm



Q28 General Science

The location of an object is always described by specifying a point of reference known as the _____.

- A. Axis
- B. Origin** ✓
- C. Final position
- D. Displacement

Q29 General Science

Which of the following is the method used for refining metals such as copper, zinc and silver?

- A. Smelting
- B. Electrolytic refining** ✓
- C. Extraction
- D. Distillation

Q30 General Science

If an element forms an ion with a charge of -2 , what does this indicate about its valency?

- A. The element has gained 2 electrons.** ✓
- B. The element has 2 electrons in the nucleus.
- C. The element has lost 2 electrons.
- D. The element has gained 2 protons.

Q31 General Science

Identify the product formed when copper metal is exposed to dilute hydrochloric acid.

- A. No reaction** ✓
- B. Salt and hydrogen gas
- C. Only Salt
- D. Salt and chlorine gas

Q32 General Science

_____ is a process in which persistent, non-degradable chemicals become progressively more concentrated at each higher trophic level in a food chain.

- A. Biological magnification** ✓
- B. Ecological succession
- C. Biodegradation
- D. Bioremediation

Q33 General Science

Which of the following is/are NOT true about action reaction forces?

- (i) Action reaction forces are unequal in magnitude and always act in the same direction.
- (ii) Action reaction forces act on different bodies.
- (iii) Action reaction forces act on the same body.

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

Q34 General Science

Which of the following pairs are correctly matched as structural isomers?

- A) Pentane – 2-methylbutane
- B) Butane – 2-methylpropane
- C) Benzene – cyclohexene

- A. A, B and C
- B. A and C only
- C. B and C only
- D. A and B only** ✓

Q35 General Science

What is formed when the male germ-cell from the pollen grain fuses with the female gamete in flowering plants?

- A. Ovule
- B. Pollen grain
- C. Stigma
- D. Zygote** ✓

Q36 General Science

Meristematic tissue contributes to plant growth because its cells:

- A. Have thick secondary walls
- B. Are permanently differentiated
- C. Continuously divide throughout life** ✓
- D. Contain large central vacuoles



Q37 General Science

Choose a term to complete the analogy.

Apical Meristem : Length :: Lateral Meristem :

- A. Cell differentiation only
- B. Girth
- C. Nodes
- D. Tips of stems

Q38 General Science

According to Bohr's model, where are electrons found in an atom?

- A. Resting outside the atom in free space
- B. Moving in fixed circular orbits around the nucleus
- C. Fixed positions inside the nucleus
- D. Randomly scattered inside the atom

Q39 General Science

The centre of curvature (C) of a concave mirror is located _____.

- A. Behind the mirror
- B. At infinity
- C. At the pole (P)
- D. In front of the mirror

Q40 General Science

If the pH of a solution is 3, what is the concentration of hydrogen ions in the solution?

- A. $3 \times 10^{-2} \text{M}$
- B. $1 \times 10^{-3} \text{M}$
- C. $1 \times 10^{-2} \text{M}$
- D. $3 \times 10^{-3} \text{M}$

Mathematics

25 Questions • Answer Key

Q41 Mathematics

Find the third proportional to $a^3 - b^3$ and $a^2 + b^2 + ab$, when $a = 16$ and $b = 12$.

- A. 160
- B. 158
- C. 150
- D. 148

Q42 Mathematics

Which of the following numbers is divisible by both 17 and 13?

- A. 22372
- B. 21658
- C. 21401
- D. 20049

Q43 Mathematics

What is the mode of the following data?

50, 43, 40, 51, 44, 46, 40, 43, 41, 45, 46, 40, 45, 47, 45, 49, 47, 40

- A. 40
- B. 45
- C. 46
- D. 43

Q44 Mathematics

Simplify: $(3.6 \times 2.5) - (4.8 \div 1.6) + (3.2 \times 0.5)$

- A. 7.4
- B. 7.6
- C. 7.2
- D. 7.8

Q45 Mathematics

A dealer buys two articles X and Y for ₹3,400 each. He marks each of them at the same price. He sells X by giving two successive discounts of 10% and 50% and still earns ₹323 as profit. If he sells Y at a single discount of 28%, then what is the profit percentage on Y?

- A. 74%
- B. 75%
- C. 74.2%
- D. 75.2%



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Q46 Mathematics

A, B, and C invested money in the ratio of 2 : 3 : 4 for periods in the ratio of 6 : 4 : 3, respectively. If the total profit is ₹1,32,000, what is the share of C?

A. ₹44,000



B. ₹45,000

C. ₹42,000

D. ₹43,000

Q47 Mathematics

Given that $74^{0.45} = x$, $74^{0.12} = y$ and $x^z = y^2$, then the value of z is close to:

A. 2.52

B. 3.99

C. 1.45

D. 0.53

**Q48 Mathematics**

The price of a laptop increased by 20% in the first month, then decreased by 10% in the second month, and increased again by 15% in the third month. If the original price of the laptop was ₹1,20,000, what is the final price after these three changes?

A. ₹1,42,800

B. ₹1,38,000

C. ₹1,49,040



D. ₹1,41,000

Q49 Mathematics

Two persons A and B start from the same point. A walks at 5 km/h. After 't' hours B starts and catches A after 2 hours of his own walking. If B's speed is 8 km/h, what is the value of 't'?

A. 1.4

B. 1.5

C. 1.3

D. 1.2

**Q50 Mathematics**

In a class, there are 36 boys and 24 girls. By what percentage should the number of girls be increased so that it becomes equal to the number of boys?

A. 50%



B. 40%

C. 30%

D. 60%

Q51 Mathematics

In a family, the sum of the ages of a father and son is 50 years. 10 years from now, the difference in their ages will be 20 years. Find the ratio of the son's age to the father's age.

A. 3:7



B. 2:7

C. 4:7

D. 5:8

Q52 Mathematics

What sum of money (in ₹) will yield ₹700 as simple interest in 2 years at 8% per annum?

A. 4575

B. 3875

C. 4775

D. 4375

**Q53 Mathematics**

When one-third of a number is increased by 10, the result is 65. Find the sum of the digits of the original number.

A. 14

B. 9

C. 12



D. 11

Q54 Mathematics

If 40 pages are printed in 5 minutes by a printer, how many pages will be printed in 3 hours?

A. 1810

B. 1560

C. 1620

D. 1440



Q55 Mathematics

A can do a piece of work in 63 hours; B and C together can do it in 48 hours, while A and C together can do it in 36 hours. How long (in hours) will B alone take to do it?

A. 112



B. 113

C. 114

D. 111

Q56 Mathematics

The average age of six girls increases by four months, if a 12 - year old girl is replaced by a new girl. The age of the new girl is:

A. 14 years



B. 13 years

C. 15 years

D. 16 years

Q57 Mathematics

During a sale, 44% of the goods are sold at a profit of 47%. Of the remaining goods, 25% are sold at a profit of 22%, and the rest are sold at a loss of 38%. If the overall profit is x%, what is the value of x?

A. 18.5

B. 18

C. 7.8



D. 12.4

Q60 Mathematics

If $a + b = 12$ and $ab = 8$ then the numerical value of $\left(\frac{a}{b} + \frac{b}{a}\right)$ will be:

A. 16



B. 20

C. 14

D. 12

Q58 Mathematics

A can complete a piece of work in 10 days and B can complete the same work in 15 days, when each works individually. Both A and B work together for 3 days. After that, B leaves the work, and A alone completes the remaining work. How many days will A take to finish the remaining work alone?

A. 10 days

B. 5 days



C. 6 days

D. 8 days

Q59 Mathematics

A trapezium has parallel sides of lengths 17 cm and 29 cm, and the distance between them is 15 cm. What is the area of the trapezium?

A. 325 cm²

B. 315 cm²

C. 335 cm²

D. 345 cm²



Q61 Mathematics

$$2\frac{2}{3} \div \frac{1}{3}$$

A. 2

B. $\frac{1}{3}$ C. $\frac{2}{3}$ D. 3 **Q62 Mathematics**

The salary of Mina is ₹80,000. Out of which she deposits x% amount at 15% simple interest. If the accumulated amount for the money deposited after 3 years is ₹17,400, then find the value of x.

A. 25

B. 15 

C. 12

D. 20

Q63 Mathematics

A cylindrical rod has an outer curved surface area of 7900 cm^2 . If the length of the rod is 3 cm, then the outer radius (in cm) of the rod, correct to two places of decimal, is:

(Take $\pi = \frac{22}{7}$)

A. 418.94 

B. 417.52

C. 420.85

D. 419.12

Q64 Mathematics

G is the centroid of the equilateral triangle ABC. If AB = 36 cm, then length (in cm) of AG is:

A. $10\sqrt{3}$ B. $8\sqrt{6}$ C. $12\sqrt{3}$ D. $6\sqrt{6}$ 

Q65 Mathematics

Find the value of $38 - [27 - (90 \div 5 - (12 - 18 \div 6) \div 3)]$.

- A. 24
- B. 25
- C. 22
- D. 26

**General Intelligence & Reasoning**

25 Questions • Answer Key

Q66 General Intelligence & Reasoning

What should come in place of ? in the given series based on the English alphabetical order?

GXK OFS WNA EVI ?

- A. MDQ
- B. MDO
- C. MDR
- D. MRF

**Q67 General Intelligence & Reasoning**

In a certain code language, 'never fear life' is coded as 'ro sb kp' and 'now or never' is coded as 'sb tg ct'. How is 'never' coded in the given language? (All the codes are two-letter codes only.)

- A. kp
- B. sb
- C. tg
- D. ct

**Q68 General Intelligence & Reasoning**

Seven people, A, K, Q, D, E, F and N, are sitting in a row, facing north. D sits sixth from the right end of the row. Only three people sit between F and D. E is the immediate neighbour of Q and N. K sits second to the left of N. Who sits third to the left of A?

- A. K
- B. Q
- C. D
- D. E

**Q69 General Intelligence & Reasoning**

All the individual letters in the word PICKLED are arranged in alphabetical order. How many letters are there in the English alphabetical order between the letter which is second from the left and the one which is fourth from the right in the new letter cluster thus formed?

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

**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 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. JO – HM
- B. PU – MR
- C. CH – AF
- D. FK – DI

**Q71 General Intelligence & Reasoning**

Ap, Bx, Cu, Dk, Ey, Fn and Gm are sitting around a circular table facing the centre. Dk sits to the immediate right of Bx. Cu is the immediate neighbour of Ey and Dk. Fn sits second to the right of Ap. What is the position of Gm with respect to Ey?

- A. Second to the left
- B. Immediate left
- C. Third to the right
- D. Second to the right



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Q72 General Intelligence & Reasoning

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

(Left) S I C X Z O A K L N T E W A Q D F H G U K O (Right)

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

A. Two



B. One

C. Three

D. None

Q73 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 T related to K if 'T ÷ G - D + M x K'?

A. Father

B. Wife's brother

C. Wife's father



D. Brother

Q74 General Intelligence & Reasoning

Shreya is the wife of Govind. Govind is the brother of Harshit. Harshit is the father of Mahak. Mahak is the sister of Aditya. How is Shreya related to Aditya?

A. Mother's brother's wife

B. Mother's brother's daughter

C. Father's brother's daughter

D. Father's brother's wife

**Q75 General Intelligence & Reasoning**

Keval starts from point Y and drives 77 km towards North. He then takes a right turn, drives 34 km, turns right and drives 36 km. He then takes a right turn and drives 65 km. He then 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. 33 km towards north

B. 30 km towards east

C. 29 km towards west

D. 31 km towards east

**Q76 General Intelligence & Reasoning**

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

$$8 \div 2 + 14 \times 7 - 7 = ?$$

A. 18

B. 14

C. 12

D. 21

**Q77 General Intelligence & Reasoning**

Mr. Ok starts from Point O and drives 7 km towards the west. He then takes a right turn, drives 7 km, turns right and drives 2 km. He then takes a left turn and drives 6 km. He then takes a right turn and drives 19 km. He then takes a right turn and drives 16 km. He then takes a final right 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 O again? (All turns are 90 degrees turns only unless specified.)

A. 3 km towards North



B. 4 km towards South

C. 4 km towards East

D. 3 km towards West

Q78 General Intelligence & Reasoning

If 'P' stands for 'x', 'Q' stands for '÷', 'R' stands for '-' and 'S' stands for '+', then what will come in place of the question mark (?) in the following equation?

$$53 R 61 S 96 P 3 Q 2 S 28 P 6 R 99 Q 3 S 32 = ?$$

A. 365

B. 303



C. 328

D. 348

Q79 General Intelligence & Reasoning

In a row of 47 people facing north, Kamu sits 12th from the left end. If only 12 people sit to the right of Tara, then how many people sit between Kamu and Tara?

A. 19

B. 20

C. 21

D. 22



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Q80 General Intelligence & Reasoning

GDFH is related to JGIK in a certain way based on the English alphabetical order. In the same way, OLNP is related to ROQS. To which of the given options is TQSU related, following the same logic?

A. VTWY

B. WTVX



C. WUTX

D. WTUX

Q81 General Intelligence & Reasoning

What should come in place of ? in the given series based on the English alphabetical order?

CHM FKK INI LQG ?

A. OTE



B. OLI

C. HGY

D. NHG

Q82 General Intelligence & Reasoning

The position(s) of how many letters will remain unchanged if each letter in the word EDUCATORS is arranged in English alphabetical order?

A. Four

B. None



C. One

D. Two

Q83 General Intelligence & Reasoning

What should come in place of '?' in the given series?

29 35 46 52 63 ?

A. 71

B. 69



C. 67

D. 70

Q84 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.

GAU : JDX

REF : UHI

A. QEW : SGY

B. SYI : UZL

C. ZTD : CWH

D. CNH : FQK

**Q85 General Intelligence & Reasoning**

What should come in place of '?' in the given series?

7 21 63 189 567 ?

A. 1700

B. 1703

C. 1701



D. 1702

Q86 General Intelligence & Reasoning

AD 24 is related to BE 12 in a certain way. In the same way, KN 68 is related to LO 34. To which of the following is HK 42 related, following the same logic?

A. JL 31

B. JM 33

C. IM 21

D. IL 21

**Q87 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 4 3 6 7 8 9 9 6 6 3 3 7 8 8 1 7 5 3 (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. NONE

C. THREE



D. TWO



Q88 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. DF-BD
- B. UW-SU
- C. IK-FK
- D. OQ-MO

Q89 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. C is not kept below G. Only five boxes are kept below E. Only one box is kept between C and E. B is kept above A but below G. F is not the topmost box. Which box is kept immediately below F?

- A. E
- B. D
- C. C
- D. B

Q90 General Intelligence & Reasoning

In a certain code language, 'mind your business' is coded as 'gv tr fy' and 'your turn now' is coded as 'cb gv kq'. How is 'your' coded in the given language? (All the codes are two-letter codes only.)

- A. tr
- B. gv
- C. fy
- D. kq

General Awareness

10 Questions • Answer Key

Q91 General Awareness

Which Indian classical dance form originated in the southern state of Tamil Nadu and is traditionally performed in temples as a devotional offering?

- A. Odissi
- B. Bharatanatyam
- C. Kathak
- D. Mohiniyattam

Q92 General Awareness

Who among the following appoints the members of the State Public Service Commission (SPSC) under Article 316 of the Constitution of India?

- A. Governor of the State
- B. Chief Justice of the High Court
- C. Prime Minister of India
- D. President of India

Q93 General Awareness

In which year did India completely eliminate Quantitative Restrictions (QRs) on imports as part of trade liberalization?

- A. 1998
- B. 1996
- C. 2001
- D. 2005

Q94 General Awareness

According to the Ministry of Defence, what was India's highest-ever defence production in 2024-25?

- A. ₹1.54 Lakh Crore
- B. ₹3.14 Lakh Crore
- C. ₹2.54 Lakh Crore
- D. ₹2.94 Lakh Crore



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Q95 General Awareness

What is the focus of the 6G research project at IIIT-Naya Raipur funded under DST's TTDF scheme?

- A. Creating an AI-driven telecom cloud platform
- B. Developing a prototype for 6G cell-free communication ✓
- C. Expanding smartphone production facilities
- D. Building a 50-qubit quantum computer

Q96 General Awareness

PM Modi unveils how many Global Initiatives at the G20 Johannesburg Summit 2025?

- A. Four
- B. Six ✓
- C. Five
- D. Seven

Q97 General Awareness

India shares a *maritime boundary* (sea boundary) with which one of the following countries across the Arabian Sea or the Indian Ocean?

- A. Mongolia
- B. Afghanistan
- C. Maldives ✓
- D. Russia

Q98 General Awareness

Provincial autonomy in provinces in place of dyarchy was introduced by which of the following British Indian government legislations?

- A. Indian Councils Act of 1892
- B. Government of India Act of 1935 ✓
- C. Government of India Act of 1919
- D. Indian Councils Act of 1909

Q99 General Awareness

Which among the following battles in 1757 marked the beginning of British political control in India?

- A. Battle of Seringapatam
- B. Battle of Buxar
- C. Battle of Colachel
- D. Battle of Plassey ✓

Q100 General Awareness

The Henley Passport Index 2025 ranks India at which rank globally?

- A. 86
- B. 83
- C. 84
- D. 85 ✓

