



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०९/२०२५-७ वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 09/2025 - Various Posts in Level 1 of 7th CPC Pay Matrix



RRB Group D 2025

Level-1 · CEN 09/2025 · Question Paper Compilation

English

All 48 Shifts (Sets) · Official Answer Key

About this Compilation

This booklet compiles all **48 shift papers** of the **RRB Group D (Level-1) 2025** examination (CEN 09/2025) 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 are grouped by subtopic within each section, so similar questions sit together.
- Diagram and wide-table questions appear at the end of their section at full width.
- The correct answer is highlighted in green with a tick.

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General Science

25 Questions • Answer Key

Q1 Atomic Structure & Models

Which property of isotopes remains unchanged?

- A. Atomic mass
- B. Nuclear stability
- C. Physical properties
- D. Chemical properties ✓

Q2 Atoms & Molecules

Calculate the formula unit masses of ZnO , Na_2O , if given atomic masses of $\text{Zn} = 65 \text{ u}$, $\text{Na} = 23 \text{ u}$, and $\text{O} = 16 \text{ u}$.

- A. $\text{ZnO} = 81\text{u}$ and $\text{Na}_2\text{O} = 39 \text{ u}$.
- B. $\text{ZnO} = 81\text{u}$ and $\text{Na}_2\text{O} = 62 \text{ u}$. ✓
- C. $\text{ZnO} = 48\text{u}$ and $\text{Na}_2\text{O} = 62 \text{ u}$.
- D. $\text{ZnO} = 18\text{u}$ and $\text{Na}_2\text{O} = 62 \text{ u}$.

Q3 Basic Organic Chemistry

Which property of ethanol makes it suitable for use as a solvent in medicines?

- A. It is acidic in nature
- B. It is highly flammable
- C. Solubility ✓
- D. It forms esters

Q4 Basic Organic Chemistry

Which statement correctly describes the solubility of ethanol?

- A. Completely miscible with water ✓
- B. Insoluble in water
- C. Slightly soluble in water
- D. Soluble only in acids

Q5 Biology

A botanist observes a dormant seed with no visible growth or movement. How can the botanist determine whether the seed is alive?

- A. Wait only for visible growth before deciding
- B. Test whether the seed can move independently
- C. Conclude it is not alive if it shows no movement
- D. Monitor its internal metabolic activity ✓

Q6 Current Electricity (Ohm's Law, Circuits)

If a bulb is rated at 60 W and operates at 120 V , what is the current flowing through the bulb?

- A. 0.5 A ✓
- B. 2.0 A
- C. 1.2 A
- D. 0.25 A

Q7 Current Electricity (Ohm's Law, Circuits)

Why are alloys preferred for the heating elements in devices like toasters?

- A. They are insulators
- B. They have higher resistivity and do not oxidise readily at high temperatures ✓
- C. They are good electrical conductors with low resistivity
- D. They have a low melting point

Q8 Ecosystem & Food Chain

Which type of organisms is always found at the beginning of a food chain?

- A. Carnivore
- B. Producer ✓
- C. Herbivore
- D. Decomposer

Q9 Ecosystem & Food Chain

Why do non-biodegradable substances show biological magnification?

- A. They provide energy to organisms
- B. They are not taken up by organisms
- C. They persist in organisms ✓
- D. They are broken down quickly by organisms



Q10 Electromagnetic Spectrum

A water purification system uses electromagnetic energy to kill bacteria. Which region of the spectrum is being utilised for this function?

- A. Visible part of the spectrum
- B. Gamma part of the spectrum
- C. Infrared part of the spectrum
- D. Ultraviolet part of the spectrum



Q11 Extraction & Metallurgy

A mineralogist discovers a new metallic ore in the earth's crust. If the ore is primarily a sulphide, the metal is most likely to belong to the:

- A. Middle of the activity series
- B. Bottom of the activity series
- C. Noble gases, which do not form ores
- D. Top of the activity series



Q12 Global Warming & Climate Change

A coastal region experiences algal blooms and coral bleaching after unusually high global temperatures. Which interaction between Earth's spheres best explains this effect?

- A. Ocean warming lowers CO₂ absorption and stresses marine life
- B. Increased river flow improves the overall coral reef growth
- C. Land plant growth completely replaces marine ecosystem loss
- D. Reduced sunlight increases rate of photosynthesis in oceans



Q13 Light & Optics

Why does the sky appear blue to human observers during daytime?

- A. Red light is scattered more than blue light due to its longer wavelength
- B. Blue light is scattered more than red light due to its shorter wavelength
- C. All wavelengths are scattered equally in the atmosphere
- D. Blue light is absorbed and re-emitted by atmospheric particles



Q14 Mechanics

What does a position-time graph with a straight line parallel to the time axis represent in the context of an object's motion?

- A. The object accelerates over time
- B. The object moves with uniform speed over time
- C. The object is at rest, covering no distance over time
- D. The object moves with varying speed



Q15 Mixtures, Solutions, Colloids

A solution contains 20 grams of salt dissolved in 80 grams of water. What is the concentration of the solution in terms of mass by mass percentage?

- A. 20%
- B. 30%
- C. 25%
- D. 45%



Q16 Nervous System & Brain

In a neuron, what are the short, branched fibres that receive impulses from other neurons called?

- A. Cartilage discs
- B. Muscle fibres
- C. Axons
- D. Dendrites



Q17 Newton's Laws of Motion

When a net force acts on a body, what does Newton's second law predict will happen to the body?

- A. The body will remain stationary
- B. The body will always move in the opposite direction
- C. The body will accelerate in the direction of the force
- D. The body will move at constant speed



Q18 Plant Biology

The process in plants that involves the breakdown of glucose to release energy is called:

- A. Respiration
- B. Transpiration
- C. Excretion
- D. Photosynthesis



Q19 Plant Tissues & Transport

Since parenchyma tissue mainly stores food and other materials, its cells require enough internal space. Therefore, parenchyma cells are generally _____.

- A. Tightly packed without spaces
- B. Loosely packed with intercellular spaces ✓
- C. Dead and hollow
- D. Hardened with minerals

Q20 Properties & Tests

When hydrochloric acid reacts with sodium hydroxide, what is formed as a result of the neutralization reaction?

- A. Acid only
- B. Gas only
- C. Salt and water ✓
- D. Base only

Q21 Reflection & Refraction

The speed of a light ray changes from 3×10^8 m/s in air to 2×10^8 m/s in a transparent solid. What is the refractive index of the solid with respect to air? (Take the refractive index of air as 1.)

- A. 1.5 ✓
- B. 1.7
- C. 1.2
- D. 1.4

Q22 Types (Combination, Decomposition, etc.)

Consider the following reactions:

- (I) $\text{CaCO}_3(\text{s}) \xrightarrow{\text{Heat}} \text{CaO}(\text{s}) + \text{CO}_2(\text{g})$
- (II) $2\text{AgCl}(\text{s}) \xrightarrow{\text{Sunlight}} 2\text{Ag}(\text{s}) + \text{Cl}_2(\text{g})$
- (III) $2\text{H}_2\text{O}(\text{l}) \xrightarrow{\text{Electric current}} 2\text{H}_2(\text{g}) + \text{O}_2(\text{g})$
- (IV) $\text{Fe}(\text{s}) + \text{CuSO}_4(\text{aq}) \rightarrow \text{FeSO}_4(\text{aq}) + \text{Cu}(\text{s})$

Which of the above reactions correctly represent decomposition reactions?

- A. Only I and II reactions
- B. Only II and III reactions
- C. Only III and IV reactions
- D. Only I, II and III reactions ✓

Q23 Ultrasound & Applications

What is the key reason for ultrasound to be used in cleaning delicate electronic components?

- A. It chemically alters the material for cleaning
- B. It scratches the surface to remove debris
- C. It melts the components for better cleaning
- D. It removes dirt without causing physical damage ✓

Q24 Work, Energy & Power

Which of the following best describes kinetic energy?

- A. The energy contained in chemical bonds
- B. The energy an object stores in its position
- C. The energy an object has due to its motion ✓
- D. The energy related to temperature changes

Q25 Work, Energy & Power

The kinetic energy of a body increases from 40 J to 140 J. What is the net work done on the body?

- A. 100 J ✓
- B. 200 J
- C. 50 J
- D. 150 J



Q26 Average Speed

A tourist bus covers a distance of 500 kilometers. It travels the first 40% of the distance at a speed of 80 km/hr and the rest of the distance at 75 km/hr. If it takes a 30-minute stop for lunch during the journey, what is the average speed for the entire trip? (Rounded off to two decimal places.)

- A. 72.54 km/hr
- B. 75 km/hr
- C. 71.43 km/hr** ✓
- D. 76.92 km/hr

Q27 Basic Percentage

A family earns ₹50,000 per month and spends ₹35,000. What percentage of the income is saved?

- A. 30%** ✓
- B. 25%
- C. 20%
- D. 15%

Q28 Basic TSD

Kaushal travelled for 16 hours 20 minutes at the speed of 90 km/h. At what speed (in km/h) should he travel to cover the same distance in 14 hours?

- A. 102
- B. 103
- C. 104
- D. 105** ✓

Q29 CP-SP Relation

An article is sold at a profit of 20%. If the selling price had been increased by ₹100, the profit percentage would have doubled. What was the cost price of the article?

- A. ₹250
- B. ₹500** ✓
- C. ₹400
- D. ₹200

Q30 Grouped Data Median

Find the median from the following data.

Class interval x	f
20-40	4
40-60	6
60-80	10
80-100	12
100-120	8

- A. 82
- B. 80** ✓
- C. 78
- D. 75

Q31 HCF/LCM Word Problems

A blue light blinks every 6 seconds and a red light blinks every 9 seconds. After how many seconds will both lights blink together again?

- A. 9 seconds
- B. 18 seconds** ✓
- C. 3 seconds
- D. 12 seconds

Q32 Half-Yearly Compounding

Find the ratio of compound interest on ₹10,000 for 1 year at the rate 8% compounded half-yearly and yearly.

- A. 53 : 45
- B. 62 : 49
- C. 61 : 52
- D. 51 : 50** ✓

Q33 Half-Yearly Compounding

A sum of ₹10,000 is invested for 2 years at 20% per annum interest, compounded half-yearly. What is the compound interest earned at the end of 2 years?

(use $(1.10)^4 = 1.4641$)

- A. ₹4,641** ✓
- B. ₹4,440
- C. ₹4,660
- D. ₹4,461



Q34 Laws of Indices

Given that $113^{0.99} = x$, $113^{0.77} = y$ and $x^2 = y^z$, then the value of z is close to:

A. 1.48

B. 1.56

C. 3.04

D. 2.89

Q35 Leak Based

A pipe can fill a cistern in 8 hours. Due to a leak at the bottom, it is filled in 10 hours. In how many hours can the leak alone empty the full cistern?

A. 40 hours

B. 45 hours

C. 30 hours

D. 35 hours

Q36 MP with Discount and Profit

A trader gains 72% by selling an article after two successive discounts of 50% and 14% on its marked price. If the cost price of the article is increased by 36%, then what single discount should he now give on the same marked price to get the same profit percentage as earlier?

A. 41.52%

B. 40.56%

C. 47.46%

D. 46.78%

Q37 Mean Proportional

Which value is the mean proportional between 18 and 45?

A. $20\sqrt{7}$

B. $9\sqrt{10}$

C. $25\sqrt{5}$

D. $10\sqrt{17}$

Q38 Melting & Recasting

A cylinder of height 72 cm and base radius 16 cm is melted to form a sphere. Find the radius of the sphere.

A. 22 cm

B. 26 cm

C. 24 cm

D. 20 cm

Q39 Mode

In a moderately skewed data distribution, the ratio of the arithmetic mean to the median is 4 : 5. If the sum of the mean and the median is 90, what is the mode of this distribution?

A. 70

B. 65

C. 75

D. 60

Q40 Proportion

Find the fourth proportional to 8.6, 10.75, and 6.

A. 7

B. 7.2

C. 7.5

D. 7.25

Q41 Surface Area (TSA/LSA)

The length of a side of a cube is $(2x - 5)$ cm. What is total surface area of the cube?

A. $4x^2 - 20x + 25$

B. $6(4x^2 - 20x - 25)$

C. $6x^2 - 30x + 25$

D. $24x^2 - 120x + 150$

Q42 Two Items Mixing

If 4 kg of rice costing ₹40 per kg is mixed with 6 kg of rice costing ₹50 per kg, what is the price per kg of the mixture (in ₹)?

A. 46

B. 44

C. 48

D. 50

Q43 Two Successive Changes

A company's revenue increases by 40% in one quarter and then decreases by 20% in the next. If the initial revenue was ₹1,00,000, what is the final revenue?

A. ₹1,08,000

B. ₹1,14,000

C. ₹1,12,000

D. ₹1,20,000



Q44 Value Decrease Over Time

A machine is purchased for ₹18,200 and its value decreases by 10% every year. If the depreciation is compounded annually, what will be the value of the machine after 2 years?

A. ₹16,480

B. ₹13,424

C. ₹15,200

D. ₹14,742

**Q45 Volume**

A cube of edge 20 cm is immersed completely in a rectangular vessel containing water. The measurements of the vessel are 25 cm × 25 cm. Find the rise (in cm) of water level.

A. 16.5

B. 20

C. 8

D. 12.8

**Q46 Order of Operations**

Simplify: $\frac{\frac{7}{2} \div \frac{3}{2} \times \frac{5}{2}}{8 \div \frac{5}{2} \text{ of } \frac{1}{2}} \div \frac{25}{8}$.

A. $\frac{11}{24}$

B. $\frac{5}{24}$

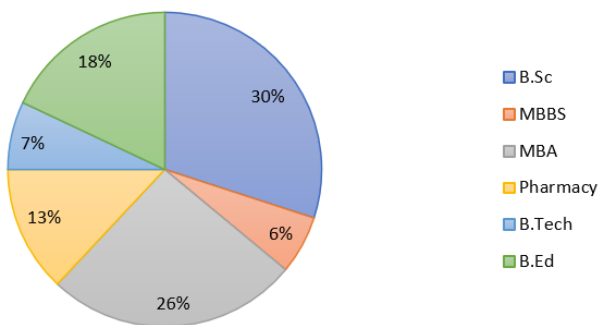
C. $\frac{13}{24}$

D. $\frac{7}{24}$

**Q47 Percentage Based**

In the following pie chart, the percentage distribution of students in different courses are shown. What is the total number of students in B.Ed., Pharmacy and MBBS together?

Total number of students = 6800



A. 2145

B. 2645

C. 2516

D. 2428



Q48 Pythagorean Identities

Find the value of $(\sin A + \operatorname{cosec} A)^2 + (\cos A + \sec A)^2 + (\operatorname{cosec}^2 A - \sec^2 A)$.

A. $2\cot^2 A$ B. $7 - 2\cot^2 A$ C. $7 + 2\cot^2 A$ ✓D. $-2\cot^2 A$ **Q49** Pythagorean Identities

Simplify: $(\sec A + \tan A) \times (1 - \sin A) \times \sec A$

A. 0.5

B. 0

C. 2

D. 1 ✓

Q50 Sector Area & Arc Length

For a circle of diameter 16 cm, the area of a sector is $\frac{16\pi}{3} \text{ cm}^2$. The angle of the sector is

A. 60° B. 15° C. 30° ✓D. 45° **General Intelligence & Reasoning**

30 Questions • Answer Key

Q51 Alpha-Numeric Series

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

(Left) G Q E F O E E U H U R O M O U Y O B Z I S W (Right)

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

A. 3

B. 4

C. 1

D. 2 ✓

Q52 Alpha-Numeric Series

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

(Left) K I F R I Z O K U F U I I F U K Y X A B (Right)

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

A. Three

B. Two ✓

C. Four

D. One



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Q53 Alphabetical Pattern

What should come in place of ? in the given series based on the English alphabetical order?
DWF ISG NOH SKI ?

A. YGJ

B. ZGL

C. YHK

D. XGJ

**Q54 Floor/Building Arrangement**

Seven boxes, A, B, C, D, E, F and G, are kept one over the other, but not necessarily in the same order. Only three boxes are kept above G. Only five boxes are kept above C. Only two boxes are kept between D and C. E is kept immediately below B. A is not the bottommost box. Which box is kept immediately above F?

A. G

B. D

C. C



D. A

Q55 Floor/Building Arrangement

E, F, G, H, L and M live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on, till the topmost floor is numbered 6. G lives on an even numbered floor but not on floor number 4. Only two people live between G and M. E lives on an odd numbered floor but not on the lowermost floor. Only two people live between E and F. L lives immediately below E. How many people live between H and L?

A. Three

B. Four

C. Two



D. One

Q56 Floor/Building Arrangement

Seven boxes B, F, G, H, R, T and Y kept one over the other but not necessarily in the same order. Only three boxes are kept above Y. Only one box is kept between B and Y. Only three boxes are kept between B and G. G is kept at some place above Y. T is kept immediately below G. F is kept at one of the places above H. R is not kept immediately above or below B. How many boxes are kept below Y?

A. 1

B. 4

C. 2

D. 3

**Q57 Letter to Number Mapping**

In a certain code language, 'MINT' is coded as '2674' and 'TIME' is coded as '6827'. What is the code for 'E' in the given code language?

A. 8



B. 6

C. 7

D. 2

Q58 Letters in a Given Word

This question is based on the given words.

(Left) ABS DON WER FIR (Right)

In each of the words, each vowel 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. In how many letter-clusters thus formed, will no vowel appear?

A. One

B. Four

C. Two



D. Three

Q59 Letters in a Given Word

This question is based on the given words.

FED BAT RIB TOP

In each of the words, each vowel 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. In how many letter-clusters thus formed, will no vowel appear?

A. Four

B. One

C. None



D. Two

Q60 Letters in a Given Word

Each vowel in the word SAENCHY 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. None

B. Three

C. Two

D. One



Q61 Linear Family Relations

L is the brother of C. N is the brother of R. T is the father of N. R is the daughter of C. How is L related to N?

- A. Sister's son
- B. Brother's son
- C. Mother's brother ☒
- D. Sister's daughter

Q62 Mathematical Operations

If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 6247518, what will be the sum of the digits that are second from the left and second from the right in the new number thus formed?

- A. 2 ☒
- B. 4
- C. 8
- D. 6

Q63 Missing Number

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

211 239 253 281 295 323 ?

- A. 355
- B. 339
- C. 337 ☒
- D. 345

Q64 Operation Based

2 is related to 10 following a certain logic. Following the same logic, 4 is related to 18. To which of the following is 45 related, following the same logic?

(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.)

- A. 182 ☒
- B. 180
- C. 178
- D. 184

Q65 Operation Based

63 is related to 21 following a certain logic. Following the same logic, 84 is related to 42. To which of the given options is 105 related, following the same logic? (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 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.)

- A. 63 ☒
- B. 52
- C. 40
- D. 71

Q66 Operator Swap

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

$$6 \div 5 + 10 \times 2 - 5 = ?$$

- A. 34
- B. 28
- C. 30 ☒
- D. 35

Q67 Operator Swap

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

$$26 - 27 \times 3 \div 5 + 33 = ?$$

- A. 42
- B. 38 ☒
- C. 36
- D. 40

Q68 Pattern Based

Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

AJM : IRU

OTP : WBX

- A. BIL : JQT ☒
- B. CWA : KOI
- C. QLP : WTX
- D. NIT : FQB



Q69 Pattern Based

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

SHOW : HSOW : HSWO

PAIR : APIR : APRI

A. CARE : ACER : ACRE

B. ZEAL : EZAL : EZLA

C. FIND : IFND : FNID

D. GAWK : AWGK : AGWK

Q70 Pattern Based

XYME is related to ABPH in a certain way based on the English alphabetical order. In the same way, LFHU is related to OIKX. To which of the following is INGV related, following the same logic?

A. LRKY

B. KPIX

C. LQJY

D. LRJZ

Q71 Position Pattern

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. OM - LJ

B. MK - HY

C. RP - OM

D. TR - QO

Q72 Position Pattern

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. RS-WX

B. EF-IM

C. AB-FG

D. VW-AB

Q73 Rearrangement of Letters

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

A. One

B. None

C. Two

D. Three

Q74 Shortest Distance

Rajesh starts from Point A and drives 51 km towards the east. He then takes a right turn, drives 56 km, turns right and drives 56 km. He then takes a right turn and drives 65 km. He takes a final right turn, drives 5 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 12 km to the north

B. 10 km to the south

C. 10 km to the north

D. 9 km to the south

Q75 Single Row (One-way/Both-way)

Six people, C, D, E, O, P and Q, are sitting in a row, facing north.

Only four people sit between O and Q. C sits to the immediate left of Q. Only one person sits between C and E. P sits at some place to the left of D.

How many people sit between P and D?

A. Two

B. None

C. One

D. Three

Q76 Single Row (One-way/Both-way)

Seven people C, D, J, R, T, V and Y are sitting in a row, facing north. Only two people sit to the left of T. Only three people sit between Y and J, neither of whom sits on the extreme ends. R sits immediately to the right of D. C sits immediately to the left of Y. How many people sit to the left of J?

A. Two

B. Five

C. Four

D. One



Q77 Symbol Based

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

How is S related to U if 'S # M - H @ Y % U'?

A. Brother



B. Son

C. Father

D. Husband

Q78 Symbol Included Pattern

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

(Left) 5 # 7 @ 2 % 8 & 4 \$ 3 ! 9 * 6 (Right)

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

A. Three

B. One

C. Four

D. Six

**Q79 Two Statement Syllogism**

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

Statements:

All vines are stars.
No star is a rug.

Conclusions:

I: No rug is a vine.

II: Some rugs are vines.

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

B. Only conclusion (I) follows



C. Only conclusion (II) follows

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

Q80 Two Statement Syllogism

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

Statements:

All bags are purses.
No purse is a suitcase.

Conclusions:

(I) No bag is a suitcase.

(II) Some suitcases are purses.

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

B. Only conclusion (I) follows



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

D. Only conclusion (II) follows

General Awareness

20 Questions • Answer Key

Q81 Civilian Awards

Dr. N Rajam, who was conferred with the Padma Vibhushan in May 2026, is a renowned _____.

A. Guitar maestro

B. Violin maestro



C. Tabla maestro

D. Sitar maestro

Q82 Conflicts & Peace Processes

Which of the following straits did Iran close in March 2026 due to the war with the USA?

A. Strait of Gibraltar

B. Bab-el-Mandeb

C. Strait of Malacca

D. Strait of Hormuz



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Q83 Economic Current Affairs

According to the Economic Survey 2025–26, India's extreme poverty rate for 2022–23, based on the revised international poverty line, was estimated at what level?

A. 11.2%

B. 14.9%

C. 5.3%



D. 8.7%

Q84 Environment Current Affairs

Which organization revoked all actions under Stage-I of GRAP (Graded Response Action Plan) in the National Capital Region (NCR) in March 2026?

A. Delhi Pollution Control Committee

B. Central Pollution Control Board

C. Ministry of Environment, Forest and Climate Change

D. Commission for Air Quality Management

**Q85 India's Foreign Relations**

In February 2026, which city was the meeting place for Prime Minister of India Narendra Modi and the President of France?

A. New York

B. Paris

C. Mumbai



D. Rome

Q86 International Awards

Which Indian film achieved a major milestone by being shortlisted for the 98th Academy Awards in the Best International Feature Film category?

A. Homebound



B. All We Imagine as Light

C. Laapataa Ladies

D. Chhello Show

Q87 International Sports Awards

To commemorate the 70th anniversary of the Ballon d'Or award, the 2026 Ballon d'Or ceremony is scheduled to be held in which of the following cities?

A. London, England



B. Madrid, Spain

C. Rome, Italy

D. Paris, France

Q88 International Sports Awards

In April 2026, who among the following won the Laureus World Sportsman of the Year 2026 award?

A. Lionel Messi

B. Carlos Alcaraz



C. Max Verstappen

D. Rafael Nadal

Q89 Missile Tests & Systems

What is the name of the indigenous glide weapon system whose maiden flight was successfully tested by DRDO and IAF in May 2026?

A. TARA



B. SURYA

C. ANGIRA

D. VIRA

Q90 National Current Affairs

Which political party emerged as the single largest party by winning the general elections to the assembly constituencies of Tamil Nadu in 2026?

A. All India Anna Dravida Munnetra Kazhagam

B. Dravida Munnetra Kazhagam

C. Pattali Makkal Katchi

D. Tamilaga Vettri Kazhagam

**Q91 National Current Affairs**

In May 2026, strong winds and heavy rainfall affected 26 districts of which of the following states?

A. Uttar Pradesh



B. Bihar

C. Rajasthan

D. Madhya Pradesh

Q92 National Current Affairs

In 2026, the Central Bureau of Investigation busted a transnational network involved in trafficking Indian nationals into "Cyber Slavery" operations mainly based in which region?

A. Southeast Asia



B. Central Asia

C. Eastern Europe

D. West Asia



Q93 New Apps & Portals

Which premier research and development centre under the Department of Telecommunications indigenously developed the Integrated Alert System (SACHET) in 2026?

- A. Defence Research and Development Organisation (DRDO)
- B. Centre for Development of Telematics (C-DOT) ✓
- C. Centre for Development of Advanced Computing (C-DAC)
- D. Indian Space Research Organisation (ISRO)

Q94 RBI Policy Updates

Which edition of The Monetary Policy Committee (MPC) of the Reserve Bank of India was held **from April 6th to 8th, 2026**?

- A. 50th
- B. 70th
- C. 40th
- D. 60th ✓

Q95 Rankings & Reports

Which of the following agencies published the report on Ease of Doing Research and Development in India in April 2026?

- A. University Grants Commission
- B. NITI Aayog ✓
- C. National Bank for Agriculture and Rural Development
- D. Reserve Bank of India

Q96 Rate Changes

As of April 2026, the Monetary Policy Committee (MPC) of the RBI voted to keep the policy repo rate unchanged at what percentage?

- A. 4.75%
- B. 5.25% ✓
- C. 5.00%
- D. 5.50%

Q97 Recent ISRO Missions

In November 2025, ISRO successfully launched India's heaviest communication satellite also know as:

- A. CRM-7
- B. GSAT-6B
- C. CMS-03 ✓
- D. NAVIC-2

Q98 Recent Tournaments

Who won the men's long jump at the Indian Athletics Series 2026 with an 8.15-m leap?

- A. Murali Sreeshankar ✓
- B. Lokesh Sathyanathan
- C. Sunny Kumar
- D. Purushotham

Q99 Sports Current Affairs

Which of the following states organized the 'Aaroh 2026' summer sports initiative camp?

- A. Madhya Pradesh ✓
- B. Odisha
- C. Haryana
- D. Rajasthan

Q100 Treaties & Agreements

Which country signed a free trade agreement with the European Union in January 2026?

- A. Australia
- B. Kenya
- C. India ✓
- D. Singapore



General Science

25 Questions · Answer Key

Q1 Atomic Structure & Models

An element has an atomic number of 17. Based on the arrangement of charged particles in its atom, which statement best explains the number of electrons in its neutral state?

- A. It contains 8 electrons in the innermost shell alone.
- B. It has more electrons than protons due to its atomic mass.
- C. It contains 17 electrons to match the 17 neutrons present.
- D. It has 17 electrons to balance the 17 protons present. ✓

Q2 Basic Organic Chemistry

A student burns ethanol in air and observes a blue flame. Which statement best explains this observation?

- A. Ethanol produces a red flame when burned in air.
- B. Complete combustion produces a blue flame due to sufficient oxygen supply. ✓
- C. Impurities in ethanol cause the blue color of the flame.
- D. Incomplete combustion leads to a blue flame because of less oxygen.

Q3 Biology

Why do multicellular organisms need specialized systems for the intake of energy and exchange of materials, unlike unicellular organisms?

- A. They are much heavier than single-celled organisms
- B. They are completely unable to move from one place to another
- C. Single-celled organisms do not require cellular energy to survive
- D. Most internal cells lack direct contact with the external environment ✓

Q4 Chemical Reactions

A glass vessel contains a chemical reaction where no gas escapes or enters. According to the Law of Conservation of Mass, which situation is most accurate?

- A. The total mass after the reaction increases.
- B. The total mass after the reaction decreases.
- C. The total mass before the reaction is less than that after the reaction.
- D. The total mass before and after the reaction remains unchanged. ✓

Q5 Circulatory System (Heart, Blood)

Why do the ventricles of the heart have thicker muscular walls compared to the atria?

- A. They store more blood before each contraction
- B. They require more nerves for neural control
- C. They separate oxygenated and de-oxygenated blood
- D. They pump blood to organs throughout the body ✓

Q6 Current Electricity (Ohm's Law, Circuits)

If a resistor is connected to a voltage source and the resistance is halved while the voltage remains constant, what happens to the heat produced in a fixed time?

- A. The heat produced decreases to half its previous value
- B. The heat produced increases to twice its previous value ✓
- C. The heat produced increases to four times its previous value
- D. The heat produced remains unchanged

Q7 Ecology & Environment

Arrange the following steps of the water cycle in the correct order:

1. Condensation
2. Evaporation
3. Precipitation
4. Collection in water bodies

- A. 3 → 2 → 1 → 4
- B. 1 → 2 → 3 → 4
- C. 2 → 3 → 1 → 4
- D. 2 → 1 → 3 → 4 ✓

Q8 Five Kingdom Classification

A new microorganism is found that is unicellular, prokaryotic, and lacks a membrane-bound nucleus but can perform photosynthesis. According to the five kingdom classification, which kingdom is it placed in?

- A. Protista
- B. Fungi
- C. Monera ✓
- D. Plantae



Q9 Hydrocarbons (Methane, Ethane, etc.)

Which among the following molecular formulae of organic compounds does NOT represent a ring structure?

- A. C_6H_{10}
- B. C_6H_8
- C. C_6H_6
- D. C_6H_{14} ✓

Q10 Magnetic Effects of Current

What does a higher degree of closeness of magnetic field lines indicate?

- A. Weaker magnetic field at that region
- B. Stronger magnetic field at that region ✓
- C. Presence of electric field
- D. The field lines are about to cross

Q11 Mechanics

From a distance-time graph, how can the uniform speed of an object be calculated?

- A. By measuring the slope of the graph ✓
- B. By measuring the area under the graph
- C. By measuring the total time only
- D. By measuring the total distance only

Q12 Mechanics

While opening a bottle cap using a bottle opener, the resistance offered by the cap acts as the _____.

- A. Machine
- B. Effort
- C. Load ✓
- D. Energy source

Q13 Mirrors & Lenses

A student places a candle at a distance greater than twice the focal length from a convex lens. She observes the image formed on a screen. Which of the following best describes the image's nature, position, and size?

- A. The image is real, inverted, formed between the focal point and twice the focal length, and smaller than the object. ✓
- B. The image is virtual, erect, formed on the same side as the object, and larger than the object.
- C. The image is real, erect, formed beyond twice the focal length, and equal in size to the object.
- D. The image is virtual, inverted, formed at the focal point, and the same size as the object.

Q14 Mirrors & Lenses

A student places an object 18 cm from a converging lens of focal length 12 cm. The image formed is real. What is the magnification produced by the lens?

- A. + 1.5
- B. + 2
- C. - 1.5
- D. - 2 ✓

Q15 Mixtures, Solutions, Colloids

Which of the following mixtures best demonstrates a heterogeneous mixture at the macroscopic level?

- A. Salt and water
- B. Sugar and water
- C. Sand and Water ✓
- D. Nitrogen and Oxygen

Q16 Nervous System & Brain

Which part of the human brain is mainly involved in maintaining body balance?

- A. Pons
- B. Cerebrum
- C. Medulla
- D. Cerebellum ✓

Q17 Newton's Laws of Motion

If an object's mass is doubled while the applied force remains constant, what happens to its acceleration according to the formula for force?

- A. The acceleration remains unchanged
- B. The acceleration becomes zero
- C. The acceleration is halved ✓
- D. The acceleration is doubled



Q18 Physical & Chemical Properties

A shiny iron nail was left in four different conditions for several days.

- I. Dry air in a sealed container
- II. Water containing dissolved oxygen
- III. Water that had been boiled and then covered with oil
- IV. Moist air

In which of the above conditions will rusting of iron most likely occur?

- A. II, III and IV
- B. I, II and IV
- C. I and III only

D. II and IV only



Q19 Physical & Chemical Properties

Which statement best describes the electrical conductivity of non-metals in their pure form?

- A. Non-metals conduct electricity as metals do
- B. Non-metals do not conduct electricity
- C. Non-metals have high electrical conductivity
- D. Non-metals conduct electricity efficiently



Q20 Plant Biology

Which tissue is absent in the touch response of a sensitive plant?

- A. Epithelial tissue
- B. Ground tissue
- C. Vascular tissue

D. Nervous tissue



Q21 Plant Tissues & Transport

Where is the intercalary meristem commonly located in plants?

- A. At the tip of roots and shoots
- B. At the base of leaves or internodes
- C. At the edge of leaves
- D. On lateral sides of the stem



Q22 Reproductive System

A pregnant woman in her ninth week visits a clinic for a check-up. The doctor explains that the developing baby is now called a foetus and will continue organ development. Which trimester is she currently in?

A. Second trimester

B. Third trimester

C. First trimester



D. Later stage

Q23 Sound

Why can you hear a train approaching when you put your ear on the railway track?

A. Sound moves through the air above the track

B. Vibrations travel only along the surface of the rails

C. Sound travels efficiently through solid steel rails to your ear



D. Rails vibrate more loudly than air does

Q24 Work, Energy & Power

Which of the following is an example of kinetic energy?

A. A parked bicycle

B. A flying bird in the sky



C. A book on a shelf

D. An apple hanging from a tree

Q25 pH Scale & Indicators

A higher concentration of H^+ ions in a solution corresponds to:

A. Neutral pH

B. Constant pH

C. Lower pH value



D. Higher pH value



Q26 2-Year Difference

The difference between compound interest and simple interest at a rate of 5% per annum over a period of 2 years on an amount of ₹15,000 is:

A. ₹37.50



B. ₹33.60

C. ₹42.10

D. ₹41.90

Q27 Age in Ratio Form

B is as much younger to A as he is elder to C. The ratio of the ages of A and C is 9 : 8 and sum of their ages is 68. What is the difference between the ages of A and B?

A. 2



B. 5

C. 4

D. 6

Q28 Angle of Elevation

From a point on the ground, the angle of elevation to the top of a tree is 45° . If the point is 20 m away from the base, what is the height of the tree?

A. 15 m

B. 18 m

C. 20 m



D. 22 m

Q29 Basic TSD

Sam covered a certain distance at a certain speed. Had he moved 4.5 kmph faster, he would have taken 30 minutes less. If he had moved 4.5 kmph slower, he would have taken 35 minutes more. Find the distance covered by him.

A. 409.5 km



B. 411.5 km

C. 420 km

D. 429.5 km

Q30 Chord Properties

In a circle of radius 5 cm, AB and AC are two equal chords such that $AB = AC = 7$ cm. What is the length of the chord BC? (Rounded off to 3 decimal places.)

A. 9.992 cm

B. 9.990 cm

C. 9.998 cm



D. 9.996 cm

Q31 Curved & Total Surface Area

For a cone, the curved surface area is two-thirds of its total surface area. What is the ratio of its slant height to its radius?

A. 3 : 1

B. 1 : 2

C. 1 : 1

D. 2 : 1

**Q32 Curved & Total Surface Area**

The slant height of a cone is 25 cm, and the radius of its base is 17 cm. Find its total surface area. (Use $\pi = 22/7$.)

A. 1283 cm²

B. 2244 cm²



C. 3300 cm²

D. 2750 cm²

Q33 Dividing Quantity in Ratio

A sum of money is divided among P, Q, and R in the ratio 2:3:5. If R gets Rs. 290 more than Q, what is the total sum?

A. Rs. 1200

B. Rs. 900

C. Rs. 1100

D. Rs. 1450

**Q34 Find Time**

What is the time (in years) required for a sum of ₹12,000 at 6% per annum simple interest to earn ₹2,160?

A. 2 years

B. 2.5 years

C. 3.5 years

D. 3 years



Q35 HCF and LCM

The product of the HCF and LCM of two numbers is 1944. Find the second number, if the first number is 54.

- A. 24
- B. 42
- C. 48
- D. 36

**Q36 Half-Yearly Compounding**

The compound interest (in ₹, rounded off to the nearest tens) on ₹10,000 at the rate of 8% per annum for 1.5 years, if interest is compounded half-yearly, is:

- A. 1,250
- B. 1,150
- C. 1,350
- D. 1,450

**Q37 Laws of Indices**

Given that $17^{0.3} = x$, $17^{0.5} = y$ and $x^z = y^5$, then the value of z is close to:

- A. 8.33
- B. 7.67
- C. 10.33
- D. 8.67

**Q38 Percentage Increase/Decrease**

The income of Raman is ₹70,000. He saves 26% of his income. If his income increases by 32% and expenditure increases by 45%, then his savings will:

- A. increase by ₹909
- B. increase by ₹913
- C. decrease by ₹908
- D. decrease by ₹910

**Q39 Profit/Loss Percentage**

Rajesh started a business with ₹50,000. In the first year, he made a profit of 20%. He reinvested all the money (original + profit) in the second year. In the second year, he suffered a loss of 15%. At the end of the second year, he sold his remaining business assets and received an additional ₹8,000 as goodwill. What is his overall profit or loss percentage on his original investment?

- A. 20% profit
- B. 18% profit
- C. 12% loss
- D. 15% loss

**Q40 Single Change**

The production of a factory increased from 1,200 units to 1,500 units. Find the percentage increase in production.

- A. 22%
- B. 20%
- C. 25%
- D. 30%

**Q41 Successive Discount**

The marked price of a cooker is same at four shops I, II, III and IV.

Shop I allows two successive discounts of 46% and 13%, shop II allows successive discounts of 55% and 69%, shop III allows successive discounts of 47% and 68%, and shop IV allows successive discounts of 91%, 98%, and 18% on the marked price of the cooker.

Which shop is selling the cooker at the lowest price?

- A. III
- B. IV
- C. I
- D. II

**Q42 Time-based Partnership**

Amit and Bharat started a business with investments of ₹40,000 and ₹55,000, respectively. After 6 months, Chetan joined with ₹60,000. If the annual profit is ₹47,400, what is Bharat's share?

- A. ₹20,886
- B. ₹20,856
- C. ₹20,716
- D. ₹20,756



Q43 Two Items Mixing

If 2 liters of juice costing ₹30 per liter are mixed with 8 liters of juice costing ₹50 per liter, what is the price per liter (in ₹) of the mixture?

A. 50

B. 44

C. 48

D. 46

**Q44 Two Trains Crossing**

A train, 150 m long, running at 60 km/h passes another train, which is twice as fast as this train and is running on a parallel line in the opposite direction, in 8 seconds. Find the length (in m) of the second train.

A. 320

B. 280

C. 250



D. 300

Q45 Two Triangle Problems

As observed from the top of a 150 m high lighthouse from the sea-level, the angles of depression of two ships are 30° and 60° . If one ship is exactly behind the other on the same side of the lighthouse, then find the difference between the horizontal distances of both ships from the base of lighthouse (Use $\sqrt{3}=1.7$).

A. 183 m

B. 178 m

C. 168 m

D. 170 m

**Q46 Combined Work Rate**

Riya can complete a piece of work in 15 days, while Neha can complete the same work in 20 days. If both of them work together, how many days will they take to complete the work?

A. $\frac{29}{3}$ days

B. $\frac{60}{7}$ days



C. $\frac{75}{8}$ days

D. $\frac{35}{4}$ days

Q47 Index Simplification

Simplify:

$$(7^7 \times 7^{-5} \div 7^{-4}) \div \left(7^0 \times 7^{-2} \text{ of } \left(\frac{1}{7} \right)^{-5} \right)$$

A. 343



B. 7

C. 1

D. 49



Q48 Mean of Grouped Data

What is the mean of the following distribution?

Marks	14	28	55	75	93
No. of Students	33	81	73	44	35

A. 46

B. 39

C. 50



D. 42

Q49 Mean of Grouped Data

What is the value of $(8x + 2y)$, if mean of the following distribution is 56?

Class	0-20	20-40	40-60	60-80	80-100	Total
Frequency	3	12	x	5	y	70

A. 292

B. 294

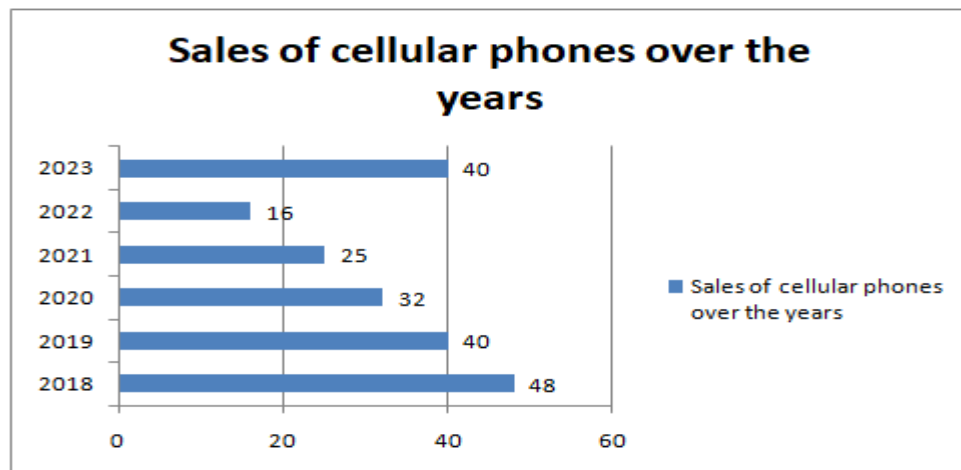
C. 302

D. 298

**Q50** Single Parameter

The bar graph below shows the sales (in thousands) of cellular phones from 2018 to 2023. Study the graph and answer the question.

Find the average sales of cellular phones (in thousands) from 2021 to 2023.



A. 26

B. 28

C. 25

D. 27



Q51 Alpha-Numeric Series

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

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

How many such odd digits are there, which are immediately preceded by an even digit and also immediately followed by a perfect square? (NOTE: 1 is also a perfect square.)

A. One

B. Three

C. Two

D. Four

Q52 Alphabetical Pattern

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

ASW FPU KMS PJQ ?

A. XIQ

B. UGO

C. WGP

D. VHO

Q53 Cardinal Direction Turns

Ajay starts driving his car towards the north. After driving 10 m, he turns towards the left and drives 30 m. He then turns towards the right and drives 20 m. He finally turns towards the left and drives 10 m. In which direction is he facing now? (All turns are 90-degree turns only unless specified.)

A. West

B. East

C. North

D. South

Q54 Day of Week Assignment

Each of T, R, O, U, B, L and E has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. U has exam on Friday. Only two people have exam between E and U. Only four people have exam between L and E. T has exam immediately after R. O doesn't have exam on Monday. How many people have exam between O and B?

A. Four

B. Three

C. One

D. Two

Q55 Floor/Building Arrangement

Seven boxes R, A, C, K, E, T and S are kept one over the other but not necessarily in the same order.

Only three boxes are kept below C. Only two boxes are kept between C and R. Only E is kept above S. K is kept at some place below T and at some place above A.

Which box is kept at second position from the bottom?

A. E

B. R

C. A

D. C

Q56 Floor/Building Arrangement

A, G, H, P, S and Y live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on, till the topmost floor, which is numbered 6.

H lives on an even-numbered floor but not on floor number 4. Only two people live between H and P. A lives on an odd-numbered floor but not on the lowermost floor. Only two people live between A and Y. S lives immediately below A.

How many people live between G and S?

A. Four

B. One

C. Two

D. Three



Q57 Letters in a Given Word

Each vowel in the word DERVISH 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. One
- B. Two
- C. None
- D. Three

**Q58 Letters in a Given Word**

Each vowel in the word DRAFTED 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 be fourth from the left in the new group of letters thus formed?

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

**Q59 Mathematical Operations**

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

(Left) 649 782 415 563 238 (Right)

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

What will be the sum, if the third digit of the second number from left is added to the first digit of the fourth number from left?

- A. 6
- B. 7
- C. 9
- D. 8

**Q60 Mathematical Operations**

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

(Left) 532 637 724 386 452 (Right)

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

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

If 2 is added to the first digit of every number, in how many numbers will the first digit be exactly divisible by the second digit?

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

**Q61 Mathematical Operations**

Each of the digits in the number 546598492 is arranged in ascending order from left to right. What will be the sum of the digits that are third from the left and third from the right in the new number thus formed?

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

**Q62 Missing Number**

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

198 210 234 246 270 282 ?

- A. 301
- B. 306
- C. 303
- D. 311



Q63 Operation Based

Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on first number results in the second number. Similarly, certain mathematical operation on second number results in the third number and so on. Which of the given options follows the same set of operations as that followed in the question? (NOTE – A two/three digit number cannot be broken into individual digits for operations; e.g., if 37 is followed by 10, the operation cannot be $3+7$ as a two digit number cannot be broken into individual digits.)

$2 - 6 - 12 - 20$; $3 - 7 - 13 - 21$

A. $7 - 11 - 15 - 21$

B. $5 - 9 - 13 - 17$

C. $6 - 10 - 16 - 22$

D. $4 - 8 - 14 - 22$ ✓

Q64 Operation Based

15 is related to 46 following a certain logic. Following the same logic, 2 is related to 7. To which of the following is 8 related, following the same logic?

(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.)

A. 23

B. 29

C. 25 ✓

D. 27

Q65 Operator Swap

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

$35 \times 7 \div 9 - 28 + 31 = ?$

A. 38

B. 42 ✓

C. 44

D. 40

Q66 Operator Swap

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

$33 - 7 \div 81 + 44 \times 22 = ?$

A. 305

B. 310 ✓

C. 320

D. 301

Q67 Pattern Based

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: HJF :: RTP : %

A. # = MKC , % = UKO

B. # = ELC , % = UWL

C. # = EGC , % = UWS ✓

D. # = KJC , % = UML

Q68 Pattern Based

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

AGENT : EGTNA : TGANE

WORLD : RODLW : DOWLR

A. CRAFT : ARCTF : TRCFA

B. CLOUD : LOUDC : COULD

C. EARTH : RAHTE : HAETR ✓

D. WATER : RATEW : TAWER

Q69 Pattern Based

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.

FSX : ANS

MVD : HQY

A. QFH : ODF

B. HWY : DSU

C. IXZ : FUV

D. JYA : ETV ✓



Q70 Position Pattern

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. FJ-MQ

B. BF-IM

C. HL-NU



D. SW-ZD

Q71 Position Pattern

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. JK - NK



B. MN - QR

C. GH - KL

D. BC - FG

Q72 Single Row (One-way/Both-way)

Six people, C, D, E, O, P and Q, are sitting in a row, facing north.

Only E sits to the left of D. Only three people sit between E and Q. Only C sits between O and Q.

How many people sit between P and O?

A. One

B. Three

C. Two



D. None

Q73 Single Row (One-way/Both-way)

Eight people Akhil, Binod, Charu, Deepak, Ekta, Firoj, Gaurav and Hira are sitting in a row, facing north. Only three people sit to the left of Ekta. Binod is an immediate neighbour of Ekta and sits third to the right of Akhil. Deepak sits third to the left of Charu. Firoj is not an immediate neighbour of Charu. Charu sits second to left of Hira. Who sits at the extreme left end of the line?

A. Binod

B. Akhil

C. Firoj



D. Deepak

Q74 Symbol Based

In a certain code language,
 $A + B$ means 'A is the wife of B',
 $A - B$ means 'A is the sister of B',
 $A \times B$ means 'A is the father of B' and
 $A \div B$ means 'A is the brother of B'.

How is M related to S if ' $M \times N - O + P \div S$ '?

A. Sister's husband

B. Mother's father

C. Brother's son

D. Brother's wife's father

**Q75 Symbol Based**

In a certain code language,
 $A + B$ means 'A is the mother of B',
 $A - B$ means 'A is the brother of B',
 $A \times B$ means 'A is the wife of B',
 $A \% B$ means 'A is the father of B', and
 $A \# B$ means 'A is the daughter of B'.

How is Q related to G if ' $N \# G \times L \% R \% Q \# K$ '?

A. Husband's mother

B. Brother's wife

C. Son's daughter



D. Husband's sister

Q76 Symbol Included Pattern

Refer to the following letter, symbol series and answer the question.

(Left) B B H J \$ H & J K + ? N + ? \$ & H ^ G # (Right)

If all the letters are dropped from the series, which of the following will be seventh from the right?

A. =

B. #

C. ?



D. +



Q77 Symbol Included Pattern

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

(Left) A S # P L \$ % T U I \$ * M < > S + A @ * & A W ? % A Z Y & @ E \$ R (Right)

How many such consonants are there, each of which is immediately preceded by a symbol and immediately followed by a vowel?

A. 1



B. 3

C. 4

D. 2

Q78 Two Statement Sufficiency

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Among 5 poles, F, R, H, U and T each having a different height, which pole is the tallest?

(I) F is shorter than R but taller than H

(II) H is taller than U but shorter than T

Both statements (I) and (II) together are NOT

A. sufficient to answer the question, but neither alone is sufficient.



B. Both statements (I) and (II) together are sufficient to answer the question.

C. Statement (II) alone is sufficient, but statement (I) alone is not sufficient.

D. Statement (I) alone is sufficient, but statement (II) alone is not sufficient.

Q79 Two Statement Syllogism

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

Statements:

Some laptops are watches.

No watch is a computer.

Conclusions:

(I) Some laptops are computers.

(II) Some watches are laptops.

A. Only conclusion (I) follows

B. Only conclusion (II) follows



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

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

Q80 Two Statement Syllogism

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

Statements: Some books are papers. No book is a towel.

Conclusion (I): Some papers are towels.

Conclusion (II): No towel is a paper.

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



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

C. Only conclusion (II) follows

D. Only conclusion (I) follows

General Awareness

20 Questions • Answer Key

Q81 Constitutional Posts

Who was elevated to the post of Chief Justice of the Calcutta High Court in January 2026?

A. Justice Krishna Rao

B. Justice Arijit Banerjee

C. Justice Sujoy Paul



D. Justice Radhika Sen

Q82 Digital India Updates

In January 2026, the Ministry of Electronics and Information Technology (MeitY) launched "Param Shakti," an indigenously developed 3.1 Petaflop supercomputing system, at which premier institute?

A. Indian Institute of Technology (IIT) Madras



B. Indian Institute of Science (IISc), Bengaluru

C. Indian Institute of Technology (IIT) Delhi

D. Indian Institute of Technology (IIT) Bombay



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Q83 Economic Current Affairs

According to the Economic Survey 2025–26, which sector emerged as the largest contributor to India's Gross Value Added (GVA) in recent years?

- ☒ A. Services sector
- ☐ B. Manufacturing sector
- ☐ C. Agriculture and allied activities
- ☐ D. Mining and quarrying

Q84 Individual Records

At the 29th National Senior Federation Cup held in Ranchi during 2026, which Indian athlete set a new national record in the men's 100-metre event by clocking 10.09 seconds?

- ☐ A. Amlan Borgohain
- ☐ B. Manikanta Hoblidhar
- ☒ C. Gurindervir Singh
- ☐ D. Animesh Kujur

Q85 International Sports Awards

Who among the following has won the Laureus World Sportswoman of the Year 2026 award?

- ☐ A. Katie Ledecky
- ☐ B. Aitana Bonmatí
- ☐ C. Faith Kipyegon
- ☒ D. Aryna Sabalenka

Q86 Missile Tests & Systems

Which missile's final development trials were successfully completed by the Defence Research and Development Organisation in May 2026?

- ☐ A. Agni-Prime
- ☒ B. ULPGM-V3
- ☐ C. BrahMos
- ☐ D. Nirbhay

Q87 Modern Indian Authors

Which union minister of India is the author of the book "Apnapan: Narendra Modi Sang Mere Anubhav" which was launched in May 2026?

- ☒ A. Shri Shivraj Singh Chouhan
- ☐ B. Shri Manohar Lal
- ☐ C. Shri Nitin Jairam Gadkari
- ☐ D. Shri Jagat Prakash Nadda

Q88 National Current Affairs

Which place in Manipur experienced epicenter of an earthquake in April 2026?

- ☐ A. Senapati
- ☐ B. Ukhrul
- ☐ C. Churachandpur
- ☒ D. Kamjong

Q89 National Current Affairs

Operation Parhar, launched by Punjab Police in January 2026, was primarily aimed at addressing which of the following issues in the state?

- ☐ A. Drug trafficking
- ☒ B. Gangster networks
- ☐ C. Border infiltration
- ☐ D. Cybercrime networks

Q90 National Current Affairs

Which edition of National Family Health Survey was released by the Ministry of Health and Family Welfare, government of India in May 2026?

- ☐ A. 8th
- ☐ B. 10th
- ☒ C. 6th
- ☐ D. 4th

Q91 National Days

On which date in 2026 did India officially commemorate Ambedkar Jayanti to honor the architect of the Constitution, Dr. B.R. Ambedkar, with nationwide events?

- ☐ A. 17 April 2026
- ☐ B. 1 May 2026
- ☒ C. 14 April 2026
- ☐ D. 7 April 2026

Q92 New Apps & Portals

What is the name of the AI-powered platform launched by Income Tax Department of India in April 2026 to simplify tax filing and provide 24×7 guidance?

- ☒ A. Kar Saathi
- ☐ B. Nir Saathi
- ☐ C. e-Tax Saathi
- ☐ D. Tax Saathi



Q93 New Schemes & Programs

In June 2026, West Bengal Chief Minister Suwendu Adhikari launched the Annapurna Scheme. Who are the primary beneficiaries and what is the benefit?

- A. Transgender persons receiving housing in minority colonies
- B. Muslim artisans receiving loans at 6% interest
- C. Tribal students receiving free coaching for IIT-JEE
- D. Women receiving Rs. 3,000 monthly financial assistance ✓

Q94 Policy Changes & Amendments

Which two weather phenomena did the 16th Finance Commission recommend adding to India's list of nationally notified disasters?

- A. Glacial lake outbursts and mudslides
- B. Dust storms and cloudbursts
- C. Heatwaves and lightning strikes ✓
- D. Cold waves and hailstorms

Q95 Recent ISRO Missions

PSLV-C62 carrying EOS-N1 was launched in 2026 from which launch centre?

- A. ISRO Propulsion Complex, Mahendragiri
- B. Vikram Sarabhai Space Centre, Thiruvananthapuram
- C. Thumba Equatorial Rocket Launching Station, Thiruvananthapuram
- D. Satish Dhawan Space Centre, Sriharikota ✓

Q96 Recent Tournaments

Which state hosted the inaugural edition of Khelo India Tribal Games from 25th March to 3rd April 2026?

- A. Punjab
- B. Haryana
- C. West Bengal
- D. Chhattisgarh ✓

Q97 Recent Tournaments

Which country hosted the 2025 Africa Cup of Nations (AFCON) from December 2025 to January 2026?

- A. Egypt
- B. Tunisia
- C. Morocco ✓
- D. Algeria

Q98 Summits & Conferences

Where was the 4th International Conference on "Arbitrating Indo-UK Commercial Disputes" held on **June 5, 2026**?

- A. New Delhi, India
- B. London, United Kingdom ✓
- C. Manchester, England
- D. Mumbai, India

Q99 Summits & Conferences

In March 2026, which country hosted the World Trade Organization's 14th Ministerial Conference (MC14)?

- A. Morocco
- B. Vietnam
- C. Cameroon ✓
- D. Brazil

Q100 World Events

Which of the following American civil rights leaders, known for his contributions to racial equality, social justice, and political activism in the United States, was reported to have passed away in February 2026?

- A. Al Sharpton
- B. Andrew Young
- C. John Lewis
- D. Jesse Jackson ✓



General Science

25 Questions · Answer Key

Q1 Animal Kingdom (Phyla Overview)

An earthworm and crab both have segmented bodies, but only one has a hard outer covering. Which benefit does this outer covering provide in terrestrial environments?

- A. Provides tentacles for prey capture
- B. Prevents water loss and offers protection ✓
- C. Facilitates single opening for digestion
- D. Allows more flexible movement

Q2 Atomic Structure & Models

Which of the following statements about neutrons is correct?

- A. Neutrons have no charge and are found in the nucleus of an atom ✓
- B. Neutrons are negatively charged and found in the outermost shell
- C. Neutrons are positively charged particles found in the nucleus
- D. Neutrons revolve around the nucleus like electrons

Q3 Atoms & Molecules

Given that the atomic masses of C = 12 u, O = 16 u and H = 1 u, which of the following options correctly represents the molecular masses of CO₂ and H₂O?

- A. CO₂ = 46 u ; H₂O = 20 u
- B. CO₂ = 32 u ; H₂O = 18 u
- C. CO₂ = 44 u ; H₂O = 16 u
- D. CO₂ = 44 u ; H₂O = 18 u ✓

Q4 Basic Organic Chemistry

Refer to the two statements given below and choose the CORRECT option.

Statement A: Ethanoic acid reacts with bases to form a salt and water.
Statement B: This reaction is classified as an oxidation reaction.

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

Q5 Basic Organic Chemistry

Which of the following statements is true about ethanoic acid?

- A. It is used to sweeten food due to its sugar content
- B. It has a soapy feel and bitter taste
- C. It does not dissolve in water
- D. It turns blue litmus red and reacts with carbonates to produce CO₂ ✓

Q6 Circulatory System (Heart, Blood)

Which gas is most abundant in the blood pumped by the heart to the body?

- A. Helium
- B. Hydrogen
- C. Oxygen ✓
- D. Carbon dioxide

Q7 Current Electricity (Ohm's Law, Circuits)

An electric heater is rated 2000 W and is used for 2 hours. How much energy is consumed in joules?

- A. 720,000 joules
- B. 3,600,000 joules
- C. 7,200,000 joules
- D. 14,400,000 joules ✓

Q8 Extraction & Metallurgy

Which process is commonly used to extract iron, a metal in the middle of the activity series, from its ore?

- A. Reduction with hydrogen
- B. Reduction with carbon (coke) ✓
- C. Electrolytic reduction
- D. Thermal decomposition

Q9 Important Salts & Their Uses

Why is baking soda preferred over sodium carbonate in fire extinguishers?

- A. It forms insoluble residue
- B. It produces hydrogen gas rapidly
- C. It reacts violently producing heat
- D. It releases carbon dioxide easily with acid ✓



Q10 Mechanics

A cyclist covers a distance of 30 kilometers in 1.5 hours. What is the average speed of the cyclist?

- A. 15 kilometers per hour
- B. 20 kilometers per hour ✓
- C. 2 kilometers per hour
- D. 45 kilometers per hour

Q11 Mechanics

Which of the following statements best defines uniform circular motion?

- A. Motion along a circular path with constant velocity and zero acceleration.
- B. Motion along a circular path with changing speed but constant velocity.
- C. Motion along a circular path with constant speed and changing direction of velocity. ✓
- D. Motion along a straight path with constant speed and constant velocity.

Q12 Mirrors & Lenses

A student observes that moving the object from beyond the center of curvature toward the focus of a concave mirror causes the image to change. What change is observed?

- A. The image becomes smaller and moves away from the mirror
- B. The image remains the same size and position
- C. The image becomes larger and moves away from the mirror ✓
- D. The image becomes smaller and moves toward the mirror

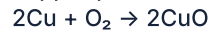
Q13 Mixtures, Solutions, Colloids

A student mixes oil and water in a beaker and notices two separate layers. Which explanation best fits this observation?

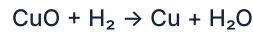
- A. Oil and water form a heterogeneous mixture because their components are not uniformly distributed. ✓
- B. Oil and water chemically react to form a new compound
- C. Oil dissolves completely in water to form a uniform solution
- D. Oil and water form a homogeneous mixture with a single phase

Q14 Oxidation & Reduction (Redox)

A student observes the following reaction during heating of copper powder in air.



Later, hydrogen gas is passed over the black copper oxide and reddish-brown copper is obtained.



Which substance is **oxidized in first reaction and reduced in second reaction**?

- A. Copper in first reaction and Copper oxide in second reaction ✓
- B. Hydrogen in first reaction and Copper oxide in second reaction
- C. Copper oxide in first reaction and Copper in second reaction
- D. Oxygen in first reaction and Copper oxide in second reaction

Q15 Photosynthesis

What does the splitting of water molecules during photosynthesis produce?

- A. Nitrogen and carbon
- B. Nitrogen and oxygen
- C. Hydrogen and oxygen ✓
- D. Oxygen and carbon

Q16 Physical & Chemical Properties

Which material would be the best choice for electrical transmission lines?

- A. Rubber
- B. Glass
- C. Tungsten
- D. Aluminium ✓

Q17 Plant Tissues & Transport

To increase the width or girth of a tree trunk, cells must divide around the stem in a ring-like manner. Which tissue performs this function?

- A. Intercalary meristem
- B. Apical meristem
- C. Lateral meristem ✓
- D. Sclerenchyma



Q18 Pollution (Air, Water, Soil, Noise)

What is the main environmental concern associated with non-biodegradable waste?

- A. It accumulates and causes pollution ✓
- B. It improves soil fertility
- C. It is quickly recycled by organisms
- D. It breaks down easily in nature

Q19 Reflection & Refraction

A student observes that a swimming pool appears shallower than its actual depth. Which concept best explains this effect?

- A. Refraction of light at the water-air boundary ✓
- B. Scattering of light by water molecules
- C. Reflection of light from the pool floor
- D. Internal reflection of light within the water

Q20 Reflection & Refraction

A pencil appears bent when partially submerged in water. Which scenario best explains how understanding refraction can help design better aquarium displays?

- A. Positioning lighting to account for refraction can make fish appear in their true locations to viewers ✓
- B. Using mirrors to enhance the brightness of the aquarium
- C. Changing water temperature to reduce light bending
- D. Using colored backgrounds to make objects stand out

Q21 Reproductive System

All of the following structures belong to the male reproductive system, **EXCEPT** _____.

- A. Vas deferens
- B. Fallopian tube ✓
- C. Penis
- D. Scrotum

Q22 Respiratory System

Which molecule is immediately synthesized using energy released during cellular respiration in animal cells?

- A. Adenosine Diphosphate (ADP)
- B. Nicotinamide adenine Dinucleotide (NAD)
- C. Adenosine triphosphate (ATP) ✓
- D. Guanosine Diphosphate (GDP)

Q23 Theory of Evolution

An ornithologist observes that birds in mountainous regions have more robust chest muscles and larger wings compared to those in forests. Which structural adaptation is being demonstrated?

- A. Improving camouflage
- B. Enhancing nest building
- C. Facilitating sustained flight in thin air ✓
- D. Increasing egg production

Q24 Work, Energy & Power

A student applies a constant force on a box at an angle to the horizontal, and the box moves in a straight horizontal line on a rough surface. Which statement correctly describes the work done by the applied force on the box?

- A. The total applied force, including both horizontal and vertical components, multiplied by the distance moved
- B. Only the vertical component of the applied force, multiplied by the distance moved vertically
- C. Only the horizontal component of the applied force, multiplied by the distance moved in the same direction, gives the work done ✓
- D. The sum of the horizontal and vertical components of the force, multiplied by the total distance traveled

Q25 Work, Energy & Power

An object of mass m is raised vertically through a height h near the Earth's surface. What is its gravitational potential energy?

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



Q26 Annual Compounding

A plant grows by 12.5% per annum. If its current height is 64 cm, what will be its height after 2 years, assuming the growth is compounded annually?

- A. 85 cm
- B. 81 cm
- C. 80 cm
- D. 88 cm

**Q27 Area/Volume Error**

The radius of a cylinder is increased by 20% and its height is decreased by 10%. Find the percentage change in its volume.

- A. 29.6% increase
- B. 29.6% decrease
- C. 26.9% increase
- D. 26.9% decrease

**Q28 Average Speed**

A student rides a bicycle for 12 km at an average speed of 10 km/hr. At what speed should he cover the next 10 km to have an average speed of 11 km/hr for the whole journey?

- A. 12.5 km/hr
- B. 10.8 km/hr
- C. 11 km/hr
- D. 15 km/hr

**Q29 Basic Time & Work**

12 men can finish a task in 20 days. How many days will 30 men take to complete the same task?

- A. 8 days
- B. 9 days
- C. 12 days
- D. 11 days

**Q30 Equal Installments**

A person borrowed an amount of ₹15 lakhs at a simple interest rate of 7% per annum for 5 years. If he wants to pay the total amount in equal monthly installments, then find the monthly installment.

- A. ₹44,000
- B. ₹41,640
- C. ₹33,750
- D. ₹32,600

**Q31 Half-Yearly Compounding**

If a certain amount of money is compounded semi-annually and becomes ₹1,600 after 3 years and ₹6,400 after 6 years, what is the principal amount?

- A. ₹440
- B. ₹400
- C. ₹375
- D. ₹410

**Q32 Laws of Indices**

Given that $102^{0.77} = x$, $102^{0.44} = y$ and $x^z = y^8$, then the value of z is close to:

- A. 3.44
- B. 5.23
- C. 4.57
- D. 6.05

**Q33 MP with Discount and Profit**

A shopkeeper marks the price of an article at 44% above its cost price and then offers two successive discounts of 39% each. What is his loss percentage? (Round off to the nearest integer)

- A. 45%
- B. 48%
- C. 47%
- D. 46%



Q34 Multiple Pipes

Pipe A can fill a tank in 4 hours, pipe B can fill the same tank in 8 hours and pipe C can fill the same tank in 8 hours. The time taken (in hours) by them to fill half of the same tank if they operate together is:

A. 4

B. 3

C. 1



D. 2

Q35 Percentage Increase/Decrease

The income of Raman is ₹34,000. He saves 5.5% of his income. If his income increases by 17% and expenditure increases by 10%, then his savings will:

A. decrease by ₹10,285

B. increase by ₹2,567



C. increase by ₹10,284

D. decrease by ₹2,657

Q36 Rules for 2,3,4,5,6

Find the smallest digit value for A such that 58A4 is divisible by 4.

A. 4

B. 2

C. 6

D. 0

**Q37 Simple Mean**

What is the average of the numbers 4, 8, and 12?

A. 8



B. 6

C. 12

D. 10

Q38 Still Water Speed

A boatman is rowing on a river. He takes 4 hours to travel upstream and 2.5 hours to travel downstream. If the speed of the river's current is 3 km/h, what is the boat's speed in still water?

A. 11 km/h

B. 14 km/h

C. 12 km/h

D. 13 km/h

**Q39 Two Successive Changes**

The price of a laptop increases by 20% in the first year and again by 10% in the second year. If the original price was ₹50,000, find the final price after two years.

A. ₹65,000

B. ₹67,000

C. ₹66,000



D. ₹68,000

Q40 Two Triangle Problems

The angle of elevation of a cloud from a point 60 m above a lake is 30° , and the angle of depression of its reflection is 60° . Find the height of the cloud.

A. 60 m

B. 120 m



C. 80 m

D. 100 m

Q41 Weighted Average

The numbers 1, 3, and 14 are assigned weights 3, 1, and 1, respectively. Find their weighted arithmetic mean.

A. 4



B. 3

C. 8

D. 6

Q42 $(a+b)^2$, $(a-b)^2$

Simplify the following expression.

$$(2x + 3y)^2 - (2x - 3y)^2 + 12xy$$

A. $24xy$ B. $60xy$ C. $36xy$ D. $48xy$ 

Q43 Building/Tower Problems

From the top of a tower, the angle of depression to a point A on ground is 30° . From the same point on the tower, the angle of elevation to a balloon vertically above point A is 60° . If the horizontal distance between the tower and point A is 40 meter, the height (in meter) of the balloon above the point A is

A. $\frac{40}{\sqrt{3}}$

B. $\frac{80}{\sqrt{3}}$ ✓

C. $\frac{160}{\sqrt{3}}$

D. $\frac{120}{\sqrt{3}}$

Q44 False Weight

A dishonest shopkeeper promises to sell his goods at cost price. However, he uses a weight that actually weighs 20% less than what is written on it. Find his profit percentage.

A. 24.6%

B. 23.62%

C. 25% ✓

D. 26.02%

Q45 Grouped Data Median

Find the median of the given data.

Class interval	0-5	5-10	10-15	15-20	20-25	25-30
Frequency	3	7	5	4	8	6

A. 12.62

B. 18.54

C. 15.28

D. 16.875 ✓

Q46 Laws of Indices

Solve for x :

$$\left[\left(\frac{3}{4}\right)^2\right]^{4x+3} = \left[\left(\frac{9}{16}\right)^{1/2}\right]^{x-2}^2$$

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

B. $-2\frac{1}{4}$

C. $-4\frac{2}{3}$ ✓

D. $3\frac{1}{2}$



Q47 Mean Proportional

Find the mean proportional of 6.5 and 24.

A. $2\sqrt{39}$



B. $3\sqrt{39}$

C. $4\sqrt{39}$

D. $\sqrt{39}$

Q48 SSS, SAS, ASA, AAS, RHS

In $\triangle XYZ$ and $\triangle PQR$, if $XY = PQ$ and $YZ = QR$, then one can infer that $\triangle XYZ \cong \triangle PQR$ when:

A. $\angle XYZ = \angle PQR$



B. $\angle YXZ = \angle QPR$

C. $\angle XZY = \angle QPR$

D. $\angle XZY = \angle PRQ$

Q49 Sector Area & Arc Length

A circular track has a radius of 28 m. If a sector (the pie-shaped region enclosed by two radii and the arc connecting their endpoints) subtending 90° is to be fenced along its boundary three times at the rate of ₹15 per meter, the total cost of fencing is:

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

A. ₹5,400

B. ₹4,500



C. ₹1,500

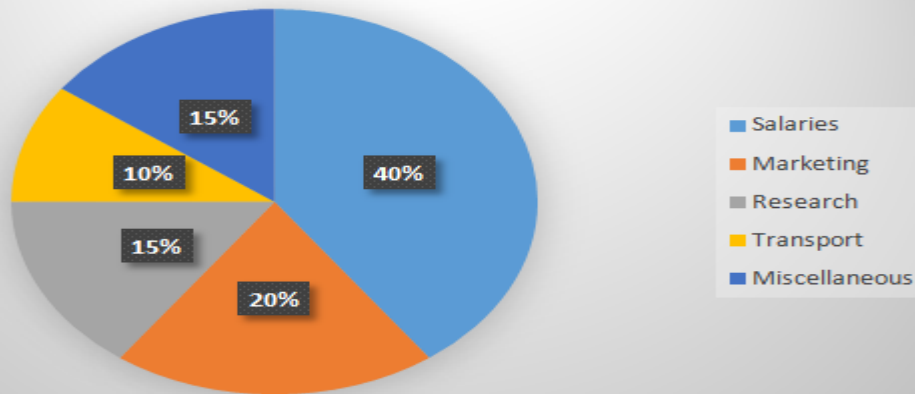
D. ₹1,800



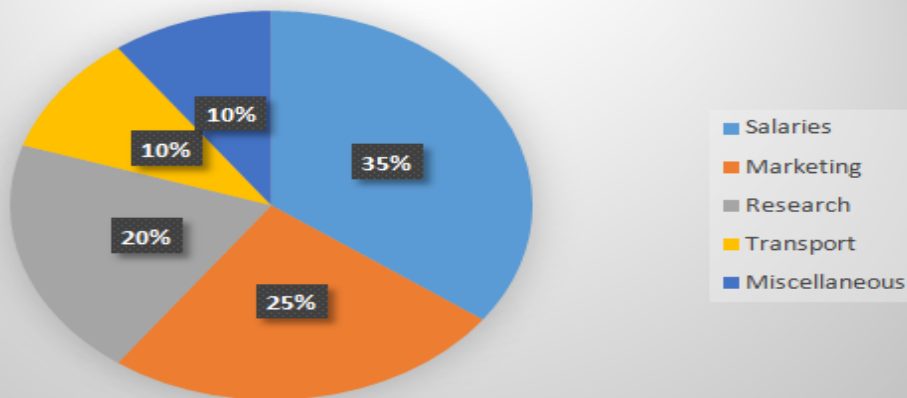
Q50 Year-on-Year Comparison

The given pie charts show the distribution of expenditure of a company across multiple areas in 2024 and 2025. The total expenditure in 2024 was ₹18,00,000 and the total expenditure in 2025 was ₹24,00,000. Find the increase in expenditure (in ₹) on Research from 2024 to 2025.

Percentage wise expenditure distribution in 2024



Percentage wise expenditure distribution in 2025



A. 1,80,000

B. 2,70,000

C. 2,40,000

D. 2,10,000



General Intelligence & Reasoning

30 Questions • Answer Key

Q51 Alpha-Numeric Series

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

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

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

A. Two

B. Four



C. Three

D. Five



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Q52 Alpha-Numeric Series

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

(Left)

R A J A R A N I R A D H A R A N I F A S H I O
N U P P E R Q (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. Three

C. Two

D. Four

Q53 Alpha-Numeric Series

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

(Left) X G Q C D H D C B H K Q R O F A J E Z U O (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. Three

C. Four

D. One

Q54 Alphabetical Pattern

What should come in place of ? in the given series based on the English alphabetical order?
EMC HOD KQE NSF ?

A. PWH

B. OVH

C. OUG

D. QUG

Q55 Day of Week Assignment

Each of P, B, N, L, C, G and V has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week.

Only four people have exams before B. G has exam on Tuesday. L has exam immediately after P but not on Thursday. C does not have exam before V. N does not have exam after V. How many people have exams between N and B?

A. Three

B. Four

C. One

D. Two

Q56 Day of Week Assignment

Each of C, E, R, T, A, I and N has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. C has exam on Friday. Only two people have exam between E and C. Only four people have exam between I and E. A has exam immediately after R. N doesn't have exam on Monday.

How many people have exam between N and T?

A. Four

B. One

C. Three

D. Two

Q57 Facing Center

C, D, J, R, T, V and Y are sitting around a circular table facing the center. Only two people sit between Y and D when counted from the right of Y. Only three people sit between R and T when counted from the right of T. D sits to the immediate right of T. V sits to the immediate right of J. How many people sit between V and T when counted from the right of T?

A. 1

B. 2

C. 3

D. 4



Q58 Facing Center

Six friends, C, D, E, O, P and Q, are sitting around a circular table, facing the center of the table.

P sits third to the right of O. Only three people sit between O and D when counted from the left of O. C sits to the immediate right of E.

How many people sit between E and Q when counted from the right of E?

A. None

B. One

C. Three

D. Two

**Q59 Floor/Building Arrangement**

A, D, F, G, H and S live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6.

G lives on an odd numbered floor but not 5. The sum of floors on which G and D live is 5. Only 3 people live between D and H. S lives immediately above F. What is the sum of floors on which G and F live?

A. 8

B. 7



C. 6

D. 5

Q60 Letters in a Given Word

This question is based on the following words.

BUN PET COG DAI

If in each of the words, each letter is changed to the immediately following letter in the English alphabetical order, how many words thus formed will have no vowel?

A. Two

B. None

C. Three

D. One

**Q61 Letters in a Given Word**

Each vowel in the word BRISANT 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. None



B. Three

C. Two

D. One

Q62 Linear Family Relations

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 N related to S?

A. Father's mother

B. Daughter

C. Wife

D. Father's sister

**Q63 Mathematical Operations**

If 1 is added to each even digit and 1 is subtracted from each odd digit in the number 812347695, what will be the sum of all the odd digits in the new number thus formed?

A. 17

B. 20

C. 24



D. 22

Q64 Mathematical Operations

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

(Left) 421 736 589 340 275 (Right)

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

What is the difference between the second digit of the largest number and the first digit of the smallest number?

A. 4

B. 1



C. 3

D. 2



Q65 Mathematical Operations

If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 5783614, what will be the difference between the highest and lowest digits in the new number thus formed?

A. 5

B. 7

C. 4

D. 6

**Q66 Missing Number**

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

67 76 94 121 157 ?

A. 196

B. 186

C. 177

D. 202

**Q67 Operation Based**

Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on first number results in the second number. Similarly, certain mathematical operation on second number results in the third number and so on. Which of the given options follows the same set of operations as that followed in question? (NOTE – A two/three digit number cannot be broken into individual digits for operations; e.g., if 37 is followed by 10, the operation cannot be 3+7 as a two digit number cannot be broken into individual digits.)

8 – 32 – 128 – 512 ; 2 – 8 – 32 – 128

A. 3 – 12 – 48 – 192



B. 4 – 16 – 64 – 200

C. 5 – 15 – 75 – 375

D. 6 – 12 – 27 – 81

Q68 Operation Based

Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number result(s) in the second number. Similarly, certain mathematical operation(s) on the second number result(s) in the third number and so on. Which of the given options follows the same set of operations as in the given sets? (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

13 – 26 – 30 – 60

3 – 6 – 10 – 20

A. 4 – 8 – 12 – 24



B. 12 – 15 – 30 – 60

C. 16 – 32 – 64 – 70

D. 14 – 16 – 32 – 68

Q69 Operator Swap

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

9 – 34 + 38 × 18 ÷ 27 = ?

A. -13

B. -14



C. -16

D. -12

Q70 Pattern Based

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: WYA :: VXZ : %

A. # = RTV , % = ACE



B. # = RVX , % = ACE

C. # = RTV , % = ABF

D. # = RTU , % = ZBD



Q71 Pattern Based

YFQC is related to AHSE in a certain way based on the English alphabetical order. In the same way, XVKJ is related to ZXML. To which of the following is WNAP related, following the same logic?

A. YPCR



B. YPBQ

C. ZQDS

D. YQCS

Q72 Pattern Based

Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

BIK : IPR

EAT : LHA

A. PIC : WPJ



B. MIT : TQB

C. YEL : HLE

D. NET : GLA

Q73 Position Pattern

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the 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. QNL

B. VSP



C. AXV

D. YVT

Q74 Position Pattern

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the 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. DCF

B. WVY

C. BAD

D. AAC

**Q75 Rearrangement of Letters**

Each letter in the word EUCHRAD 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. E

B. F



C. D

D. I

Q76 Shortest Distance

Raghav starts from Point A and drives 22 km towards the north. He then takes a left turn, drives 24 km, turns left and drives 38 km. He then takes a left turn and drives 41 km. He takes a final left turn, drives 16 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 19 km to the east

B. 17 km to the west



C. 16 km to the west

D. 18 km to the east

Q77 Shortest Distance

Mr. Jigme starts from Point A and drives 29 km towards the west. He then takes a left turn, drives 11 km, turns left and drives 46 km. He then takes a left turn, drives 36 km, turns left and drives 5 km. He then takes a left turn and drives 9 km. He takes a final right turn, drives 12 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

A. 16 km to the south



B. 16 km to the east

C. 9 km to the west

D. 9 km to the north



Q78 Symbol Based

In a certain code language,
A + B means 'A is the mother of B',
A - B means 'A is the brother of B',
A × B means 'A is the wife of B',
A % B means 'A is the father of B', and
A # B means 'A is the daughter of B'.

How is K related to G if 'L + G # P % Q + K × Z'?

A. Sister's daughter



B. Brother's wife

C. Mother

D. Wife's mother

Q79 Two Statement Sufficiency

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Among five sticks, V, H, Y, D and N, each having a different height, which stick is the tallest?

(I) V is taller than D but shorter than N. V is shorter than only one stick.

(II) D is taller than H.

A. Data in Statement I alone is sufficient to answer the question while data in statement II is not



B. Both statements I and II together are NOT sufficient to answer the question

C. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.

D. Data in Statement II alone is sufficient to answer the question while data in statement I is not

Q80 Two Statement Sufficiency

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Among 5 poles, F, R, H, U and T each having a different height, which pole is the tallest?

(I) F is taller than U but shorter than T. F is shorter than only one pole

(II) U is taller than R

A. Statement (I) alone is sufficient, but statement (II) alone is not sufficient.



B. Both statements (I) and (II) together are sufficient to answer the question, but neither alone is sufficient.

C. Statement (II) alone is sufficient, but statement (I) alone is not sufficient.

D. Both statements (I) and (II) together are not sufficient to answer the question.

General Awareness

20 Questions • Answer Key

Q81 Civilian Awards

In 2026, the Padma Vibhushan was awarded to a notable figure who has made pioneering contributions to Hindustani classical music and is renowned globally as a violin maestro. Which personality is being described?

A. Zakir Hussain

B. Ravi Shankar

C. N Rajam



D. Bhimsen Joshi

Q82 Corporate & Organizational Heads

Who assumed the charge as Controller General of Defence Accounts (CGDA) in May 2026?

A. Anugraha Narayana Das



B. Vishvajit Sahay

C. Dilip Kumar

D. Sanjay Jamuar



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Q83 Defense & Technology

'Mahe', the first Anti-Submarine Warfare Shallow Watercraft (ASW SWC), was officially delivered to the Indian Navy on October 23, 2025, by a defence shipyard located in which of the following cities?

- A. Panaji
- B. Mumbai
- C. Chennai
- D. Kochi

**Q84 Environment Current Affairs**

Under the Solid Waste Management Rules 2026, into how many streams must solid waste be segregated at its source?

- A. Two streams
- B. Four streams
- C. Five streams
- D. Three streams

**Q85 HDI, GHI, etc.**

Which nation ranked at the absolute bottom of the 2025/26 global Women, Peace and Security Index?

- A. Somalia
- B. Syria
- C. Yemen
- D. Afghanistan

**Q86 Hockey, Football, Tennis, Badminton**

The Australian Open 2026 belonged to which category of international sporting events?

- A. Davis Cup international competition
- B. ATP Finals championship event
- C. Grand Slam tennis tournament
- D. UEFA Champions League

**Q87 International Awards**

Which of the following received the 2026 UNESCO/Guillermo Cano World Press Freedom Prize in recognition of its efforts to defend press freedom and condemn the deliberate targeting of journalists during the ongoing conflict in Sudan?

- A. Reporters Without Borders
- B. Committee to Protect Journalists
- C. International Federation of Journalists
- D. Sudanese Journalists Syndicate

**Q88 Key Announcements**

The Union Budget 2026–27 allocated how much funding over five years to support Carbon Capture, Utilisation and Storage (CCUS) development?

- A. ₹10,000 crore
- B. ₹15,000 crore
- C. ₹5,000 crore
- D. ₹20,000 crore

**Q89 Key Announcements**

In the Union Budget 2026–27, what percentage share of the total public expenditure is constituted by the Gender Budget?

- A. 9.37% of the total budget
- B. 8.86% of the total budget
- C. 11.36% of the total budget
- D. 6.80% of the total budget

**Q90 Key Announcements**

In the Union Budget 2026–2027, the announcement of establishing NIMHANS-2 in northern India is related to which sector?

- A. Higher Education Policy Reform
- B. Renewable Energy Development
- C. Agricultural Development
- D. Mental Health and Neurosciences Infrastructure

**Q91 Missile Tests & Systems**

Which two defense organisations successfully tested the Naval Anti-Ship Missile–Short Range (NASM-SR) in April 2026?

- A. Defense Research and Development Organisation and the Indian Navy
- B. Indian Army and Indian Air Force
- C. National Investigation Authority and Central Reserve Police Force
- D. Armed Forces Special Operations Division and Indian Coast Guard



Q92 Missile Tests & Systems

Which organization conducted the successful flight-test of the Long Range Land Attack Cruise Missile (LRLACM) on June 15, 2026?

- A. Bharat Electronics Limited (BEL)
- B. Indian Air Force (IAF)
- C. Defence Research & Development Organisation (DRDO) ✓
- D. Indian Space Research Organisation (ISRO)

Q93 National Current Affairs

Which port emerged as India's largest automobile export hub setting a national record by shipping 6,008 cars in a single vessel in April 2026?

- A. Visakhapatnam Port
- B. Kandla Port
- C. Paradip Port
- D. Mundra Port ✓

Q94 National Current Affairs

Which of the following states organised the Idhu Namma Aattam (CM Youth Festival) held in 2026?

- A. Kerala
- B. Tamil Nadu ✓
- C. Andhra Pradesh
- D. Karnataka

Q95 National Days

_____ birth anniversary of Rabindranath Tagore was observed in India on May 7th, 2026.

- A. 165th ✓
- B. 155th
- C. 175th
- D. 150th

Q96 New Schemes & Programs

When was the Emergency Credit Line Guarantee Scheme (ECLGS) 5.0 launched by the Government of India?

- A. May 2026 ✓
- B. January 2026
- C. March 2026
- D. June 2026

Q97 Olympics, CWG, Asian Games

Which country topped the medal table at the Winter World University Games, achieved its third consecutive title, won a record 41 medals overall, and set a new record for the highest number of gold medals at a single edition of the Winter Olympics Games, 2026?

- A. Norway ✓
- B. United States of America
- C. China
- D. Japan

Q98 Policy Changes & Amendments

As per National Sports Governance (National Sports Board) Rules, 2026, the National Sports Board shall consist of a _____.

- A. Chairperson and five Members
- B. Chairperson and three Members
- C. Chairperson and two Members ✓
- D. Chairperson and four Members

Q99 Science & Technology Current Affairs

India's 3D-printed Automatic Weather Stations, developed in 2025, are part of which national initiative aimed at improving weather forecasting?

- A. Mission Meghdoot
- B. Mission Mausam ✓
- C. National Climate Action Plan
- D. National Weather Forecasting Mission

Q100 Summits & Conferences

Which venue hosted the India-AI Impact Summit 2026?

- A. Vigyan Bhawan, New Delhi
- B. Yashobhoomi, New Delhi
- C. India International Centre, New Delhi
- D. Bharat Mandapam, New Delhi ✓



General Science

25 Questions • Answer Key

Q1 Atomic Structure & Models

Which statement best describes the nucleus according to Rutherford's model?

- A. The nucleus is hollow and neutral.
- B. The nucleus is large, light, and negatively charged.
- C. The nucleus is small, dense, and positively charged. ✓
- D. The nucleus is spread out and uncharged.

Q2 Basic Organic Chemistry

Complete oxidation of one mole of ethanol releases how many moles of CO_2 ?

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

Q3 Chemical Bonding (Ionic, Covalent)

When a non-metal gains electrons, it forms:

- A. Cation
- B. Anion ✓
- C. Proton
- D. Neutral

Q4 Circulatory System (Heart, Blood)

A patient has reduced oxygen saturation despite normal lung volume. Which condition best explains this?

- A. Increased breathing rate
- B. Decreased number of alveoli
- C. Increased capillary density
- D. Reduced haemoglobin concentration ✓

Q5 Circulatory System (Heart, Blood)

Complete the analogy.

Platelets : Clotting :: White Blood Cells : _____.

- A. Oxygen Transport
- B. Fighting Inflammation ✓
- C. Connecting Joints
- D. Storing Minerals

Q6 Circulatory System (Heart, Blood)

Which structure prevents the backward flow of blood during contractions of the heart?

- A. Septa
- B. Valves ✓
- C. Arteries
- D. Muscles

Q7 Ecosystem & Food Chain

Why are food webs considered more stable than food chains?

- A. They have a larger number of producers
- B. They do not contain any carnivores
- C. They show no energy transfer between trophic levels
- D. They display multiple feeding possibilities ✓

Q8 Electromagnetic Induction

What happens when a conductor moves through a magnetic field?

- A. A potential difference is induced across its ends. ✓
- B. Light is produced in the conductor.
- C. The conductor heats up.
- D. The strength of the magnetic field increases.

Q9 Global Warming & Climate Change

Excessive atmospheric CO_2 increases its dissolution in ocean water. This makes seawater more _____.

- A. Basic
- B. Acidic ✓
- C. Oxygenated
- D. Neutral



Q10 Hydrocarbons (Methane, Ethane, etc.)

Select the correct option regarding the following two statements labelled Assertion (A) and Reason (R).

Assertion (A): Unsaturated hydrocarbons give a yellow flame with black smoke.

Reason (R): They burn completely when oxygen is insufficient.

- A. Both A and R are true, and R is not the correct explanation of A.
- B. A is false, but R is true.
- C. A is true, but R is false. ✓
- D. Both A and R are true, and R is the correct explanation of A.

Q11 Light & Optics

What would happen to the spread of colors in the spectrum if a second identical prism is placed after the first in an inverted position?

- A. The colors spread further apart
- B. The spectrum shifts to one side
- C. The spread of colors recombines to form white light ✓
- D. Only red and violet merge

Q12 Magnetic Effects of Current

A device uses the principle of magnetic fields around a current-carrying conductor to convert electrical energy to mechanical energy. Which device operates on this principle?

- A. Solar cell
- B. Transformer
- C. Galvanometer
- D. Electric motor ✓

Q13 Mechanics

What is required to fully describe the displacement of a moving body?

- A. Only magnitude
- B. Both magnitude and direction ✓
- C. Position at the origin
- D. Only direction

Q14 Mirrors & Lenses

A student places a candle 25 cm from a convex lens of focal length 15 cm and obtains a real image. What is the magnification of the image formed?

- A. 1.67
- B. -2.5
- C. 0.4
- D. -1.5 ✓

Q15 Mixtures, Solutions, Colloids

A teacher prepares three mixtures.

1. Sugar dissolved in water
2. Salt dissolved in water
3. Sand stirred in water

Which of the following is a **suspension**?

- A. The salt and water mixture
- B. Only the sand and water mixture ✓
- C. Only the sugar and water mixture
- D. Both Sugar-water mixture & Sand-water mixture

Q16 Nervous System & Brain

Which part of a neuron carries nerve impulses away from the cell body?

- A. Cilia
- B. Root hair
- C. Flagellum
- D. Axon ✓

Q17 Newton's Laws of Motion

Two ice skaters push off from each other on a frictionless surface. What will be observed about their motion?

- A. Both skaters move in circles around each other.
- B. One skater moves while the other remains stationary.
- C. Both skaters move together in the same direction.
- D. Both skaters move away from each other in opposite directions with equal and opposite forces. ✓



Q18 Physical & Chemical Properties

Which of the following methods prevents corrosion by sacrificing another metal?

A. Galvanisation



B. Painting

C. Alloying

D. Anodising

Q19 Pollution (Air, Water, Soil, Noise)

Which of the following chemical compounds is mainly responsible for ozone depletion in the upper atmosphere?

A. Oxides of nitrogen

B. Chlorofluorocarbons



C. Sulphur dioxide

D. Methane

Q20 Properties & Tests

Which gas is released when a dilute acid reacts with a metal carbonate?

A. Nitrogen gas is released

B. Carbon dioxide gas is released



C. Oxygen gas is released

D. Hydrogen gas is released

Q21 Skeletal & Muscular System

A child presents with a congenital absence of the vertebral column. Which major body system would be primarily compromised?

A. Respiratory gas exchange

B. Cutaneous respiration

C. External digestion

D. Central nervous system protection

**Q22 Sound**

What is the role of a medium in the propagation of sound?

A. A medium blocks sound from moving between places

B. A medium provides particles that carry sound vibrations



C. A medium is not needed for sound to move from one point to another

D. A medium changes sound into light energy for travel

Q23 Types (Combination, Decomposition, etc.)

A reaction occurs when two aqueous salt solutions are mixed, and an insoluble solid forms while the remaining ions stay dissolved in solution. Which type of reaction does this represent?

A. Combination reaction forming single product

B. Decomposition reaction requiring energy input

C. Displacement reaction involving metal exchange

D. Double displacement precipitation reaction

**Q24 Work, Energy & Power**

Which of the following is NOT necessary for work to be done?

A. Force must act

B. Displacement must occur

C. Energy must be stored



D. Force and displacement both must be present

Q25 Work, Energy & Power

A water tank of mass 500 kg is placed on the roof of a building 20 m above the ground. The acceleration due to gravity is $g = 10\text{m/s}^2$. If the tank is moved to the roof of another building that is twice as high as the first building, while its mass remains unchanged, what will be its new gravitational potential energy?

A. 200,000 J



B. 400,000 J

C. 50,000 J

D. 100,000 J



Q26 Annual Compounding

A sum of money amounts to ₹1,200 after 4 years and ₹2,400 after 8 years at compound interest. What is the principal?

- A. ₹640
- B. ₹598
- C. ₹575
- D. ₹600

**Q27 Annual Compounding**

Arun had ₹1,681 with him. He divided this amount between his sons, Mahesh and Vijay, and asked them to invest it at a rate of 5% per annum, compounded annually. It was observed that Mahesh and Vijay received the same amount after 14 years and 15 years, respectively. How much money (in ₹) did Arun give to Mahesh?

- A. 861
- B. 711
- C. 820
- D. 920

**Q28 Basic Profit & Loss**

A shopkeeper buys two watches for ₹1,200 each. He sells the first watch at a profit of 15% and the second watch at a loss of 10%. He then gives ₹100 cashback to the buyer who bought the first watch. What is the shopkeeper's overall profit or loss?

- A. ₹60 profit
- B. ₹15 profit
- C. ₹30 loss
- D. ₹40 loss

**Q29 Basic TSD**

Kaushal travelled for 2 hours 55 minutes at the speed of 24 km/h. At what speed (in km/h) should he travel to cover the same distance in 5 hours?

- A. 11
- B. 14
- C. 13
- D. 12

**Q30 Curved & Total Surface Area**

A cone has a slant height of 15 cm and the radius of its base is 9 cm. A sector of a circle with a radius of 15 cm and a central angle of 120° is used to make the cone. What is the total surface area of the cone?

- A. $216\pi \text{ cm}^2$
- B. $312\pi \text{ cm}^2$
- C. $226\pi \text{ cm}^2$
- D. $261\pi \text{ cm}^2$

**Q31 Dividing Quantity in Ratio**

A sum of money is divided amongst A, B, C and D in the ratio of 3 : 7 : 9 : 13. If the share of D is ₹6,890, then what will be the share of A (in ₹)?

- A. 1,500
- B. 1,590
- C. 1,560
- D. 1,530

**Q32 Find Principal**

If the simple interest earned on a sum for 3 years at 5% per annum is ₹1,500, what was the sum?

- A. ₹10,000
- B. ₹8,000
- C. ₹9,000
- D. ₹7,000

**Q33 HCF and LCM**

Two numbers are 12 and 18. What is the product of their HCF and LCM?

- A. 216
- B. 324
- C. 108
- D. 432

**Q34 HCF/LCM Word Problems**

The HCF and the LCM of two numbers are 4 and 288, respectively. If one of the numbers is 32, then what is the other number?

- A. 24
- B. 18
- C. 36
- D. 48



Q35 Leaving Midway

Anshu can do a piece of work in 24 days, and Kajal can do it in 28 days. They work together for 6 days after which Anshu leaves the work, and the remaining work is completed by Kajal alone. In how many days will the entire work be completed?

- A. 28 days
- B. 18 days
- C. 21 days
- D. 24 days

Q36 Mean Proportional

If 7 and 20 are two numbers, what is their mean proportional?

- A. $10\sqrt{15}$
- B. $16\sqrt{5}$
- C. $2\sqrt{35}$
- D. $14\sqrt{10}$

Q37 Median

The mean and the mode of a set of data are 46.6 and 45.1, respectively. Find the median of the data, using the empirical formula.

- A. 46.7
- B. 46.1
- C. 46.8
- D. 47.9

Q38 Price and Consumption

The price of petrol increases by 10%. By what percentage must a person reduce consumption so that the total expenditure on petrol increases by only 5%? (Round off your answer to two decimal places.)

- A. 4.15%
- B. 4.45%
- C. 4.55%
- D. 4.35%

Q39 Rectangle & Square

If the area of a rectangle is 12 cm^2 and its diagonal measures 5 cm, then find the perimeter of the rectangle.

- A. 16 cm
- B. 15 cm
- C. 14 cm
- D. 13 cm

Q40 Round Trip

A man can row at 9 km/h in still water. When the river flows at 5 km/h, it takes him 2.4 hours to row to a certain place and return. How far is the place? (Rounded off to 2 decimal places)

- A. 7.47 km
- B. 6.42 km
- C. 9.54 km
- D. 8.18 km

Q41 Rules for 2,3,4,5,6

If a 7-digit number 91056A4 is completely divisible by 3, what is the least value of A?

- A. 10
- B. 5
- C. 1
- D. 2

Q42 Successive Discount

The marked price of a cooker is same at four shops I, II, III and IV.
Shop I allows two successive discounts of 78% and 25%, shop II allows successive discounts of 83% and 29%, shop III allows successive discounts of 33% and 81%, and shop IV allows successive discounts of 84%, 83%, and 82% on the marked price of the cooker.
Which shop is selling the cooker at the lowest price?

- A. III
- B. IV
- C. I
- D. II

Q43 Two Successive Changes

The present salary of an officer is ₹15,000. It was increased by 10% in the first year, decreased by 20% in the second year. What was his salary at the end of the second year?

- A. ₹13,600
- B. ₹13,400
- C. ₹13,200
- D. ₹13,800



Q44 Weighted Average

The average daily wage of 90 workers in a factory is ₹140, and the average daily wage of female workers is ₹130. If one-third of the workers are male, what is the average daily wage of the male workers?

A. ₹164

B. ₹160



C. ₹152

D. ₹156

Q45 Weighted Average

A student scored 60 and 80 in two tests with weights 2 and 3, respectively. What is the weighted average score?

A. 73

B. 72



C. 75

D. 70

Q46 $(a+b)^2, (a-b)^2$

To a square plot having an area of $x \text{ m}^2$, a strip having an area of $\frac{1}{4}\sqrt{x} \text{ m}^2$ and a patch having an area of $a^2 \text{ m}^2$ are added. If the total area can now be expressed as a perfect square using powers of x and constants, find the positive value of a .

A. $\frac{1}{8}$



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

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

D. $\frac{1}{16}$

Q47 Basic Trigonometric Ratios

If θ is an acute angle and $9\sin\theta = 5$, then find the value of $\frac{2}{3}\sqrt{5 \cot^2\theta - 14 \tan^2\theta}$

A. $\sqrt{\frac{11}{5}}$



B. $\frac{5}{\sqrt{11}}$

C. $\frac{11}{\sqrt{5}}$

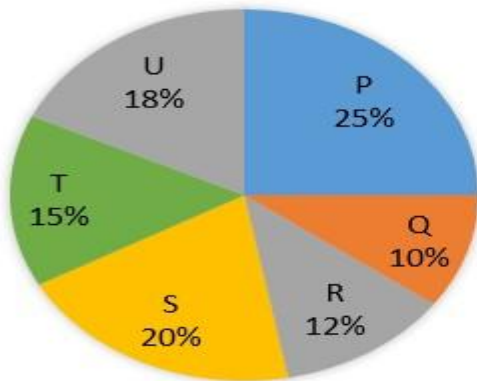
D. $\sqrt{\frac{5}{11}}$



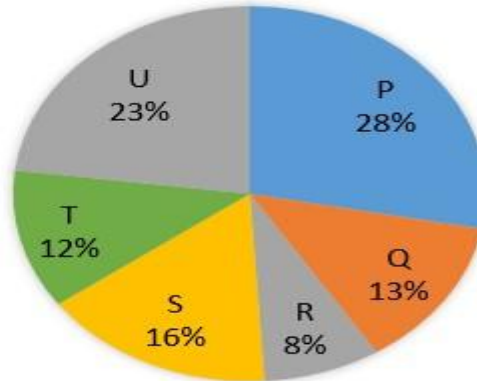
Q48 Double Pie Chart

Study the two pie charts and answer the question that follows. The first pie chart shows the percentage distribution of total population of six villages in 2024 and second pie chart shows the percentage distribution of female population in these six villages in 2024.

Total population of
six villages in 2024 = 1,50,000



Female population of
six villages in 2024 = 75,000



What is the total number of males in village T and P together?

- A. 37,500
- B. 60,000
- C. 75,000
- D. 30,000

**Q49 Parallel Lines & Transversal**

Two parallel lines are cut by a transversal. If one of the interior angles measures 70° , find the measure of the consecutive interior angle on the same side of the transversal.

- A. 35°
- B. 110°
- C. 70°
- D. 140°

**Q50 Trigonometric Identities**

Simplify the following.

$$\frac{\sin A - \sin B}{\cos A + \cos B} + \frac{\cos A - \cos B}{\sin A + \sin B} + \frac{2(1 + \cos A)(1 - \sin A)}{(1 - \sin A + \cos A)^2}$$

- A. $\sec A$
- B. 0
- C. $\sin A$
- D. 1



Q51 Day of Week Assignment

Each of Q, R, W, T, E, U and Y has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. E has an exam on Thursday. Exactly 4 people have their exam between R and U, neither of whom has an exam on Sunday. Q has an exam immediately before W. T does not have an exam on Friday. R does not have an exam after W.

Who has an exam immediately after E?

A. R

B. Y

C. U

D. W

Q52 Day of Week Assignment

Each of T, R, O, U, B, L and E has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. Only two people have exam before E. Only one person has exam after U. Only three people have exam between E and O. Only one person has exam between L and B. R has exam immediately before L. How many people have exam between T and L?

A. One

B. Three

C. Four

D. Two

Q53 Facing Center

Six friends, C, D, E, O, P and Q, are sitting around a circular table, facing the center of the table.

Only three people sit between E and Q when counted from the right of E. E sits second to the left of O. P sits third to the left of O. C is an immediate neighbor of both Q and O. How many people sit between D and C when counted from the right of D?

A. Three

B. None

C. One

D. Two

Q54 Facing Center

Seven people, P, Q, S, T, U, V, and W, are sitting around a circular table, facing the centre of the table. Only W sits between U and P. P sits third to the left of S. V sits immediately to the left of S. Q is not an immediate neighbour of P. Based on the given information, who is sitting second to the right of T?

A. S

B. Q

C. V

D. P

Q55 Floor/Building Arrangement

Seven boxes B, F, G, H, R, T and Y kept one over the other but not necessarily in the same order. No box is kept above R. Only three boxes are kept between R and B. Only one box is kept between Y and H. H is kept immediately above B. Only four boxes are kept between Y and G. F is kept at some place above T. How many boxes are kept below T?

A. 3

B. 1

C. 4

D. 2

Q56 Group Pattern

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

ILA KOF MRK OUP ?

A. QYV

B. RYU

C. QXU

D. PYW

Q57 Letter to Number Mapping

In a certain code language, 'DEAL' is coded as '5714' and 'EARL' is coded as '8541'. How is 'R' coded in that language?

A. 1

B. 4

C. 8

D. 5



Q58 Mathematical Operations

If 2 is added to each even digit and 2 is added to each odd digit in the number 3761254, what will be the sum of the last two and the first two digits in the new number thus formed?

A. 23

B. 27 ☒

C. 20

D. 29

Q59 Missing Number

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

295 299 308 324 349 ?

A. 396

B. 368

C. 371

D. 385 ☒**Q60 Multiple Turns**

Mr. Sangay starts from Point A and drives 26 km towards the north. He then takes a left turn, drives 19 km, turns left and drives 12 km. Next, he takes a right turn, drives 15 km, turns left and drives 42 km. He then takes a left turn and drives 39 km. He takes a final left turn, drives 28 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degree turns only, unless specified.)

A. 5 km towards the west ☒

B. 12 km towards the north

C. 16 km towards the east

D. 12 km towards the south

Q61 Number Series

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

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

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

(NOTE: 1 is also a perfect square.)

A. One ☒

B. Two

C. None

D. Three

Q62 Operation Based

91 is related to 182 following a certain logic. Following the same logic, 104 is related to 208. To which of the given options is 117 related, following the same logic?

(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 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.)

A. 243

B. 221

C. 256

D. 234 ☒**Q63 Operation Based**

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 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.)

16 - 22

13 - 19

A. 2 - 8 ☒

B. 6 - 16

C. 45 - 59

D. 10 - 17

Q64 Operator Swap

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

 $56 - 3 \div 19 + 81 \times 9 = ?$

A. 182

B. 184

C. 175

D. 178 ☒

Q65 Operator Swap

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

4 B 2 D 18 A 6 C 3 = ?

A. 2

B. 5

C. 8

D. 6

Q66 Pattern Based

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

EIM : OSW

HLP : RVZ

A. LPT : VYC

B. SWA : CGK

C. GLQ : JNR

D. NRV : XBE

Q67 Pattern Based

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: QRU :: FGJ : %

A. # = LMH , % = KMP

B. # = LMP , % = KLO

C. # = LMD , % = KMS

D. # = LMB , % = KMJ

Q68 Pattern Based

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

VAN-AFS

FKX-KPC

A. PUH-ZUM

B. POH-UZM

C. PUH-UZM

D. UZM-PUC

Q69 Position Pattern

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. ML - IK

B. ON - KJ

C. SR - ON

D. FE - BA

Q70 Position Pattern

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the 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. QWB

B. SYD

C. AGL

D. IOU

Q71 Shifting Pattern (+1, +2, etc.)

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

A. N

B. T

C. I

D. F

Q72 Shifting Pattern (+1, +2, etc.)

This question is based on the following words.

(Left) SKY ITS NOT LTD (Right)

In each of the words, each vowel 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. In how many letter-clusters thus formed, will no vowel appear?

A. Four

B. Two

C. Three

D. One



Q73 Shifting Pattern (+1, +2, etc.)

Each vowel in the word EXPLAIN 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 be fifth from the left in the new group of letters thus formed?

A. C

B. A

C. D

D. B

**Q74 Shifting Pattern (+1, +2, etc.)**

This question is based on the given words.

TEA BUN PEN VAN

In each of the words, each vowel 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. In how many letter-clusters thus formed, will no vowel appear?

A. None

B. One



C. Three

D. Four

Q75 Symbol Based

In a certain code language,

'A # B' means 'A is the son of B',

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

'A - B' means 'A is the wife of B' and

'A @ B' means 'A is the father of B'.

How is S related to U if 'S # M @ H - Y % U'?

A. Brother's wife's brother



B. Wife's brother

C. Wife's father

D. Brother's wife's father

Q76 Symbol Based

In a certain code language,

A ^ B means 'A is the wife of B',

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

A £ B means 'A is the father of B' and

A € B means 'A is the sister of B'.

Based on the above, how is P related to U if 'P ^ Q £ S € T ! U'?

A. Sister

B. Mother



C. Mother's sister

D. Wife

Q77 Symbol Included Pattern

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

(Left) K L # O ^ & A M B + S # % @ A S X C V B ? Y \$ % + * S W L P T ? B G % Y (Right)

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

A. 2

B. 3



C. 5

D. 4

Q78 Symbol Included Pattern

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

(Left) * & * 1 % < > 5 \ / * @ 4 1 < + ? * \$ + 8 (Right)

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

A. 2

B. 3



C. 1

D. 4



Q79 Two Statement Sufficiency

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Q. Five people – **Riya, Sanjay, Tanu, Umesh, and Varsha** – are seated in a single row facing west.

Who is seated third from the left end?

(I) Only one person is sitting between Riya and Sanjay.

Tanu is an immediate neighbour of Riya.

(II) Varsha is sitting at the extreme right end, and Umesh is sitting immediately to the left of Varsha.

A. Data in Statement I alone is sufficient to answer the question while data in Statement II is not

B. Both statements I and II together are NOT sufficient to answer the question

C. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question

D. Data in Statement II alone is sufficient to answer the question while data in Statement I is not

Q80 Word to Code Mapping

In a certain code language, 'blue sky high' is coded as 'ka pe su' and 'high above all' is coded as 'su qr lm'. How is 'high' coded in the given language? (All the codes are two-letter codes only.)

A. lm

B. su

C. ka

D. qr

General Awareness

20 Questions • Answer Key

Q81 Civilian Awards

In May 2026, Prime Minister Narendra Modi received which of the following prestigious honours from Sweden?

A. Royal Order of the Golden Star, Degree Commander Grand Cross

B. Royal Order of the Polar Star, Degree Commander Grand Cross

C. Royal Order of the Silver Star, Degree Commander Grand Cross

D. Royal Order of the Northern Star, Degree Commander Grand Cross

Q82 Defense & Technology

In May 2026, where did Defence Minister Rajnath Singh inaugurate a private sector defence manufacturing complex in Maharashtra?

A. Shirdi

B. Tarapur

C. Lasalgaon

D. Chakan

Q83 Governance & Administration

Which administrative authority is responsible for conducting the Census 2027 exercise in India?

A. National Informatics Centre of India

B. Ministry of Statistics and Programme Implementation

C. Registrar General and Census Commissioner of India

D. Election Commission of India

Q84 Government Policies & Schemes

The PM Surya Ghar: Muft Bijli Yojana, under which more than 26 lakh households had benefited by December 2025, contributes most directly to which Sustainable Development Goal (SDG) through promotion of rooftop solar energy and reduction of dependence on fossil fuels?

A. SDG 9

B. SDG 15

C. SDG 12

D. SDG 7



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Q85 Government Policies & Schemes

Which scheme of the Ministry of MSME achieved a major employment-generation milestone during the 15th Finance Commission period, as reported in May 2026?

- A. Deen Dayal Antyodaya Yojana (DAY-NRLM)
- B. Skill India Mission (SIM)
- C. Prime Minister's Employment Generation Programme (PMEGP) ✓
- D. Pradhan Mantri Mudra Yojana (PMMY)

Q86 HDI, GHI, etc.

According to the World Press Freedom Index 2026, released by Reporters Without Borders (RSF), which country ranked 1st — a position it has now held for 10 consecutive years?

- A. Sweden
- B. Norway ✓
- C. Finland
- D. Denmark

Q87 International Sports Awards

At the 2026 Laureus World Sports Awards, who received the Laureus World Sportsman of the Year Award?

- A. Jannik Sinner
- B. Roger Federer
- C. Max Verstappen
- D. Carlos Alcaraz ✓

Q88 Key Announcements

The Budget for 2026–27 provides an allocation of ₹924.35 crore for which of the following missions?

- A. National Health Mission
- B. Swachh Bharat Mission
- C. Smart Cities Mission
- D. Khelo India Mission ✓

Q89 Key Announcements

What does SHAKTI stand for in the Biopharma SHAKTI initiative announced in the Union Budget 2026–27?

- A. Sustainable Health Advancement through Knowledge and Technological Integration
- B. Scientific Health and Advanced Knowledge for Translational Innovation
- C. Strategic Hub for Artificial Knowledge and Technical Integration
- D. Strategy for Healthcare Advancement through Knowledge, Technology and Innovation ✓

Q90 Military Exercises

Where was PRAGATI 2026, a major multilateral military exercise led by India with participation from 12 friendly nations, held in May 2026?

- A. Meghalaya ✓
- B. Rajasthan
- C. Punjab
- D. Assam

Q91 Missile Tests & Systems

From which test range did DRDO successfully conduct three flight tests of the Very Short Range Air Defence System (VSHORADS) in February 2026?

- A. Thumba Equatorial Rocket Range, Kerala
- B. Integrated Test Range, Chandipur ✓
- C. Pokhran Field Range, Rajasthan
- D. Balasore Missile Complex, West Bengal

Q92 National Current Affairs

On June 2nd, 2026, which state celebrated the 12th year of its formation?

- A. Telangana ✓
- B. Jharkhand
- C. Uttarakhand
- D. Chhattisgarh

Q93 National Current Affairs

South Coast Railway (SCoR), which became operational from June 1, 2026, is India's _____.

- A. 14th railway zone
- B. 18th railway zone ✓
- C. 16th railway zone
- D. 20th railway zone



Q94 National Current Affairs

Who released a commemorative book on Operation Sindoor in May 2026, featuring personal testimonies of 100 officers, sailors, airmen and soldiers who participated in the mission?

A. Rajnath Singh



B. Droupadi Murmu

C. Amit Shah

D. Narendra Modi

Q95 New Parks & Reserves

Which bird sanctuary in Uttar Pradesh was included in the list of Ramsar sites in April 2026?

A. Udhwa Lake Bird Sanctuary

B. Vedanthangal Bird Sanctuary

C. Shekha Jheel Bird Sanctuary



D. Chitrangudi Bird Sanctuary

Q96 New Schemes & Programs

In April 2026, the Union Government officially operationalised India's first dedicated venture capital fund for space startups to accelerate the private space tech ecosystem. What is the official name of this fund?

A. National DeepTech Fund of Funds

B. Digital Space Bharat Nidhi

C. Antariksh Venture Capital Fund



D. IN-SPACE Seed Capital Fund

Q97 New Schemes & Programs

Which of the following schemes was launched by the Government of India in February 2026?

A. PM Vishwakarma Scheme

B. Bharat-VISTAAR



C. PM Kisan Samman Nidhi (PM-KISAN)

D. Jal Jeevan Mission

Q98 Policy Changes & Amendments

Within what period must every National Sports Body amend its bye-laws to bring them into conformity with the National Sports Governance Act, 2025, and the Rules, 2026?

A. Three months

B. Six months



C. Twelve months

D. Nine months

Q99 Recent ISRO Missions

Which specific launch vehicle was used to carry the NISAR satellite into orbit from Sriharikota in 2025?

A. PSLV-C58

B. GSLV-F16



C. LVM3-M4

D. Falcon 9

Q100 Recent Tournaments

Who won the gold medal in the men's javelin event at the World Para Athletics Grand Prix 2026 in New Delhi?

A. Sumit Antil



B. Sundar Singh Gurjar

C. Mariyappan Thangavelu

D. Devendra Jhajharia



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General Science

25 Questions • Answer Key

Q1 Atomic Structure & Models

An element X forms an ion X^{2+} . If the neutral atom of X has 20 electrons, how many electrons are present in the ion?

- A. 20
- B. 24
- C. 22
- D. 18



Q2 Atomic Structure & Models

What does the valency of an element indicate?

- A. The total number of electron shells present in an atom
- B. The mass of the atom measured in atomic mass units
- C. The total number of neutrons present in the nucleus
- D. The combining capacity of an atom in chemical reactions



Q3 Balancing Chemical Equations

A student writes the skeletal equation for the reaction of zinc with nitric acid.



After balancing the equation with the **smallest whole number coefficients**, what will be the **sum of all coefficients** in the balanced equation?

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



Q4 Classification of Organisms

A tribal community identifies wild mushrooms for food and medicine. Which property is most relevant to their nutritional and medicinal value?

- A. Colorful cap pattern presence
- B. Structural similarity to plants
- C. Rapid spore production capability
- D. High content of bioactive compounds



Q5 Classification of Organisms

A fungal culture in a laboratory is observed to grow best when kept in a warm and moist incubator. Which aspect of its biology is directly influenced by these conditions?

- A. High energy storage in vacuoles
- B. Increased pigment production
- C. Optimal spore germination and growth
- D. Maximum rate of cell division



Q6 Current Electricity (Ohm's Law, Circuits)

Why does a metal filament bulb glow when electric current passes through it?

- A. A chemical reaction in the filament produces light
- B. The filament offers resistance, converting electrical energy to heat and light
- C. The filament conducts current with zero resistance
- D. The filament is magnetized by the current



Q7 Current Electricity (Ohm's Law, Circuits)

A science project requires a variable resistor to adjust the current in a circuit. Which symbol should be used in the schematic diagram to represent this component?

- A. A zigzag line with an arrow across it
- B. Parallel long and short lines
- C. A simple zigzag line
- D. A straight line with a gap and bridge



Q8 Digestive System

Which enzyme released by the gastric glands helps digest proteins in the stomach?

- A. Lipase
- B. Amylase
- C. Pepsin
- D. Maltase



Q9 Digestive System

Why is maintaining a specific pH crucial for digestive enzymes in the human stomach?

- A. To ensure the correct shape and activity of enzymes like pepsin ✓
- B. To neutralise excess stomach acid
- C. To absorb water more efficiently
- D. To prevent the growth of harmful bacteria

Q10 Ecosystem & Food Chain

If a non-biodegradable chemical enters the food chain at a concentration of 0.02 ppm in water, what will happen over time?

- A. It will disappear completely from the ecosystem
- B. It will show maximum accumulation at the highest trophic level ✓
- C. Its concentration will decrease at higher trophic levels
- D. It will remain only within the producers

Q11 Hydrocarbons (Methane, Ethane, etc.)

Which combination of conditions is most likely to lead to the formation of petroleum from marine sediments?

- A. High pressure, high temperature, anaerobic conditions ✓
- B. Low temperature, low pressure, aerobic conditions
- C. Low pressure, high temperature, aerobic conditions
- D. High temperature, low pressure, aerobic conditions

Q12 Matter & Its Properties

Which statement correctly shows that a chemical change is different from a physical change?

- A. Chemical change changes only appearance, while physical change forms new substances.
- B. Chemical change affects only size and shape, while physical change affects composition.
- C. Chemical change results in a new substance, while physical change does not. ✓
- D. Chemical change is always reversible, while physical change is never reversible.

Q13 Mechanics

Which quantity can never be negative in one-dimensional motion?

- A. Path length ✓
- B. Change in position
- C. Velocity
- D. Displacement

Q14 Mechanics

A lever provides mechanical advantage greater than 1 when _____.

- A. Fulcrum is absent
- B. Effort arm is longer than load arm ✓
- C. Load arm is longer than effort arm
- D. Both arms are equal

Q15 Mirrors & Lenses

A physics teacher asks students to create a scenario where a concave mirror is used for shaving to get a large, upright image of the face. Where must the face be positioned relative to the mirror for this result?

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

Q16 Newton's Laws of Motion

Which scenario does NOT correctly represent an action-reaction pair as per Newton's third law?

- A. A book pressing down on a table and gravity pulling the book down ✓
- B. Rocket exhaust gases pushing backward and air pushing the rocket forward
- C. A bat hitting a ball and the ball pushing back on the bat
- D. Feet pushing the ground and the ground pushing back while walking

Q17 Plant Biology

Which type of plant movement is caused by growth in response to a stimulus?

- A. Rapid contraction
- B. Directional growth ✓
- C. Random growth
- D. Circular growth

Q18 Plant Tissues & Transport

In plants, growth is restricted to specific regions because of the presence of dividing tissues, which are also known as _____.

- A. Meristematic tissues ✓
- B. Vascular tissues
- C. Supportive tissues
- D. Permanent tissues



Q19 Reactivity Series

When a zinc strip is dipped into a solution of iron(II) sulphate, what will happen?

- A. No reaction occurs
- B. Zinc displaces iron from the solution. ✓
- C. Iron deposits on zinc, and hydrogen gas is evolved.
- D. Zinc gets coated with iron oxide.

Q20 Reflection & Refraction

When a ray of light passes through a triangular glass prism, the emergent ray is generally not parallel to the incident ray. Which of the following best explains this observation?

- A. The two refracting faces of the prism are inclined to each other, causing an overall deviation of the light ray. ✓
- B. The parallel faces of the prism produce equal refractions that cancel each other.
- C. The light ray undergoes complete reflection at both faces of the prism.
- D. The light ray passes through the prism uniformly without any change in direction.

Q21 Reproductive System

A woman experiences heavy and prolonged menstrual bleeding. Her doctor suspects a problem related to the endometrium. Which physiological process is most directly affected to cause this symptom?

- A. Decreased ovarian hormone production
- B. Excessive shedding of endometrial tissue ✓
- C. Reduced blood vessel formation
- D. Delayed release of the ovum

Q22 Respiratory System

In animals, anaerobic respiration primarily results in the formation of ____.

- A. Water
- B. Glucose
- C. Carbon dioxide
- D. Lactic acid ✓

Q23 Soaps & Detergents

What is the principal mechanism by which soap removes oily dirt from fabrics?

- A. Soap chemically reacts with oil to convert it into soluble alcohol
- B. Soap increases viscosity and dissolves impurities directly in water
- C. Soap molecules reduce surface tension and form micelles trapping dirt ✓
- D. Soap evaporates water content and separates dirt through sublimation

Q24 Ultrasound & Applications

How can ultrasound be used to detect flaws in a metal block?

- A. By observing visible movement inside the block
- B. By measuring the reflection of waves at internal cracks ✓
- C. By heating the block with the ultrasound
- D. By measuring the color of the metal

Q25 Work, Energy & Power

A child swings on a swing. At which point is the child's kinetic energy the greatest, based on the law of conservation of energy?

- A. At the highest point of the swing
- B. In the middle between highest and lowest points
- C. Kinetic energy is equal at all points
- D. At the lowest point of the swing ✓



Q26 Arithmetic Mean

Calculate the mean of the following numbers: 283, 261, 253, 175, 186 and 192

A. 235

B. 220

C. 230

D. 225

**Q27 Direct Proportion**

If one dozen notebooks cost ₹360, then what will be the cost of 5 such notebooks?

A. ₹160

B. ₹150



C. ₹120

D. ₹180

Q28 Equal Installments

Mr. X borrowed an amount of ₹50,000 for 40 months. If he repaid ₹1,625 as monthly installment, then find the simple rate of interest.

A. 9%



B. 8%

C. 7.5%

D. 6.8%

Q29 Find Principal

A certain sum of money is invested at simple interest for 3 years at 3% per annum. The simple interest earned is equal to half of the compound interest earned on ₹6,000 invested for 2 years at 6% per annum, compounded annually. Find the sum invested at simple interest.

A. ₹4,120



B. ₹4,350

C. ₹3,650

D. ₹3,890

Q30 Finding Value from Percentage

In an election, a total of 8,000 votes were cast. Candidate X received 55% of the total votes. Find the number of votes received by candidate X.

A. 4,000

B. 4,400



C. 4,600

D. 4,200

Q31 Half-Yearly Compounding

The compound interest (in ₹, rounded off to the nearest tens) on ₹12,000 at the rate of 10% per annum for 1.5 years, if interest is compounded half-yearly, is:

A. 1,870

B. 1,980

C. 1,890



D. 1,970

Q32 Interior/Exterior Angle Formulas

Let A be a regular polygon such that each interior angle of A exceeds its exterior angle by 120° . Find the number of sides of A.

A. 18

B. 10

C. 12



D. 15

Q33 MP with Discount and Profit

A trader gains 50% by selling an article after two successive discounts of 25% and 80% on its marked price. If the cost price of the article is increased by 74%, then what single discount should he now give on the same marked price to get the same profit percentage as earlier?

A. 69.5%

B. 72.62%

C. 73.9%



D. 66.56%



Q34 Proportion

If the numbers 25, 35, 45.2, and x are in proportion, find the value of x .

A. 63.28



B. 52.56

C. 70.78

D. 56.23

Q35 Proportion

Find the fourth proportional to 2.5, 4, and 10.

A. 12

B. 16



C. 14

D. 18

Q36 Relative Speed

A train leaves Station A for Station B at 7:00 a.m., traveling at a speed of 80 km/h. Another train leaves Station B for Station A at 8:30 a.m., traveling at 100 km/h on the same track. If the distance between the two stations is 550 km, at what time will the two trains meet each other?

A. 10:35:20 a.m.

B. 10:52:20 a.m.

C. 10:53:20 a.m.



D. 10:53:21 a.m.

Q37 Rules for 2,3,4,5,6

If a 7-digit number 87321A6 is completely divisible by 6, what is the least value of A?

A. 0



B. 3

C. 1

D. 2

Q38 Simple Mean

What is the average of 2, 4, 6, and 8?

A. 4

B. 7

C. 6

D. 5

**Q39 Simultaneous Fill & Empty**

A water tank has two inlet pipes A and B, and one outlet pipe C. Pipe A alone can fill the tank in 12 hours, pipe B alone can fill it in 18 hours, and pipe C alone can empty the full tank in 24 hours. If all three pipes are opened together, in how much time will the tank be filled? (Rounded off to one decimal place)

A. 11.2 hours

B. 10.3 hours



C. 9.5 hours

D. 12.5 hours

Q40 Two Successive Changes

A trader purchases oil at ₹500 per barrel. He first increases the price by 20% and later decreases the increased price by 10%. What is the final price per barrel?

A. ₹550

B. ₹560

C. ₹540



D. ₹500

Q41 Two Trains Crossing

A train 500 m long and traveling at 72 km/h crosses another train 410 m long and moving at 54 km/h in the opposite direction. How much time will it take for the trains to completely cross each other?

A. 18 seconds

B. 26 seconds



C. 32 seconds

D. 40 seconds

Q42 Volume

The volume and height of a cylinder are 1232 cm^3 and 24.5 cm, respectively. Find the radius (in cm) of the cylinder. (Use $\pi = 22/7$)

A. 4



B. 5

C. 10

D. 11



Q43 Area of Regular Polygons

A regular hexagonal garden has each side measuring 21 m. A circular fountain of radius 7 m is built at the centre. Find the area (rounded off to one decimal place) of the remaining garden.

(Use $\pi = \frac{22}{7}$ and $\sqrt{3} = 1.73$)

A. 996.4 m²

B. 981.4 m²

C. 990.4 m²



D. 986.4 m²

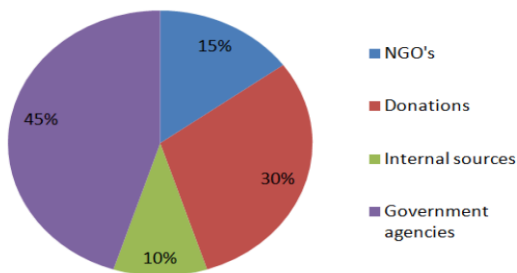
Q44 Double Pie Chart

Study the following pie charts carefully and answer the question given below it.

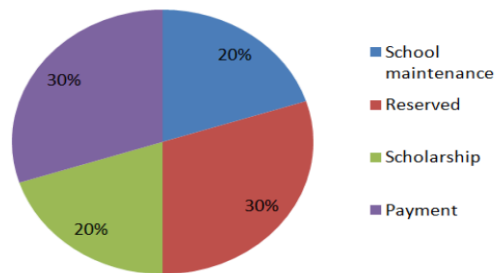
The entire fund that school gets from different sources is equal to ₹700 lakh.

If the school managed school maintenance from the government agencies fund only, how much fund (in ₹) from government agencies would still be left for other uses?

Sources of funds in school



Uses of funds by school



A. 165 lakh

B. 155 lakh

C. 175 lakh



D. 185 lakh

Q45 Family Age Problems

The sum of the present ages of a mother and her daughter is 50 years. Five years ago, the mother was seven times as old as her daughter. What is the present age of the daughter?

A. 12 years

B. 14 years

C. 11 years

D. 10 years



Q46 MP with Discount and Profit

A dealer buys an article at a discount of 25% on its list price and marks it at 35% above the list price. If he allows a discount of 20% on the new marked price, find his profit percent.

A. 44%



B. 34%

C. 42%

D. 36%

Q47 Mean of Grouped Data

If the mean of the following data is 49, then what is the value of x?

Class	20-30	30-40	40-50	50-60	60-70
Frequency	24	34	15	36	x

A. 61

B. 84

C. 56



D. 77

Q48 Pythagorean Identities

If $\cos\theta + \cos^2\theta = \sec^2\theta - \tan^2\theta$, then the value of $\sin^2\theta + \sin^4\theta$ is:

A. 0

B. cosec θ

C. 1

D. $\cos^2\theta$ **Q49** $a^2 - b^2$

Simplify: $\sqrt{(272)^2 - (128)^2}$.

A. 256

B. 200

C. 144

D. 240

**Q50** $\sin^2 + \cos^2 = 1$

For an acute angle θ , if $\sin\theta + \cos\theta = \sqrt{2}$, find the value of $\sin^4\theta + \cos^4\theta$.

A. $\frac{1}{\sqrt{2}}$

B. 1

C. $\frac{1}{2}$ D. $\frac{1}{4}$ 

Q51 Alpha-Numeric Series

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

(Left) B G P W P Z L Q J K V I V Z E R I F F M I (Right)

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

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

**Q52 Day of Week Assignment**

Each of Q, R, W, T, E, U and Y has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. T has an exam on Friday. Exactly three people have an exam between R and U, neither of whom has an exam on Sunday. W has an exam immediately after E. Q has an exam immediately before U. Who has an exam immediately after W?

- A. T
- B. U
- C. R
- D. E

**Q53 Facing Center**

A, B, C, D, E, and F are sitting in a circle, facing the center. D sits to the immediate left of F. B sits third to the right of D. Only two people sit between E and C when counted from the left of E. A is the immediate neighbor of E. How many people sit between F and B when counted from the left of B?

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

**Q54 Forming Meaningful Word**

How many meaningful five-letter English words can be formed using O, N, W, M and A using all the letters but each letter only once in each word?

- A. None
- B. Two
- C. One
- D. More than two

**Q55 Group Pattern**

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

YDB UHE QLH MPK ?

- A. OPS
- B. NTO
- C. NTL
- D. ITN

**Q56 Letter to Number Mapping**

In a certain code language, 'NUKE' is coded as '6148' and 'UREN' is coded as '9418'. What is the code for 'R' in the given code language?

- A. 4
- B. 9
- C. 8
- D. 1

**Q57 Letter to Number Mapping**

In a certain code language, 'BOST' is coded as '7816' and 'STOM' is coded as '8764'. What is the code for 'M' in the given code language?

- A. 6
- B. 7
- C. 8
- D. 4

**Q58 Letter to Number Mapping**

In a certain code language, 'BARK' is coded as '1849' and 'RACK' is coded as '6941'. What is the code for 'C' in the given code language?

- A. 1
- B. 6
- C. 4
- D. 9



Q59 Letters in a Given Word

This question is based on the given words.

RED BUS HOP FIT

In each of the words, each vowel 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. In how many letter-clusters thus formed, will no vowel appear?

A. One



B. Two

C. None

D. Four

Q60 Linear Family Relations

K is married to M. E is the mother of V. T is married to E. M is the sister of V. How is T related to K?

A. Wife's sister

B. Husband's mother

C. Sister's husband

D. Wife's father

**Q61 Missing Number**

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

185 210 246 295 359 ?

A. 433

B. 401

C. 411

D. 440

**Q62 Multiple Turns**

Mr. Norzang starts from Point A and drives 19 km towards South. He then takes a right turn, drives 29 km, turns right and drives 12 km. He then takes a right turn and drives 16 km. He then takes a right turn, drives 8 km, turns left and drives 2 km. He takes a final left turn, drives 15 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

A. 7 km to the South

B. 11 km to the West

C. 7 km to the North

D. 11 km to the East

**Q63 Operation Based**

39 is related to 117 following a certain logic. Following the same logic, 46 is related to 138. To which of the given options is 54 related, following the same logic?

(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 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.)

A. 156

B. 168

C. 174

D. 162

**Q64 Operation Based**

Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number result(s) in the second number. Similarly, certain mathematical operation(s) on the second number result(s) in the third number and so on. Which of the given options follows the same set of operations as in the given sets? (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

8 - 10 - 12 - 24
12 - 14 - 16 - 32

A. 9 - 11 - 13 - 24

B. 11 - 13 - 15 - 32

C. 10 - 12 - 14 - 28



D. 16 - 18 - 20 - 28

Q65 Operator Swap

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

4 S 5 P 21 Q 7 R 1 = ?

A. 30

B. 34



C. 44

D. 39



Q66 Operator Swap

If '+' means 'subtraction', '-' means 'multiplication', 'x' means 'division' and '÷' means 'addition', then what will come in place of the question mark (?) in the following equation?

$$15 \times 5 \div 12 - 2 + 11 = ?$$

A. 27

B. 20

C. 16



D. 23

Q67 Operator Swap

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

$$68 - 2 \div 21 + 63 \times 9 = ?$$

A. 150



B. 170

C. 140

D. 160

Q68 Pattern Based

KG 1 is related to MH 4 in a certain way. In the same way, OQ 9 is related to QR 12. To which of the given options is SM 5 related, following the same logic?

A. UN 8



B. NQ 12

C. OP 14

D. NP 14

Q69 Pattern Based

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: VWS :: YZV : %

A. # = WXT, % = XYU



B. # = WZV, % = XYU

C. # = WXT, % = XXV

D. # = WXS, % = WXT

Q70 Pattern Based

RKZG is related to MEUA in a certain way based on the English alphabetical order. In the same way, JNCL is related to EHXF. To which of the following is ADMQ related to, following the same logic?

A. VYHJ

B. VXHK



C. WYIJ

D. WXYK

Q71 Position Pattern

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the 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. ECZ

B. JHE

C. DBX



D. RPM

Q72 Position Pattern

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. KM - PR

B. PR - UW

C. DF - IL



D. RT - WY

Q73 Position from Left/Right

In a class of 27 students, Neha is ranked 6th from the top. What is her rank from the bottom?

A. 21st

B. 22nd



C. 23rd

D. 20th



Q74 Position from Left/Right

Amit is standing in a row of 35 people facing north. He is 10th from the left end. If Sunil stands 5th to the left of Amit, what is Sunil's position from the left end?

A. 8th

B. 11th

C. 5th



D. 6th

Q75 Rearrangement of Letters

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

A. Two



B. Three

C. One

D. None

Q76 Shifting Pattern (+1, +2, etc.)

This question is based on the following words.

FUN TOP MIX LED

In each of the words, each vowel 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. In how many letter-clusters thus formed, will no vowel appear?

A. Two



B. None

C. One

D. Three

Q77 Single Row (One-way/Both-way)

Six people C, D, E, O, P and Q are sitting in a row facing north. Only two people sit to the left of Q. Only two people sit between Q and O. P sits second to the left of O. Only one person sits between P and E. D sits at some place to the left of C. How many people sit to the right of D?

A. Four

B. Five



C. Three

D. Two

Q78 Symbol Based

In a certain code language,
 $A \wedge B$ means 'A is the father of B',
 $A \# B$ means 'A is the brother of B',
 $A \Omega B$ means 'A is the daughter of B' and
 $A \pm B$ means 'A is the wife of B'.

Based on the above, how is C related to R if ' $C \Omega L \wedge M \pm P \# R$ '?

A. Mother's mother's sister

B. Sister

C. Brother's wife's sister



D. Mother's mother

Q79 Symbol Included Pattern

Refer to the given letter, number and symbol series and answer the question that follows. Counting to be done from left to right.

(Left) H 5 K & D # 6 G 7 A L % J Q 4 B F 9 @ Y 2 P S 8 C
 (Right)

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

A. Four

B. One



C. Two

D. Three

Q80 Symbol Included Pattern

Refer to the given letter and symbol series and answer the question that follows.

(Left) L P # & M N + A S \$ % @ H J L P @ & X ? W B H P L &
 + X Z F ? % W @ P L (Right)

If all the symbols are dropped, then how many letters are there in the English alphabetical series between the letter that is fourth from the right end and the letter that is fourth from the left end of the series?

A. 8

B. 10

C. 5

D. 7



Q81 Budget Process & Calendar

In January 2026, the Economic Survey 2025–26 was presented in Parliament before which event?

- A. Release of Census Report
- B. Publication of Labour Survey
- C. Presentation of Union Budget ✓
- D. Announcement of Monetary Policy

Q82 Civilian Awards

Which of the following sportspersons was awarded the Padma Shri award 2026 as a para-athlete?

- A. Savita Punia
- B. Rohit Sharma
- C. Praveen Kumar ✓
- D. K. Pajanivel

Q83 Cricket (IPL, WC, etc.)

The ICC Men's T20 World Cup 2026 was jointly hosted by which of the following countries?

- A. Pakistan and Bangladesh
- B. Pakistan and United Arab Emirates
- C. Pakistan and Sri Lanka
- D. India and Sri Lanka ✓

Q84 Environment Current Affairs

Which ministry of the Government of India released the Thematic SDG Bulletin – 'Planet in Focus: Advancing Environmental Sustainability under the SDGs' in March 2026?

- A. Ministry of Rural Development
- B. Ministry of Statistics and Programme Implementation ✓
- C. Ministry of Environment, Forest and Climate Change
- D. Ministry of Panchayati Raj

Q85 Individual Records

Who created IPL history by becoming the Indian batter with the most sixes in a single season in May 2026?

- A. Ishan Kishan
- B. Vaibhav Sooryavanshi ✓
- C. Abhishek Sharma
- D. Priyansh Arya

Q86 International Awards

Which Indian politician in May 2026 received the prestigious Food and Agriculture Organization (FAO) Agricola Medal in Rome for their contributions to sustainable agriculture?

- A. Droupadi Murmu
- B. Narendra Modi ✓
- C. Amit Shah
- D. Chandrababu Naidu

Q87 International Current Affairs

According to the TIME100 list of the 100 Most Influential People of 2026, which individual appeared on the list for the most times — making his 14th appearance?

- A. Sundar Pichai
- B. Donald Trump
- C. Xi Jinping ✓
- D. Benjamin Netanyahu

Q88 Key Announcements

In the Union Budget 2026–27, a provision of ₹1,000 crore was made for the India Semiconductor Mission (ISM) 2.0 with a strong emphasis on which of the following?

- A. Increase subsidies for mineral exports
- B. Drive industry-led research and training centres ✓
- C. Promote foreign direct investment in mining
- D. Expand public sector manufacturing units

Q89 Missile Tests & Systems

In May 2026 which organizations conducted the maiden flight-trial of the Tactical Advanced Range Augmentation (TARA) weapon?

- A. Defence Research and Development Organisation and Indian Air Force ✓
- B. Indian Air Force and Bharat Dynamics Limited
- C. Indian Army and Defence Research and Development Organisation
- D. Indian Navy and Defence Research and Development Organisation



Q90 Missile Tests & Systems

What is the name of the indigenous missile whose final trials was successfully completed in both air-to-ground and air-to-air modes by DRDO in May 2026?

- A. ULPGM-V5
- B. ULPGM-V2
- C. ULPGM-V4
- D. ULPGM-V3



Q91 Modern Indian Authors

Who is the author of the book "Tides of Time: Bharat's History through Murals in Parliament", which was launched by Vice-president of India Shri. C. P. Radhakrishnan in April 2026?

- A. Smt. Droupadi Murmu
- B. Shri. Robin Sharma
- C. Shri. Chetan Bhagat
- D. Smt. Sudha Murthy



Q92 National Current Affairs

In which city did Indian Railways inaugurate the CHIRAG Centre in May 2026 to modernise HR governance through AI?

- A. Hyderabad
- B. Kolkata
- C. Bhopal
- D. Kanpur



Q93 National Current Affairs

During the National Conclave on "Minorities Welfare Inclusive Development through AI for Viksit Bharat" held on 14th May, 2026, which primary technological driver did the ministry seek to integrate into welfare programs?

- A. Geospatial remote sensing satellites
- B. Blockchain ledger security networks
- C. Artificial Intelligence (AI) solutions
- D. Quantum computing network nodes



Q94 New Schemes & Programs

In a unique move to combat bribery in public offices, which state government launched 'Project Zero' in May 2026, offering a cash reward to citizens who submit visual evidence of bribe demands?

- A. Tamil Nadu
- B. Maharashtra
- C. Kerala
- D. Karnataka



Q95 New Schemes & Programs

What is the official name of the new road safety welfare initiative launched by the government in February 2026 under S.O. 952(E)?

- A. PM-UPCHAAR
- B. PM-RAHAT
- C. PM-KAVACH
- D. PM-SURAKSHA



Q96 Paris Agreement Updates

Which two countries adopted the Rule of Implementation of the Joint Crediting Mechanism under Article 6.2 of the Paris Agreement in June 2026?

- A. India and Brazil
- B. India and Japan
- C. India and France
- D. Japan and France



Q97 Policy Changes & Amendments

In March 2026, which organization was replaced by the National Dental Commission (NDC) in India as part of recent reforms?

- A. Dental Council of India
- B. National Dental Authority
- C. Indian Dental Association
- D. Dental Board of India



Q98 Policy Changes & Amendments

The Jan Vishwas (Amendment of Provisions) Bill, 2026, targets 784 provisions across 79 Central Acts. What is the primary legal mechanism proposed by this Bill to simplify regulatory compliance?

- A. It hands law enforcement to state police.
- B. It swaps criminal charges for civil penalties.
- C. It moves all disputes to higher courts.
- D. It waives all minor monetary penalties.



Q99 Recent Tournaments

Which boxer secured gold in the women's 51 kg category at the World Boxing Futures Cup 2026?

- A. Chandrika Pujari
- B. Lovlina Borgohain
- C. Nitu Ghanghas
- D. Radhamani Longjam

Q100 Summits & Conferences

In February 2026, which country hosted the 13th Asia-Pacific Forum on Sustainable Development (APFSD)?

- A. Japan
- B. India
- C. Thailand
- D. Indonesia



General Science

25 Questions · Answer Key

Q1 Animal Kingdom (Phyla Overview)

Two aquatic animals: one has pores for water flow, the other uses tentacles to capture prey. Which key structural difference explains their feeding strategies?

- A. Segmentation in both animals
- B. Presence of a hard skeleton in the tentacled animal
- C. Presence of tissues in the tentacled animal**
- D. Bilateral symmetry in the pore-bearing animal

Q2 Atoms & Molecules

Which of the following best describes a molecule of a compound?

- A. A molecule formed by the chemical combination of different elements in a fixed ratio**
- B. A group of atoms of the same element
- C. A molecule formed by atoms in any variable ratio
- D. A physical mixture of atoms

Q3 Atoms & Molecules

Match the compound to its respective mass ratio by elements from the table given below.

Compound	Mass Ratio by Elements
1. Water (H ₂ O)	A. 1 : 8
2. Carbon dioxide (CO ₂)	B. 14 : 3
3. Ammonia (NH ₃)	C. 3 : 8
4. Sulphur dioxide (SO ₂)	D. 1 : 1

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

Q4 Carbon & Its Compounds

Which of the following is the carbon allotrope having a tetrahedral structure?

- A. Graphite
- B. Diamond**
- C. Fullerene
- D. Graphene

Q5 Circulatory System (Heart, Blood)

In human beings, the respiratory pigment that carries oxygen is _____.

- A. myosin
- B. haemoglobin**
- C. chlorophyll
- D. insulin

Q6 Extraction & Metallurgy

Which of the following is the purest form of iron?

- A. Wrought iron**
- B. Hard steel
- C. Stainless steel
- D. Limonite

Q7 Food Preservation (Chemical)

Which of the following is used as a preservative in pickles?

- A. 5-8% solution of cinnamic in water
- B. 5-8% solution of ethanol in water
- C. 5-8% solution of acetic anhydride in water
- D. 5-8% solution of acetic acid in water**

Q8 Food Preservation (Chemical)

Which storage condition slows rancidity most effectively in edible oils and fats?

- A. Repeated heating of food
- B. Mixing food with water
- C. Keeping under sunlight
- D. Storing in airtight containers**

Q9 Household Wiring & Safety

What is the function of the cartridge (such as porcelain) encasing the fuse wire?

- A. To safely contain the melted fuse wire and prevent hazards**
- B. To act as a heat sink for the fuse
- C. To improve the fuse's electrical conduction
- D. To increase the current flow through the fuse



Q10 Human Eye & Defects

Which defect occurs when the eye lens loses its ability to focus on near objects due to decreased flexibility?

- A. Myopia results from reduced lens flexibility
- B. Astigmatism results from reduced lens flexibility
- C. Presbyopia results from reduced lens flexibility ✓
- D. Hypermetropia results from reduced lens flexibility

Q11 Light & Optics

What happens when white light passes through a glass prism?

- A. It becomes invisible
- B. It splits into a band of seven colours ✓
- C. It recombines into white light
- D. It changes into a single colour

Q12 Mechanics

Which statement best describes uniform circular motion in the context of motion and force?

- A. An object moves in a straight line at changing speed.
- B. An object moves in a circle at constant speed but its velocity changes due to change in direction. ✓
- C. An object moves in a circle with changing speed and constant direction.
- D. An object moves in a circle with both constant speed and constant direction.

Q13 Mechanics

Which of the following describes the rate at which an object changes its velocity?

- A. Acceleration ✓
- B. Speed
- C. Displacement
- D. Distance

Q14 Mixtures, Solutions, Colloids

If 25 g of salt is dissolved in 175 g of water, what is the concentration of the solution in mass percentage?

- A. 15%
- B. 18%
- C. 12.5% ✓
- D. 10%

Q15 Photosynthesis

Since plants prepare their own food using sunlight, they do not require a digestive organ like a stomach. Instead, they possess tissues specialized for ____.

- A. Photosynthesis ✓
- B. Digestion
- C. Thinking
- D. Running

Q16 Plant Kingdom (Divisions)

In a habitat recently affected by drought, which feature would most likely allow gymnosperms to persist when other plants fail?

- A. Needle-like leaves prevent water loss ✓
- B. Fruits improve seed dispersal in water
- C. Aquatic fertilisation ensures survival
- D. Flowers attract diverse pollinators

Q17 Plant Tissues & Transport

Complete the analogy.

Xylem : Water Transport :: Phloem : ____.

- A. Protection from Microbes
- B. Mechanical Strength
- C. Gas Exchange
- D. Food Transport ✓

Q18 Pollution (Air, Water, Soil, Noise)

Why are non-biodegradable wastes considered more dangerous than biodegradable wastes?

- A. They increase the microbial activity
- B. They persist in the environment ✓
- C. They decompose rapidly
- D. They release oxygen

Q19 Properties & Tests

If hydrochloric acid (HCl) reacts with sodium hydroxide (NaOH), which ions from each reactant participate in forming water?

- A. $\text{H}^+(\text{aq})$ from HCl and $\text{OH}^-(\text{aq})$ from NaOH ✓
- B. $\text{H}^+(\text{aq})$ from NaOH and $\text{OH}^-(\text{aq})$ from HCl
- C. $\text{Cl}^-(\text{aq})$ from HCl and $\text{Na}^+(\text{aq})$ from NaOH
- D. $\text{Na}^+(\text{aq})$ from NaOH and $\text{Cl}^-(\text{aq})$ from HCl



Q20 Reflection & Refraction

A ray of light enters a rectangular glass slab from air at an angle of 40 degrees to the normal. If the refractive index of glass with respect to air is 1.5 and the velocity of light in air is 3×10^8 m/s, what is the velocity of light inside the glass slab?

- A. 2.5×10^8 m/s
- B. 2.25×10^8 m/s
- C. 1.5×10^8 m/s
- D. 2×10^8 m/s

**Q21 Respiratory System**

Which gas is essential for aerobic respiration in animals?

- A. Carbon dioxide
- B. Oxygen
- C. Nitrogen
- D. Hydrogen

**Q22 Work, Energy & Power**

According to the work-energy theorem, if the net work done on an object is zero, then its kinetic energy _____.

- A. Decreases continuously
- B. Increases continuously
- C. Remains unchanged
- D. Becomes zero

**Q23 Work, Energy & Power**

A car with a mass of 1000 kg is moving at a speed of 25 m/s. If the driver applies the brakes and brings the car to a stop, how much kinetic energy is lost during this process?

- A. 312500 J
- B. 12500 J
- C. 25000 J
- D. 625000 J

**Q24 Circulatory System (Heart, Blood)**

Match 'Column A' with 'Column B' in context of the muscular layers in blood vessels.

	Column A		Column B
(a)	Thick tunica media	(i)	Vein
(b)	Smallest vessel diameter	(ii)	Artery
(c)	Large lumen	(iii)	Capillary
(d)	Endothelium	(iv)	All blood vessels

- A. a-ii, b-iii, c-i, d-iv
- B. a-ii, b-iv, c-i, d-iii
- C. a-iii, b-ii, c-i, d-iv
- D. a-i, b-ii, c-iv, d-iii

**Q25 Current Electricity (Ohm's Law, Circuits)**

What does the given symbol represent in an electric circuit diagram?



- A. Wires crossing without joining
- B. A wire joint
- C. Variable resistance
- D. Plug key or switch



Q26 2-Year Difference

The compound interest on a sum for two years is ₹1,560 and the corresponding simple interest is ₹1,500. Find the compound interest on the same sum at the same rate of interest for three years.

- A. ₹2,466.50
- B. ₹2,245.60
- C. ₹2,345.30
- D. ₹2,434.80

**Q27 Angle of Elevation**

A boy is standing at a distance of 20 m from a tree. The angle of elevation of the top of the tree from his eyes is 45° . Find the height of the tree. (Ignore the boy's height.)

- A. 20 m
- B. 10 m
- C. 40 m
- D. 15 m

**Q28 Annual Compounding**

A sum of ₹60,000 amounts to ₹71,460.96 after 3 years when interest is compounded yearly. Find the annual rate of interest.

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

**Q29 Average Speed**

A car covers the first 120 km at 40 km/hr, the next 180 km at 60 km/hr, and the last 100 km at 50 km/hr. Find the average speed of the car for the entire journey.

- A. 55 km/hr
- B. 51 km/hr
- C. 53 km/hr
- D. 50 km/hr

**Q30 Basic Ratio**

Two numbers are in the ratio 2:3. If 8 is subtracted from each number, the resulting ratio becomes 1:2. What was the original larger number?

- A. 16
- B. 18
- C. 24
- D. 12

**Q31 Building/Tower Problems**

The angles of elevation of the top of a tower from two points given on the same straight line and on the same side of the tower are 30° and 60° . If the distance between the two points is 20 m, find the height of the tower.

- A. $8\sqrt{3}$ m
- B. 8 m
- C. $10\sqrt{3}$ m
- D. 12 m

**Q32 CP-SP Relation**

A dealer sells an article at a 25% profit. The buyer then sells it at a 10% loss. If the original cost price was ₹1,200, what is 40% of the final selling price of the article?

- A. ₹630
- B. ₹480
- C. ₹600
- D. ₹540

**Q33 Decimal Operations**

Simplify: $0.65 \div 0.13 + 3.5 - 2.825$

- A. 5.175
- B. 5.375
- C. 5.875
- D. 5.675

**Q34 Finding Present Age**

A's age 6 years ago was half of what it will be 6 years from now. What is A's present age (in years)?

- A. 24
- B. 18
- C. 12
- D. 30



Q35 Finding Value from Percentage

Ravi spends 80% of his monthly income. If his monthly income is ₹25,000, find his monthly savings.

A. ₹5,000



B. ₹6,000

C. ₹7,000

D. ₹4,000

Q36 Laws of Indices

Given that $69^{0.96} = x$, $69^{0.75} = y$ and $x^z = y^2$, then the value of z is close to:

A. 0.85

B. 1.56



C. 3.48

D. 2.93

Q37 Multiple Pipes

Pipe A can fill a tank in 4 hours, pipe B can fill the same tank in 6 hours and pipe C can fill the same tank in 12 hours. The time taken (in hours) by them to fill half of the same tank if they operate together is:

A. 1



B. 3

C. 4

D. 2

Q38 Percentage Increase/Decrease

The income of Raman is ₹61,500. He saves 17% of his income. If his income increases by 38% and expenditure increases by 20%, then his savings will:

A. decrease by ₹13,159

B. increase by ₹13,156

C. increase by ₹13,161



D. decrease by ₹13,165

Q39 Proportion

Find the fourth proportional to the numbers 8, 32 and 17.

A. 56

B. 68



C. 46

D. 58

Q40 Relative Speed

The distance between two cities, A and B, is 250 km. A motorcyclist starts from A towards B at 6:30 a.m. at a speed of 40 km/hr. Another motorcyclist starts from B towards A at 8:30 a.m. at a speed of 50 km/hr. At what time will they cross each other?

A. 1:27:48 p.m.

B. 2:25:24 p.m.

C. 11:33:51 a.m.

D. 10:23:20 a.m.

**Q41 Successive Discount**

The marked price of a cooker is same at four shops I, II, III and IV.

Shop I allows two successive discounts of 46% and 62%, shop II allows successive discounts of 16% and 77%, shop III allows successive discounts of 74% and 54%, and shop IV allows successive discounts of 12%, 98%, and 86% on the marked price of the cooker.

Which shop is selling the cooker at the lowest price?

A. IV



B. II

C. I

D. III

Q42 Tangent from External Point

A tangent is drawn to a circle of radius 12 cm from a point situated at a distance of 13 cm from the centre of the circle. The length of the tangent will be:

A. 12 cm

B. 6 cm

C. 8 cm

D. 5 cm

**Q43 Two Items Mixing**

430 grams of sugar solution has 20% of sugar in it. How much sugar should be added to make it 50% in the solution?

A. 248 grams

B. 258 grams



C. 278 grams

D. 268 grams



Q44 Volume

A spherical tank with radius 2 meters is filled with water up to three-fourths of its volume. How many cubic meters of water does it contain? (Use $\pi = 3.14$)

A. 33.36

B. 25.12 

C. 36.84

D. 29.24

Q45 3D Mensuration

A cylindrical tank of radius 3.5 m and height 10 m is filled with water. The water is to be emptied into a cuboidal tank of length 7 m and breadth 5 m. Find the height of the water in the cuboidal tank after the entire water from the cylinder is poured into it. (Use $\pi = \frac{22}{7}$)

A. 12 m

B. 10 m

C. 11 m 

D. 13 m

Q46 Bracket Simplification

Simplify: $6 \div \left[(9 - 6) \div \left\{ (5 - 3) \div \left(2 + \frac{8}{13} \right) \right\} \right]$

A. $\frac{7}{17}$

B. $\frac{34}{13}$

C. $\frac{26}{17}$ 

D. $\frac{13}{17}$

Q47 Find Time

If ₹2,500 earns a simple interest of ₹500 at a rate of 5% per annum, how long was the money invested?

A. 3 years

B. 4 years 

C. 6 years

D. 5 years



Q48 Grouped Data Mode

Calculate mode from the given data.

Class Interval	0-5	5-10	10-15	15-20	20-25
Number of states	15	10	6	7	2

A. 0.25

B. 3.75



C. 2.65

D. 1.45

Q49 Mean of Grouped Data

What is the value of $(2x + 4y)$, if mean of the following distribution is 42?

Class	0-20	20-40	40-60	60-80	80-100	Total
Frequency	8	20	x	2	y	70

A. 75

B. 86

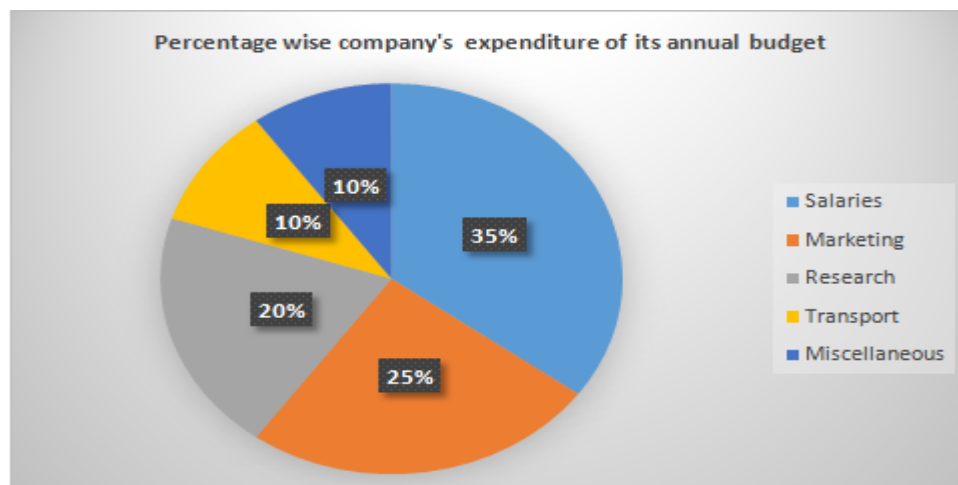


C. 100

D. 68

Q50 Percentage Based

A company spends its annual budget in the following sectors. If total budget is ₹20,00,000, how much amount (in ₹) is spent on Research and Transport together?



A. 6,00,000



B. 5,50,000

C. 5,00,000

D. 6,50,000



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Q51 Floor/Building Arrangement

Six boxes, D, E, F, G, X and Y, are kept one over the other, but not necessarily in the same order.
No box is kept above D. Only two boxes are kept between D and Y. Only one box is kept between D and G. E is kept immediately below Y. Only four boxes are kept between D and X.

How many boxes are kept between F and X?

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

**Q52 Floor/Building Arrangement**

A, D, F, G, H and S live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6.

The product of floors on which S and F live is 20. Only 3 people live between S and A. D lives immediately below G. How many people live below G?

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

**Q53 Group Pattern**

What should come in place of ? in the given series based on the English alphabetical order?
BLQ EQP HVO KAN ?

- A. NFM
- B. OPM
- C. MFN
- D. MEP

**Q54 Letter Series**

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

(Left) Y U A J K Y M Y Y P K Z M U V G I A O (Right)

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

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

**Q55 Letter Series**

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

(Left) U R M B G C H O Y A I E P I G U Q U Q (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. Two
- C. Three
- D. Four

**Q56 Linear Family Relations**

N is the wife of Z. K is the daughter of N. Q is the mother of Z. How is Q related to K?

- A. Mother's mother
- B. Husband's mother
- C. Father's mother
- D. Son's wife

**Q57 Mathematical Operations**

If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 1742683, how many digits will appear more than once in the new number thus formed?

- A. 1
- B. 0
- C. 3
- D. 2



Q58 Mathematical Operations

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

(Left) 583 912 467 351 294 (Right)

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

What is the sum of the first digit of the lowest number and the third digit of the highest number?

A. 8

B. 7

C. 4



D. 6

Q59 Mathematical Operations

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

(Left) 762 311 197 263 393 (Right)

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

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

What will be the resultant if the first digit of the lowest number is subtracted from the first digit of the highest number?

A. 5

B. 6



C. 7

D. 9

Q60 Missing Number

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

216 224 240 264 296 ?

A. 331

B. 336



C. 328

D. 324

Q61 Operation Based

68 is related to 34 following a certain logic. Following the same logic, 84 is related to 42. To which of the given options is 56 related, following the same logic?

(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 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.)

A. 36

B. 32

C. 28



D. 24

Q62 Operation Based

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 etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

5 - 27

7 - 51

A. 1 - 3



B. 9 - 85

C. 45 - 70

D. 3 - 12

Q63 Operator Swap

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

$88 \times 4 + 7 - 2 \div 6 = ?$

A. 14



B. 10

C. 17

D. 22



Q64 Operator Swap

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

$$15 - 2 \div 48 \times 24 + 24 = ?$$

A. -5



B. -3

C. -4

D. -7

Q65 Pattern Based

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

RJP : UHR

MLM : PJO

A. PLL : SJM

B. JVI : MTK



C. WKT : ZIU

D. GRI : JOK

Q66 Pattern Based

DJ 14 is related to JP 16 in a certain way. In the same way, PM 11 is related to VS 13. To which of the given options is HF 17 related, following the same logic?

A. NK 15

B. NL 19



C. NO 15

D. NS 12

Q67 Pattern Based

OGRU is related to JBMP in a certain way based on the English alphabetical order. In the same way, ZEKP is related to UZFK. To which of the given options is FWLA related, following the same logic?

A. NFQC

B. BTDH

C. DEGV

D. ARGV

**Q68 Position Pattern**

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the 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. IGD

B. GEB

C. QPL



D. OMJ

Q69 Position Pattern

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

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

A. EH-KN

B. PS-VY

C. IL-NT



D. GJ-MP

Q70 Position from Left/Right

Apourva ranked 25th from the bottom and 21st from the top in his class. How many students are there in his class?

A. 46

B. 43

C. 45



D. 44

Q71 Rearrangement of Letters

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

A. 7

B. 6

C. 8

D. 5



Q72 Shifting Pattern (+1, +2, etc.)

Each vowel in the word COLLAGE 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 be fifth from the right in the new group of letters thus formed?

A. J

B. K 

C. M

D. L

Q73 Single Row (One-way/Both-way)

Six people, C, D, E, O, P and Q, are sitting in a row, facing north.

No one sits to the right of P. Only three people sit between P and D. Only two people sit between D and C. E sits second to the left of O.

How many people sit between Q and E?

A. Three

B. None

C. One

D. Two **Q74 Single Row (One-way/Both-way)**

Seven people, D, H, J, L, S, T and Y are sitting in a row, facing the north.

Only two people sit to the left of J. Only three people sit between J and Y. H sits second to the right of J. Only two people sit between H and L. S sits at some place to the right of T but at some place to the left of D.

How many people sit to the left of L?

A. Three

B. Five

C. One 

D. Four

Q75 Symbol Based

In a certain code language,

'A # B' means 'A is the son of B',

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

'A - B' means 'A is the wife of B' and

'A @ B' means 'A is the father of B'.

How is S related to U if 'S # M @ H % Y - U'?

A. Father

B. Wife's brother 

C. Brother

D. Wife's father

Q76 Symbol Included Pattern

Refer to the following number and symbol series and answer the question that follows. All numbers are single-digit numbers only.

(Left) 4 2 @ 5 % 9 8 + 3 6 @ 1 5 ! # ^ 7 @ # 5 & ? 9 (Right)

If all the symbols are dropped from the series, which of the following will be seventh from the right?

A. 1

B. 3 

C. 7

D. 5

Q77 Two Statement Sufficiency

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Among 5 poles, D,R,C,Z and Y each having a different height, which pole is the tallest?

(I) R is shorter than D but taller than C

(II) Z is taller than Y

A. Statement (II) alone is sufficient, but statement (I) alone is not sufficient.

B. Each statement alone is sufficient to answer the question.

C. Statement (I) alone is sufficient, but statement (II) alone is not sufficient.

D. Both statements (I) and (II) together are NOT sufficient to answer the question, but neither alone is sufficient. 

Q78 Two Statement Sufficiency

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Among five sticks, V, H, Y, D and N, each having a different height, which stick is the tallest?

(I) D is taller than H. H is taller than N.

(II) N is shorter than V but taller than Y.

A. Both statements I and II together are NOT sufficient to answer the question 

B. Data in Statement I alone is sufficient to answer the question while data in statement II is not

C. Data in Statement II alone is sufficient to answer the question while data in statement I is not

D. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.



Q79 Two Statement Syllogism

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

Statements: Some moons are stars. Some moons are white.
Conclusion (I): At least some whites are stars.
Conclusion (II): Some whites are moons.

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

B. Only conclusion (I) follows

C. Only conclusion (II) follows

D. Both conclusions (I) and (II) do not follow

Q80 Word to Code Mapping

In a certain code language, 'sun shines bright' is coded as 'fa lo ti' and 'moon shines too' is coded as 'za lo mn'. How is 'shines' coded in the given language? (All the codes are two-letter codes only.)

A. lo

B. za

C. fa

D. ti

General Awareness

20 Questions • Answer Key

Q81 HDI, GHI, etc.

In the Corruption Perceptions Index (CPI) 2025 released by Transparency International in 2026, India was ranked at which position among countries and territories?

A. Seventy-ninth

B. Eighty-fifth

C. Ninety-sixth

D. Ninety-first

Q82 Individual Records

At the 2026 NCAA Indoor Championships, which athlete set a new collegiate record in the men's 200-meter final by clocking 19.95 seconds?

A. Marcelo Mantecon

B. Ja'Kobe Tharp

C. Habtom Samue

D. Garrett Kaalund

Q83 Key Announcements

For the financial year 2026-27 (FY27), what was the fiscal deficit target set by the Union Budget?

A. 3.5% of GDP

B. 6% of GDP

C. 4.3% of GDP

D. 5.2% of GDP

Q84 Literary & Sports Awards

At the eighth annual Hockey India Awards held in March 2026 to recognise outstanding performances during the 2025 season, which player received the Women's Player of the Year award?

A. Savita Punia

B. Vandana Katariya

C. Navneet Kaur

D. Salima Tete

Q85 Literary & Sports Awards

The Sahitya Akademi Award 2025, presented to the awardees in March 2026 in New Delhi, recognised which author for the women-centric short-story collection "Safety Kit"?

A. Girijakumar Baliyar Singh

B. Jinder

C. Prakash Bhattarai

D. Raju Baviskar

Q86 National Current Affairs

Which party formed the government for the first time in Tamil Nadu in May 2026?

A. Dravida Munnetra Kazhagam

B. Pattali Makkal Katchi

C. All India Anna Dravida Munnetra Kazhagam

D. Tamilaga Vettri Kazhagam



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Q87 National Current Affairs

In April 2026, which organization was at the forefront of coordinating India's disaster response and preparedness initiatives for cyclones along the eastern coast, as per official updates from the Ministry of Home Affairs?

A. National Institute of Disaster Management

B. National Disaster Management Authority (NDMA) ✓

C. Indian Meteorological Department

D. State Disaster Response Forces

Q88 National Current Affairs

Where did the 12-day 'Tribes Art Fest (TAF) 2026' take place in March 2026?

A. Mumbai

B. Jaipur

C. New Delhi ✓

D. Bhopal

Q89 New Apps & Portals

What is the name of the mobile app launched by the ministry of social justice and empowerment in May 2026 for real-time monitoring of SC welfare schemes?

A. VIJAY

B. VIKAS

C. AJAY ✓

D. DHARMA

Q90 New Apps & Portals

In April 2026, the Integrated Alert System "SACHET" was launched to strengthen which area in India?

A. Space Communication and Satellite Navigation Services

B. Digital Banking and Financial Inclusion Services

C. Disaster Management and Emergency Alert Services ✓

D. Agricultural Irrigation and Water Conservation Systems

Q91 Policy Changes & Amendments

During the 2026 Budget Session of Parliament, which bill was referred to the Joint Committee of both Houses?

A. The Jan Vishwas (Amendment of Provisions) Bill, 2026

B. The Finance Bill, 2026

C. The Insolvency and Bankruptcy Code (Amendment) Bill, 2026

D. The Corporate Laws (Amendment) Bill, 2026 ✓

Q92 Rankings & Reports

India recorded its highest-ever performance in the QS World University Rankings by Subject 2026, achieving how many entries in the global Top 50 — more than doubling its tally from 12 entries in both 2024 and 2025?

A. 21

B. 27 ✓

C. 24

D. 18

Q93 Recent ISRO Missions

Which instrument is related to Chandrayaan-3 and delivered critical 'ground truth' data on the Moon's plasma environment in December 2025?

A. IIRS-L

B. CHACE-2

C. M3

D. RAMBHA-LP ✓

Q94 Recent Tournaments

The 48th edition of the Dakar Rally, held in January 2026, took place in which of the following countries?

A. Saudi Arabia ✓

B. South Africa

C. Morocco

D. United Arab Emirates

Q95 Science & Technology Current Affairs

In 2025, India launched its first indigenous CRISPR-based gene therapy to combat Sickle Cell Disease, which disproportionately affects the country's tribal population. What is the name of this therapy?

A. Gene-editing therapy 'JanAushadhi-404'

B. Cell therapy 'Raksha-22'

C. Gene therapy 'BIRSA 101' ✓

D. CRISPR cure 'Arogya-1'



Q96 Social Welfare Schemes

The One Stop Centre scheme, frequently mentioned in discussions on women's safety during 2025–26, is funded primarily through which mechanism of the Government of India?

- A. Nirbhaya Fund supporting integrated assistance for women affected by violence ☒
- B. National Social Assistance Programme supporting livelihood security for vulnerable households
- C. District Mineral Foundation supporting welfare measures in mining-affected regions
- D. Rashtriya Mahila Kosh supporting micro-credit facilities for women entrepreneurs

Q97 Summits & Conferences

The 14th Ministerial Conference (MC14) of the World Trade Organization (WTO), held in March 2026 under the chairmanship of Luc Magloire Mbarga Atangana, took place in which country?

- A. United Arab Emirates
- B. Singapore
- C. Cameroon ☒
- D. Switzerland

Q98 Team Achievements

Which team did the Indian women's archery team defeat to win gold medal in stage Archery world cup held in Shanghai in May 2026?

- A. Indonesia
- B. Uzbekistan
- C. Qatar
- D. China ☒

Q99 Treaties & Agreements

A special treaty event was held by the United Nations in Abu Dhabi in April 2026 to facilitate the signing and ratification of which of the following international agreements?

- A. Convention on Biological Diversity
- B. United Nations Convention against Cybercrime ☒
- C. United Nations Convention against Corruption
- D. Paris Agreement on Climate Change

Q100 Treaties & Agreements

In February 2026, which country signed a Memorandum of Understanding with India to enhance collaboration in environment, biodiversity conservation, and climate change?

- A. Germany
- B. France
- C. Nepal ☒
- D. Brazil



General Science

25 Questions • Answer Key

Q1 Atomic Structure & Models

Which property is used to differentiate atoms of various elements based on the total mass of their protons and neutrons in the nucleus?

- A. Valency
- B. Atomic mass ✓
- C. Atomic number
- D. Isotopic ratio

Q2 Atoms & Molecules

In ammonia (NH_3), the combining elements are present in the ratio of:

- A. 14:3 ✓
- B. 7:3
- C. 28:3
- D. 14:6

Q3 Basic Organic Chemistry

Molasses, a byproduct of sugar production from sugarcane, can be used as a feedstock for the production of which of the following carbon compounds through fermentation?

- A. butanone
- B. ethanol ✓
- C. propanoic acid
- D. propanal

Q4 Basic Organic Chemistry

Which method would be most appropriate to distinguish between saturated and unsaturated carbon compounds in a laboratory setting?

- A. Measuring melting point with a thermometer.
- B. Heating over a Bunsen burner and observing flame color.
- C. Testing with bromine water to observe color change. ✓
- D. Mixing with copper sulfate solution.

Q5 Biodiversity & Conservation

Climate change increases rainfall in the Western Ghats and alters the ecosystem. Which long-term effect could this have on endemic species in the region?

- A. Endemic species will increase in population
- B. Endemic species will spread to new regions
- C. Endemic species will not be affected
- D. Endemic species may struggle to survive and adapt ✓

Q6 Current Electricity (Ohm's Law, Circuits)

A student wants to compare the resistivity of two different materials using wires of identical length and cross-sectional area. Which measurement must be made for both wires to determine their resistivity?

- A. Measuring the voltage across each wire
- B. Measuring the mass of each wire
- C. Measuring the resistance of each wire ✓
- D. Measuring the brightness of a bulb in the circuit

Q7 Digestive System

Which of the following CORRECTLY pairs the organism with the body part it uses for food intake?

- A. Paramecium - cilia ✓
- B. Euglena - tentacles
- C. Hydra - pseudopodia
- D. Amoeba - flagella

Q8 Digestive System

Which of the following statements about nutrition in single-celled organisms is **INCORRECT**?

- A. Paramecium takes in food with the help of cilia at a fixed spot
- B. Food is digested inside food vacuoles in Amoeba
- C. Amoeba uses pseudopodia to engulf food
- D. Paramecium engulfs food from all parts of its surface ✓



Q9 Light & Optics

Which phenomenon best explains why the sky appears blue during daytime?

- A. Sun emits predominantly blue light during the day
- B. Reflection of sunlight by clouds causes blue color
- C. Shorter wavelengths of sunlight are scattered more than longer wavelengths ✓
- D. Ozone in the atmosphere absorbs all other colors except blue

Q10 Magnetic Effects of Current

If the current in a conductor is doubled while it remains perpendicular to the same magnetic field, how does the force on the conductor change?

- A. The force remains unchanged
- B. The force doubles ✓
- C. The force reduces four times
- D. The force is halved

Q11 Mechanics

Which statement best describes the velocity-time graph for an object moving with uniform acceleration?

- A. It is a horizontal line parallel to the time axis
- B. It is a curve bending upwards
- C. It is a straight line parallel to the velocity axis
- D. It is a straight line with a constant slope ✓

Q12 Mechanics

A car starts from rest and gradually increases its speed. Which of the following best describes its distance-time graph?

- A. A horizontal line starting from the origin
- B. A curve starting from the origin with decreasing slope
- C. A straight line with constant slope starting from the origin
- D. A curve starting from the origin with increasing slope ✓

Q13 Mirrors & Lenses

A convex mirror has a focal length of 20 cm. If an object is placed 40 cm from the mirror, what will be the nature and relative size of the image?

- A. Real, larger than the object
- B. Virtual, smaller than the object ✓
- C. Real, smaller than the object
- D. Virtual, same size as the object

Q14 Mixtures, Solutions, Colloids

Which of the following is NOT a property of a solution?

- A. Transparent appearance
- B. No settling of solute
- C. Uniform composition
- D. Separation of components by filtration ✓

Q15 Nervous System & Brain

The specialised signal that travels along a nerve fibre to communicate with other cells is specifically known as a(n) _____.

- A. Hormone
- B. Nerve impulse ✓
- C. Axon
- D. Stimulus

Q16 Oxidation & Reduction (Redox)

Consider the reaction: $\text{CuO(s)} + \text{H}_2\text{(g)} \rightarrow \text{Cu(s)} + \text{H}_2\text{O(l)}$

Which option correctly identifies the oxidation–reduction changes occurring in this reaction?

- A. Hydrogen oxidised while CuO reduced ✓
- B. Hydrogen reduced while CuO oxidised
- C. Copper oxidised while H₂ reduced
- D. Copper and hydrogen both oxidised

Q17 Physical & Chemical Properties

When copper is heated in air, it combines with oxygen to form a black oxide, which is:

- A. copper(III) oxide
- B. copper(I) oxide
- C. copper(IV) oxide
- D. copper(II) oxide ✓

Q18 Plant Hormones

What happens when the leaves of the touch-me-not (Mimosa) plant are touched?

- A. They change color
- B. They fold up and droop ✓
- C. They grow larger
- D. They produce flowers



Q19 Plant Tissues & Transport

Which part of a plant mainly absorbs water and minerals from the soil?

A. Roots



B. Leaves

C. Stems

D. Flowers

Q20 Properties & Tests

In the reaction of copper oxide with hydrochloric acid, the solution turns:

A. Brown due to hydrogen gas

B. Red due to oxygen evolution

C. Blue-green due to copper(II) chloride



D. Colourless due to water formation

Q21 Reproduction in Plants

Which of the following statements about vegetative propagation is **INCORRECT**?

A. Only one parent is involved in the process.

B. New plants arise from stems, roots, or leaves.

C. New plants develop from seed-bearing structures.



D. The offspring are genetically identical to the parent.

Q22 Ultrasound & Applications

Which of the following best explains how ultrasound is used in medical imaging?

A. Ultrasound uses low-frequency sound waves for medical imaging

B. Ultrasound waves reflect off tissues to create real-time images on a monitor



C. Ultrasound is used to measure temperature changes in body tissues

D. Ultrasound waves pass through tissues without any reflection for imaging

Q23 Winds & Pressure Belts

A meteorological station near 60° South detects winds converging and rising. The most likely consequence of this pattern in terms of pressure is:

A. Formation of a sub-polar low pressure belt



B. Establishment of an equatorial low pressure zone

C. Development of a high pressure zone

D. Creation of a sub-tropical high pressure belt

Q24 Work, Energy & Power

A football player kicks a ball forward. Later, a goalkeeper catches the ball and brings it to rest.

Which of the following statements are correct?

1. The player does positive work on the ball.

2. The goalkeeper does negative work on the ball.

3. During the kick, force and displacement are in the same direction.

4. During the catch, force and displacement are in opposite directions.

A. 1 and 2 only

B. 2 and 3 only

C. 1, 2 and 4 only

D. 1, 2, 3 and 4

**Q25 Work, Energy & Power**

A motor develops a power of 85 W for 30 s. What is the work done by the motor?

A. 2550 J



B. 250 J

C. 2500 J

D. 255 J

Mathematics

25 Questions • Answer Key

Q26 $(a+b)^2$, $(a-b)^2$

Simplify:

$$(2a + 3b)^2 - (2a - 3b)^2$$

A. 18ab

B. 20ab

C. 25ab

D. 24ab



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Q27 Annual Compounding

A sum amounts to a compound interest, compounded annually of ₹4,837.50 in 2 years at the rate of 15% per annum. Find the principal amount.

A. ₹15,000



B. ₹13,000

C. ₹14,000

D. ₹12,000

Q28 Annual Compounding

Rishi has ₹1,681, which he distributes between his two sons, Shan and Piyush. He instructs them to invest their respective amounts at a compound interest rate of 5% per annum, compounded annually. After 13 years, Shan's investment matures to the same amount as Piyush's investment after 14 years. Determine the amount (in ₹) that Rishi gave to Shan.

A. 861



B. 820

C. 711

D. 920

Q29 Average Speed

One-third of a journey is covered at a speed of 56 km/hr, the next one-third of the journey is covered at a speed of 7 km/hr, and the remaining journey is covered at a speed of 14 km/hr. The average speed (in km/hr, rounded off to 1 decimal place) for the entire journey is:

A. 7.9

B. 18.1

C. 13.6

D. 12.9

**Q30 Basic Time & Work**

15 workers can build a wall in 22 days. How many days will 12 workers take to build the same wall (assuming the same efficiency).

A. 25 days

B. 30 days

C. 28.5 days

D. 27.5 days

**Q31 Composite 3D Shapes**

A solid cylinder of base radius 7 cm and height 12 cm has a conical cavity of the same base radius and 8 cm height. Find the volume of the remaining solid.

[Use $\pi = 22/7$ and round off your answer to two decimal places.]

A. 1417.33 cm³

B. 1437.33 cm³



C. 1452.33 cm³

D. 1402.33 cm³

Q32 Find SI

What is the simple interest on a sum of ₹10,000 at 5% per annum for 2 years?

A. ₹1,200

B. ₹1,500

C. ₹800

D. ₹1,000

**Q33 Finding HCF**

Find the HCF of the numbers 252, 396, and 524.

A. 9

B. 36

C. 4



D. 12

Q34 Median

In a moderately asymmetrical frequency distribution, the values of the mean and mode are 54.3 and 62.1, respectively. Find the median value.

A. 56.9



B. 57.2

C. 55.7

D. 57.9

Q35 Multiple Pipes

Pipe A can fill a tank in 4 hours, pipe B can fill the same tank in 5 hours and pipe C can fill the same tank in 20 hours. The time taken (in hours) by them to fill half of the same tank if they operate together is:

A. 2

B. 4

C. 3

D. 1



Q36 Population Based Problems

The population of a town decreased from 80,000 to 72,000. Find the percentage decrease in population.

A. 10%



B. 12%

C. 15%

D. 8%

Q37 Profit/Loss Percentage

If the cost price of an article is ₹500 and is sold at ₹400, then find the loss percentage.

A. 80%

B. 25%

C. 20%



D. 100%

Q38 Ratio Comparison

Arrange the following ratios in descending order.
2: 5, 3: 8, 5: 6, 4: 7

A. $5: 6 > 3: 8 > 2: 5 > 4: 7$

B. $5: 6 > 3: 8 > 4: 7 > 2: 5$

C. $5: 6 > 4: 7 > 2: 5 > 3: 8$



D. $5: 6 > 4: 7 > 3: 8 > 2: 5$

Q39 Relative Speed

Two trains leave the same station and travel in the same direction. If the faster train moves at 54 km/h and the distance between them becomes 42 km after 6 hours, what is the speed of the slower train?

A. 47 km/h



B. 48 km/h

C. 45 km/h

D. 50 km/h

Q40 Rules for 7,8,9,11

If a 7-digit number 65873A8 is completely divisible by 22, what is the value of A?

A. 7

B. 1

C. 2



D. 3

Q41 Simple Mean

Find the average of 453, 397, 332 and 84.

A. 316.5



B. 306.5

C. 326.5

D. 336.5

Q42 Successive Discount

The marked price of a cooker is same at four shops I, II, III and IV.

Shop I allows two successive discounts of 80% and 44%, shop II allows successive discounts of 58% and 62%, shop III allows successive discounts of 67% and 85%, and shop IV allows successive discounts of 41%, 91%, and 74% on the marked price of the cooker.

Which shop is selling the cooker at the lowest price?

A. I

B. IV



C. III

D. II

Q43 Time-based Partnership

Three partners, P, Q, and R, start a business by investing capital in the ratio 5 : 4 : 3. At the end of one year, the business earns a total profit of Rs. 48,000. If Q withdraws his investment after 6 months, while P and R keep their investments in the business for the entire year, what amount of profit should Q receive?

A. Rs. 9,600



B. Rs. 8,000

C. Rs. 6,000

D. Rs. 12,000

Q44 Two Successive Changes

The price of an article is increased by 36%. After this increase, it is decreased by 30%. If the final price of the article is ₹132 less than the original price, find the original price of the article.

A. ₹2,940

B. ₹2,280

C. ₹2,460

D. ₹2,750



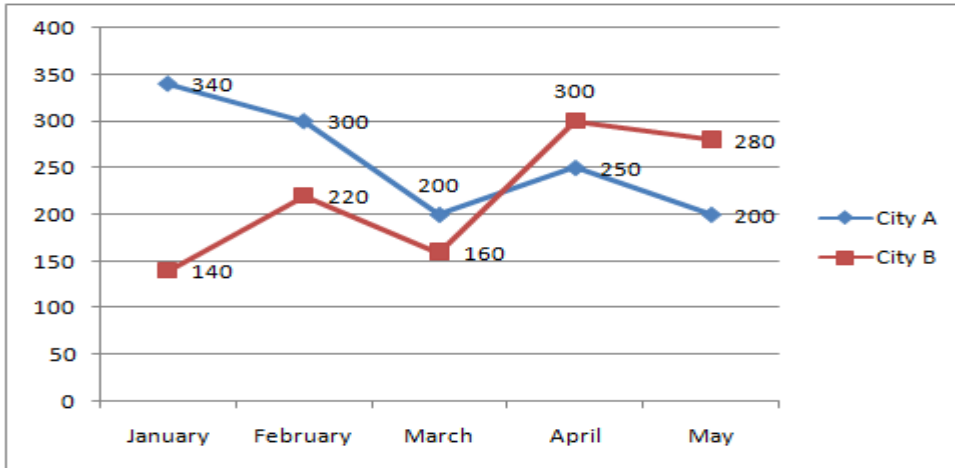
Q45 Base-Height Method

Find the height of the triangle whose base is one-fourth of its height and area is 169 cm^2 .

- A. 26 cm
- B. 19.5 cm
- C. $13\sqrt{6}$ cm
- D. $26\sqrt{2}$ cm

**Q46 Comparative Trend**

The given line graph shows the number of tourists (in hundreds) in two cities A and B in five different months in the year 2023. Study the graph and answer the question that follows.



What is the ratio between the total number of tourists in city B in February to May to that in city A in January to February?

- A. 2:3
- B. 5:6
- C. 6:5
- D. 3:2

**Q47 Mean of Grouped Data**

If the mean of the following data is 45, then what is the value of x?

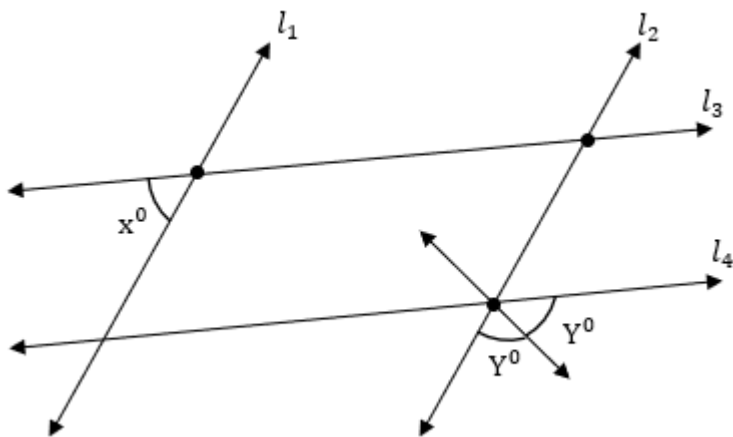
Class	10-20	20-30	30-40	40-50	50-60
Frequency	41	46	28	12	x

- A. 250
- B. 238
- C. 243
- D. 245



Q48 Parallel Lines & Transversal

Consider the following figure:



If $l_1 \parallel l_2$ and $l_3 \parallel l_4$, then which one of the following relations is correct?

A. $2Y^\circ + x^\circ = 180^\circ$



B. $Y^\circ + 2x^\circ = 180^\circ$

C. $Y^\circ + x^\circ = 180^\circ$

D. $2Y^\circ = x^\circ$

Q49 Pythagorean Identities

If $\sin A = \frac{3}{5}$, then find the value of $\sqrt{\frac{1 + \sin A}{1 - \sin A}} + \sqrt{\frac{1 - \sin A}{1 + \sin A}} + \sqrt{\frac{\sec A - \tan A}{\sec A + \tan A}}$.

A. 7

B. 3



C. 5

D. 1

Q50 tan-cot Relation

If $\tan \theta + \cot \theta = 2$, find $\tan^2 \theta + \cot^2 \theta$.

A. 0

B. 2



C. 1

D. 4



Q51 Facing Center

P, Q, R, S, T, and U are sitting around a circular table, facing the center.

S sits second to the right of Q. Only two people sit between Q and T when counted from the right of Q. P sits to the immediate right of T. U sits to the immediate left of S.

Who sits to the immediate right of P?

A. U

B. R

C. S

D. Q

Q52 Facing Center

Six friends, C, D, E, O, P and Q, are sitting around a circular table, facing the center of the table.

D sits third to the left of E. Only one person sits between E and Q when counted from the left of Q. Only one person sits between O and P when counted from the right of O.

Who sits third to the right of C?

A. Q

B. D

C. P

D. E

Q53 Floor/Building Arrangement

E, F, G, H, L and M live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on, till the topmost floor is numbered 6. Only H lives below M. Only L lives above G. E lives immediately below G. How many people live between F and H?

A. Four

B. Three

C. One

D. Two

Q54 Group Pattern

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

WBE REJ MHO HKT ?

A. CNY

B. BMT

C. DNZ

D. DMX

Q55 Letter Analogy

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: PSX :: EHM : %

A. # = MPU , % = HKP

B. # = OIU , % = KIP

C. # = MOI , % = IJP

D. # = MNU , % = PLP

Q56 Letter Analogy

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: OQO :: HJH : %

A. # = LNL , % = KMK

B. # = LPN , % = KMK

C. # = LNL , % = KLL

D. # = LNK , % = JLJ

Q57 Letter Analogy

FKSU is related to ZEMO in a certain way based on the English alphabetical order. In the same way, JMQL is related to DGKF. To which of the following is NYBO related to, following the same logic?

A. HSVI

B. HTVJ

C. ISUJ

D. ISUI

Q58 Letter Series

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

(Left) L B I R P N U U S J Y U U A P Z I A X A O E (Right)

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

A. 4

B. 6

C. 3

D. 5



Q59 Letters in a Given Word

Each vowel in the word CAUTERY 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. None
- B. Two
- C. Three
- D. One

**Q60 Mathematical Operations**

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

(Left) 264 591 267 173 761 (Right)

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

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

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

- A. 15
- B. 13
- C. 14
- D. 17

**Q61 Mathematical Operations**

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

(Left) 761 793 523 591 791 (Right)

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

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

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

- A. 10
- B. 14
- C. 12
- D. 11

**Q62 Missing Number**

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

195 201 213 231 255 ?

- A. 279
- B. 292
- C. 277
- D. 285

**Q63 Multiple Turns**

Pramod starts from Point A and drives 36 km towards the south. He then takes a right turn, drives 45 km, turns right and drives 41 km. He then takes a right turn and drives 56 km. He takes a final right turn, drives 5 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

- A. 13 km to the east
- B. 10 km to the west
- C. 15 km to the east
- D. 11 km to the west

**Q64 Operation Based**

Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, a certain mathematical operation on the second number results in the third number and so on. Which of the given options follows the same set of mathematical operations as followed in the two sets?

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

15-225-235-245

22-484-494-504

- A. 21-441-461-471
- B. 18-324-314-304
- C. 19-361-371-391
- D. 16-256-266-276

**Q65 Operation Based**

Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, a certain mathematical operation on the second number results in the third number and so on. Which of the given options follows the same set of operations as in the question? (NOTE: A two/three digit number cannot be broken into individual digits for operations. E.g. if 37 is followed by 10, the operation cannot be 3+7 as a two-digit number cannot be broken into individual digits.)

11 – 22 – 44 – 88 ; 13 – 26 – 52 – 104

- A. 12 – 24 – 48 – 90
- B. 15 – 30 – 60 – 120
- C. 16 – 32 – 64 – 100
- D. 14 – 28 – 56 – 98



Q66 Operator Swap

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

$$5 \div 2 + 12 \times 4 - 3 = ?$$

A. 8

B. 10



C. 12

D. 9

Q67 Operator Swap

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

$$7 \div 36 \times 4 - 27 + 13 = ?$$

A. 79

B. 75

C. 77



D. 81

Q68 Position Pattern

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the 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. PNL

B. ONK



C. AYW

D. IGE

Q69 Position Pattern

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. GI-IN



B. BD-EG

C. NP-QS

D. JL-MO

Q70 Position from Left/Right

Gaurav ranked 14th from the top and 98th from the bottom in his class. How many students are there in his class?

A. 113

B. 112

C. 110

D. 111

**Q71 Position from Left/Right**

In a row of people all facing North, Gyalmu is 9th from the right end. Akol is 11th from the right end. Akol is exactly between Gyalmu and Victoria. If Victoria is 2nd from the left end of the line, how many people are there in the row?

A. 11

B. 12

C. 14



D. 13

Q72 Rearrangement of Letters

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

A. Two

B. Three

C. None

D. One

**Q73 Rearrangement of Letters**

Each of the digits in the number 354892716 is arranged in ascending order from left to right. The position of how many digits will remain unchanged as compared to that in the original number?

A. Two

B. One



C. Three

D. None



Q74 Symbol Based

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

How is M related to K if 'M # E % W - P @ K'?

- A. Mother's sister's son
- B. Mother's son
- C. Brother's son
- D. Mother's brother's son

**Q75 Symbol Based**

In a certain code language,

A ^ B means 'A is the wife of B',
 A ! B means 'A is the brother of B',
 A £ B means 'A is the father of B' and
 A € B means 'A is the son of B'.

Based on the above, how is P related to U if 'P ! Q € S £ T ^ U'?

- A. Mother
- B. Wife
- C. Daughter
- D. Wife's brother

**Q76 Symbol Included Pattern**

Refer to the given letter, number and symbol series and answer the question that follows. All numbers are single-digit numbers.

(Left) O G © K S 6 C % J 2 7 7 Y M & W 1 \$ Y © € © (Right)

If all the symbols are dropped from the series, which of the following will be sixth from the left?

- A. 6
- B. C
- C. 7
- D. J

**Q77 Symbol Included Pattern**

Refer to the following letter, symbol series and answer the question.

(Left) C N M + M & % F \$ # S @ B H J \$ H & J K + (Right)

If all the letters are dropped from the series, which of the following will be seventh from the right?

- A. @
- B. +
- C. %
- D. #

**Q78 Two Statement Sufficiency**

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Among 5 sticks, V, H, Y, D and N, each having a different height, which stick is the shortest?

(I) N is taller than only two sticks. D is taller than N but shorter than Y.

(II) V is taller than H.

- A. Data in Statement II alone is sufficient to answer the question while data in statement I is not
- B. Both statements I and II together are NOT sufficient to answer the question
- C. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.
- D. Data in Statement I alone is sufficient to answer the question while data in statement II is not

**Q79 Two Statement Syllogism**

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

Statements:

All teachers are professionals.

All professionals are doctors.

Conclusions:

(I) Some doctors are teachers.

(II) All teachers are doctors.

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



Q80 Two Statement Syllogism

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

Statements:

All cups are bowls.
No cup is a tank.

Conclusions:

- (I) Some tanks are bowls.
(II) All bowls are tanks.

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

**General Awareness**

20 Questions • Answer Key

Q81 Civilian Awards

Who among the following was honored with the Padma Vibhushan in January 2026 for their contribution to Public Affairs?

- A. K. T. Thomas
B. Dharmendra Singh Deol
C. N. Rajam
D. P. Narayanan

**Q82 Constitutional Posts**

Suvendu Adhikari of the Bharatiya Janata Party (BJP) was named the Chief Minister of which state in May 2026?

- A. West Bengal
B. Odisha
C. Maharashtra
D. Gujarat

**Q83 Constitutional Posts**

Who was sworn in as the chief minister of Tamil Nadu in May 2026?

- A. Udayanidhi Stalin
B. C. Joseph Vijay
C. Rajnikant
D. Kamal Hasan

**Q84 Cricket (IPL, WC, etc.)**

Which team became the first to hit more than 100 sixes in a single T20 tournament during the 2026 Men's T20 World Cup?

- A. New Zealand
B. England
C. Australia
D. India

**Q85 Economic Current Affairs**

According to the Economic Survey 2025–26, which health condition was highlighted as a rapidly emerging public health challenge and an important social concern in India?

- A. Malnutrition
B. Tuberculosis
C. Obesity
D. Anaemia

**Q86 Election Commission**

The Special Intensive Revision (SIR) exercise that was upheld by the Supreme Court in 2026 was conducted in:

- A. Uttar Pradesh
B. Bihar
C. West Bengal
D. Tamil Nadu



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Q87 G7, G20, BRICS, SCO

In May 2026, the BRICS Foreign Ministers' Meeting was hosted by which country?

- A. Russia
- B. India ✓
- C. Brazil
- D. China

Q88 HDI, GHI, etc.

According to the Climate Change Performance Index (CCPI) 2026 released at the UN Climate Summit, India dropped 13 places to settle at which specific position?

- A. 23rd position ✓
- B. 15th position
- C. 35th position
- D. 10th position

Q89 Individual Records

Which Indian woman created history by breaking world record for gold medal in the women's 25-m pistol event at SSF World Cup held in May 2026 at Munich?

- A. Esha Singh ✓
- B. Manu Bhaker
- C. Rahi Sarnobat
- D. Suruchi Singh

Q90 Individual Records

In May 2026, who created a new national record while winning the gold medal in the 100m race at the Athletics Federation Cup?

- A. Rajinder Singh
- B. Gurindervir Singh ✓
- C. Tejaswin Shankar
- D. Animesh Kujur

Q91 Missile Tests & Systems

What is the name of the indigenous air-to-surface missile for which flight tests were conducted successfully by DRDO and the Indian Air Force in June 2026?

- A. RudraM-IV
- B. RudraM-I
- C. RudraM-II ✓
- D. RudraM-III

Q92 National Current Affairs

Which singer, a legend of Indian film music, passed away in April 2026 at the age of 92?

- A. Asha Bhosle ✓
- B. Kishore Kumar
- C. Mohammed Rafi
- D. Lata Mangeshkar

Q93 New Schemes & Programs

Which Union Government Ministry initiated a nationwide annual health check-up for all workers aged 40 years and above in May 2026?

- A. Ministry of Labour and Employment ✓
- B. Ministry of Health and Family Welfare
- C. Ministry of Rural Development
- D. Ministry of Social Justice and Empowerment

Q94 Policy Changes & Amendments

The Central Armed Police Forces (General Administration) Bill, 2026, introduced which major reform regarding senior leadership appointments in India's Central Armed Police Forces?

- A. Director General posts can only be filled through state police promotions
- B. All Inspector General posts must be filled through direct recruitment
- C. At least 50% of constable-level posts must be reserved for ex-servicemen
- D. All Special Director General and Director General posts must be filled through deputation ✓

Q95 Policy Changes & Amendments

Which state Legislative Assembly passed the **Uniform Civil Code (UCC) Bill, 2026**, on May 27, 2026, making it the third state in India after Uttarakhand and Gujarat to enact such legislation?

- A. West Bengal
- B. Assam ✓
- C. Himachal Pradesh
- D. Telangana



Q96 Recent ISRO Missions

IMEx-2026, announced by ISRO, offers scientists and startups an opportunity to conduct experiments under which special condition?

- A. High-altitude atmospheric testing
- B. Microgravity conditions ✓
- C. Desert climate simulations
- D. Deep ocean pressure conditions

Q97 Recent Tournaments

Which country hosted the 2026 AFC Women's Asian Cup football tournament?

- A. China
- B. South Korea
- C. Japan
- D. Australia ✓

Q98 Species Conservation

In 2026, the Government of India expanded the "Namami Gange Mission" by launching new aquatic biodiversity conservation initiatives for the Ganga river ecosystem. This initiative is most directly linked with which Sustainable Development Goal (SDG)?

- A. SDG 5 – Gender Equality
- B. SDG 8 – Decent Work and Economic Growth
- C. SDG 14 – Life Below Water ✓
- D. SDG 16 – Peace, Justice and Strong Institutions

Q99 Treaties & Agreements

Which two organizations signed a Memorandum of Understanding during the visit of European leaders to India on 27.01.2026?

- A. Reserve Bank of India and European Securities and Markets Authority ✓
- B. State Bank of India and European Bank for Reconstruction and Development
- C. European Securities and Markets Authority and National Bank for Agriculture and Rural Development
- D. European Securities and Markets Authority and Small Industries Development Bank of India

Q100 UN Declared Days

What was the official theme of International Women's Day on 8 March 2026?

- A. Invest in Women: Accelerate Progress
- B. DigitALL: Innovation and Technology for Gender Equality
- C. Rights. Justice. Action. For ALL Women and Girls. ✓
- D. I am Generation Equality: Realizing Women's Rights



General Science

25 Questions • Answer Key

Q1 Atomic Structure & Models

Chlorine occurs in nature in two isotopic forms, with masses 35 u and 37 u, then average atomic mass of chlorine atom estimated would have been:

A. 35.5 u



B. 35.2 u

C. 34.5 u

D. 35 u

Q2 Basic Organic Chemistry

Which of the following statements about a homologous series are CORRECT?

1. All members have the same general formula.
2. Each successive member differs by a $-CH_2-$ group.
3. Physical properties remain identical for all members.

A. Only 2 and 3

B. Only 1 and 2



C. 1, 2, and 3

D. Only 1 and 3

Q3 Carbon & Its Compounds

Which of the following statements correctly identifies a key property of diamond, an allotrope of carbon, that distinguishes it from graphite?

A. Diamond has soft layers that slide over each other.

B. Diamond exists in a layered structure like graphite.

C. Diamond conducts electricity because of delocalised electrons.

D. Diamond is a non-conductor of electricity due to the absence of free electrons.

**Q4 Chemical Bonding (Ionic, Covalent)**

When potassium reacts with chlorine to form potassium chloride, which formula correctly represents the resulting compound based on their combining ratios?

A. K_2Cl_2

B. KCl



C. KCl_2

D. K_2Cl

Q5 Circulatory System (Heart, Blood)

Which chamber of the human heart pumps blood directly to the lungs for oxygenation?

A. Left atrium

B. Right ventricle



C. Left ventricle

D. Right atrium

Q6 Ecology & Environment

All of the following processes consume atmospheric oxygen, EXCEPT:

A. Photosynthesis by green plants



B. Combustion of fossil fuels

C. Respiration by plants

D. Respiration by animals

Q7 Ecosystem & Food Chain

In a grassland food chain, the maximum accumulation of a chemical pesticide would be found in:

A. Frog

B. Hawk



C. Grass

D. Grasshopper

Q8 Electromagnetic Induction

In an experiment, a metal rod moves northward across a horizontal magnetic field directed east. According to Fleming's Right Hand Rule, what is the direction of the induced current in the rod?

A. The induced current flows westward

B. The induced current flows eastward

C. The induced current flows vertically upward

D. The induced current flows vertically downward



Q9 Electromagnetic Induction

Which arrangement will result in the greatest induced current in a wire loop?

- A. Moving the loop quickly into a strong magnetic field ✓
- B. Keeping the loop stationary in a magnetic field
- C. Moving the loop slowly into a weak magnetic field
- D. Moving the loop parallel to the field lines

Q10 Light & Optics

A science museum is designing a demonstration to explain why the sky appears blue during the day but takes on reddish hues during sunrise and sunset. Which explanation best accounts for these observations based on the scattering of light in the atmosphere?

- A. The Sun emits more blue light during the day, while emitting more red light at sunset.
- B. Atmospheric absorption removes red light during the day, while removing blue light at sunset.
- C. Dust particles scatter all wavelengths equally, while increased dust at sunset makes red light more visible.
- D. Shorter wavelengths scatter more strongly, while longer atmospheric paths at sunset favour red wavelengths. ✓

Q11 Light & Optics

Which of the following statements related to dispersion are true?

- (1) Red light bends the most when passing through a glass prism.
- (2) The angle of deviation is the same for all colours.
- (3) Dispersion is one of the phenomenon responsible for the formation of a rainbow.
- (4) The speed of light decreases as the light goes from air into the prism.

- A. Both statements 1 and 3 only
- B. Both statements 1 and 2 only
- C. Both statements 3 and 4 only ✓
- D. Both statements 2 and 4 only

Q12 Mechanics

A car increases its velocity from 10 m/s to 30 m/s in 5 seconds. What is the acceleration of the car?

- A. 6 m/s²
- B. 2 m/s²
- C. 10 m/s²
- D. 4 m/s² ✓

Q13 Mirrors & Lenses

A student moves a lighted candle from infinity towards the focus of a convex lens. How does the size of the image change?

- A. The image disappears
- B. The image increases in size ✓
- C. The image decreases in size
- D. The image remains the same size throughout

Q14 Mixtures, Solutions, Colloids

Which statement correctly compares the particle size in a suspension with that in a solution?

- A. Suspension particles are molecular in size and solution particles are atoms
- B. Both have equal particle size
- C. Suspension particles are smaller than solution particles
- D. Suspension particles are larger than solution particles ✓

Q15 Nervous System & Brain

What is a unique function of the forebrain compared to other brain regions?

- A. It regulates heartbeat
- B. It releases hormones
- C. It controls balance
- D. It receives sensory impulses ✓

Q16 Oxidation & Reduction (Redox)

Consider the reaction:



Based on the oxygen–hydrogen definition of redox reactions, which substance undergoes reduction in this reaction?

- A. Hydrogen chloride loses hydrogen
- B. Chlorine gas forms by oxidation
- C. Manganese dioxide loses oxygen ✓
- D. Water forms after oxygen gain

Q17 Physical & Chemical Properties

When magnesium metal reacts with hot water, what is the main product formed alongside hydrogen gas?

- A. Magnesium hydroxide ✓
- B. Iron hydroxide
- C. Copper hydroxide
- D. Magnesium oxide



Q18 Plant Tissues & Transport

Which characteristic is unique to meristematic tissue in plants?

- A. Cells transport water and minerals
- B. Cells are capable of continuous division ✓
- C. Cells have thick secondary walls
- D. Cells mainly provide mechanical support

Q19 Plant Tissues & Transport

Dead structures are often "hard and rigid." Which simple permanent tissue is mainly made of dead cells that provide mechanical strength to plants?

- A. Epidermis
- B. Sclerenchyma ✓
- C. Parenchyma
- D. Meristematic tissue

Q20 Pollution (Air, Water, Soil, Noise)

Which of the following devices earlier used CFCs extensively?

- A. Solar cooker
- B. Bicycle
- C. Refrigerator ✓
- D. Water purifier

Q21 SI Units & Dimensions

Which of the following best represents the correct unit for average velocity in the SI system?

- A. kilometer per hour
- B. meter per second ✓
- C. centimeter per minute
- D. foot per second

Q22 Theory of Evolution

A zoologist compares the claws of arboreal and terrestrial mammals. Which of these defines the structural difference primarily indicating their adaptation?

- A. The dual role of providing camouflage in their habitat
- B. Suitability for climbing versus walking on flat ground ✓
- C. Equal sharpness developed primarily for defensive needs
- D. A uniform increase in claw length across all arboreal species

Q23 Work, Energy & Power

A machine completes a task requiring 3000 J of work in half a minute. The average power delivered by the machine is ____.

- A. 300 W
- B. 10 W
- C. 30 W
- D. 100 W ✓

Q24 Work, Energy & Power

Machine M does 600 J of work in 20 s. Machine N does 900 J of work in 15 s. Which statement is correct?

- A. Machine M develops greater power.
- B. Both machines develop the same power.
- C. Machine N develops 1.5 times the power of Machine M.
- D. Machine N develops twice the power of Machine M. ✓

Q25 pH Scale & Indicators

Which colour change does phenolphthalein show in a basic solution?

- A. Colourless to pink gradually ✓
- B. White to green when shaken
- C. Blue to colourless instantly
- D. Yellow to red immediately



Q26 2-Year Difference

The compound interest on a sum for two years is ₹1,560 and the corresponding simple interest is ₹1,500. Find the compound interest on the same sum at the same rate of interest for 3 years.

- A. ₹2634.80
- B. ₹2260.20
- C. ₹2456.40
- D. ₹2434.80

**Q27 Age in Ratio Form**

If the ratio of the present age of Anusha to the present age of Vishnu is 8:5 and the sum of their present ages is 78 years, find the present age of Vishnu.

- A. 32 years
- B. 30 years
- C. 34 years
- D. 36 years

**Q28 Annual Compounding**

Divide ₹16,165 between Prateek and Siva Prasad such that Prateek's share at the end of 3 years is equal to Siva Prasad's share at the end of 5 years, with compound interest at 20% per annum, compounded annually. Then Prateek's share is:

- A. ₹9144
- B. ₹7021
- C. ₹9540
- D. ₹6625

**Q29 Basic Ratio**

Two numbers are, respectively, 15% and 40% more than the third number. What is the ratio between the two numbers?

- A. 24 : 28
- B. 20 : 28
- C. 23 : 28
- D. 23 : 26

**Q30 Basic TSD**

A student is travelling to an examination center. If he travels by his bicycle at 10 km/hr, he will be 15 minutes late. If he travels by an auto at 12 km/hr, he will be 5 minutes early. What is the distance to the examination center?

- A. 15 km
- B. 24 km
- C. 20 km
- D. 18 km

**Q31 Crossing Bridge/Platform**

A train with a speed of 126 km/hr crosses a bridge in 50 seconds. Another train 150 m longer than the first train, crosses the same bridge at 90 km/hr. The time (in seconds) taken by the second train to cross the bridge, is:

- A. 70
- B. 68
- C. 76
- D. 74

**Q32 Finding Value from Percentage**

A person spends 70% of his income and saves ₹6,000. Find his total income.

- A. ₹18,000
- B. ₹20,000
- C. ₹22,000
- D. ₹24,000

**Q33 HCF/LCM Word Problems**

Rahul visits the library every 6 days, Priya visits every 8 days, and Amit visits every 12 days. If all three meet at the library today, after how many days will they all next meet there?

- A. 16 days
- B. 20 days
- C. 24 days
- D. 28 days



Q34 Indices/Exponents

Arrange the following in descending order: 16^6 , 27^4 , 5^{12} .

A. $5^{12} > 16^6 > 27^4$ ✓

B. $27^4 > 16^6 > 5^{12}$

C. $27^4 > 5^{12} > 16^6$

D. $16^6 > 5^{12} > 27^4$

Q35 Laws of Indices

Given that $148^{0.27} = x$, $148^{0.51} = y$ and $x^z = y^6$, then the value of z is close to:

A. 13.37

B. 10.11

C. 11.33 ✓

D. 12.22

Q36 MP with Discount and Profit

A shopkeeper increases the price of an article by 20% above the cost price and then offers a discount of 25% on the new price. Later, he again increases the discounted price by 10%. If the cost price of the article was ₹500, what is the final price of the article?

A. ₹490

B. ₹485

C. ₹495 ✓

D. ₹510

Q37 Median

The mean and the mode of a set of data are 16.4 and 24, respectively. Find the median of the data, using the empirical formula. (Round off to one decimal place)

A. 20.7

B. 18.9 ✓

C. 20.4

D. 19.6

Q38 Multiple Pipes

Pipe A can fill a tank in 3 hours, pipe B can fill the same tank in 24 hours and pipe C can fill the same tank in 8 hours. The time taken (in hours) by them to fill half of the same tank if they operate together is:

A. 3

B. 1 ✓

C. 4

D. 2

Q39 Number of Diagonals

Let A be a regular polygon such that the sum of the interior angles of A is 2340° . Find the number of diagonals of A.

A. 86

B. 90 ✓

C. 100

D. 120

Q40 Profit/Loss Percentage

A trader buys an article for ₹350 and sells it for ₹420. Find his profit percentage.

A. 20% ✓

B. 15%

C. 30%

D. 25%

Q41 Proportion

If 7, 14.2, 21.7, and x are in proportion, what is the value of x ?

A. 44.02 ✓

B. 48.08

C. 50.12

D. 46.04

Q42 Sphere & Hemisphere

The surface area of a sphere is numerically equal to the volume of the same sphere. What is the radius of the sphere?

A. 3 units ✓

B. 9 units

C. 4 units

D. 6 units

Q43 Successive Discount

The marked price of a cooker is same at four shops I, II, III and IV.

Shop I allows two successive discounts of 78% and 43%, shop II allows successive discounts of 74% and 83%, shop III allows successive discounts of 15% and 93%, and shop IV allows successive discounts of 93%, 84%, and 42% on the marked price of the cooker.

Which shop is selling the cooker at the lowest price?

A. III

B. I

C. IV ✓

D. II



Q44 Weighted Average

A factory buys 10 machines: 6 of Machine A, 4 of Machine B. Their prices are ₹20300 and ₹87000, respectively. Find the average cost of the machines.

A. ₹46960

B. ₹46980



C. ₹46970

D. ₹46990

Q45 Basic Trigonometric Ratios

If $\operatorname{cosec} A = \sqrt{10}$, find the value of $\frac{3 \sin^2 A + 4 \cot^2 A}{6(\tan^2 A + \cos^2 A)}$.

A. $\frac{545}{91}$

B. $\frac{726}{91}$

C. $\frac{1089}{182}$



D. $\frac{1017}{182}$

Q46 Basic Trigonometric Ratios

If $\tan A = \frac{27}{36}$ and A is an acute angle, find the value of $\sqrt{1 + \frac{2 \sin A + \cos A}{5 \cos A - \sin A}}$.

A. $5\sqrt{\frac{3}{17}}$

B. $\frac{5\sqrt{3}}{17}$

C. $3\sqrt{\frac{3}{17}}$

D. $\frac{3\sqrt{3}}{17}$

**Q47 Cylinder**

A steel factory constructs a closed cylindrical tank. The entire outer surface (including top and bottom) is painted at ₹3 per cm^2 . The total painting cost is ₹2,772. If the height of the cylinder is twice its radius, what is its volume? (Use $\pi = \frac{22}{7}$)

A. 2,282 cm^3

B. 2,246 cm^3

C. 2,156 cm^3



D. 2,236 cm^3



Q48 Find Rate

If the simple interest on ₹4,000 for 3 years is ₹960, what is the rate of interest per annum?

A. 8%



B. 7%

C. 9%

D. 6%

Q49 Mean of Grouped Data

Find the Arithmetic mean of the following data:

x_i	5	12	10	15	18
f_i	24	25	28	30	40

(Answer correct to two decimal places)

A. 16.72

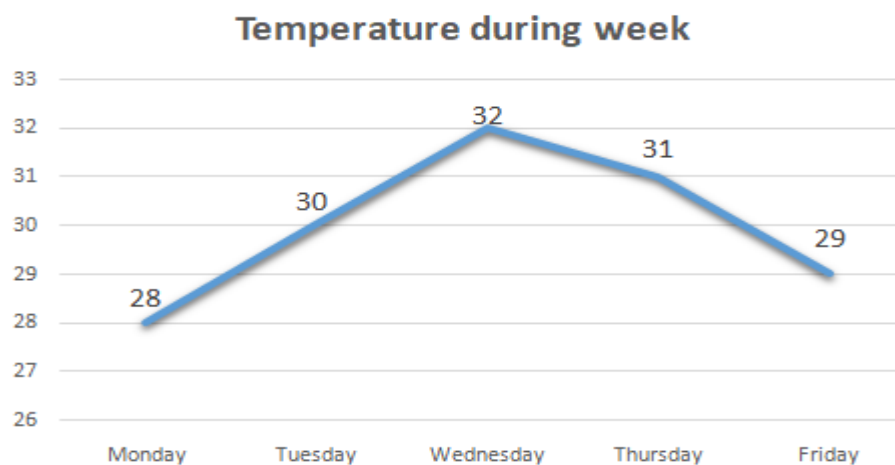
B. 11.72

C. 10.66

D. 12.72

**Q50 Trend Analysis**

The given line graph data shows the temperature (in °C) recorded during a week. On which day was the second highest temperature recorded?



A. Wednesday

B. Tuesday

C. Friday

D. Thursday



Q51 Facing Center

Six friends, C, D, E, O, P and Q, are sitting around a circular table, facing the center of the table.

C sits fourth to the left of E. D sits fourth to the right of Q. Only two people sit between E and Q when counted from the left of E. O is not an immediate neighbor of E.

Who sits third to the right of P?

A. C



B. D

C. O

D. Q

Q52 Facing Center

W, I, N, T, E, R and S are sitting around a circular table facing the centre of the table.

I sits third to the left of N. Only one person sits between N and W when counted from the left of W. Only two people sit between S and E when counted from the right of E. R is an immediate neighbor of S. Who sits third to the right of T?

A. W

B. S

C. I



D. R

Q53 Floor/Building Arrangement

L, B, C, D, G and M live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on, till the topmost floor, which is numbered 6.

Only five people live below G. Only two people live between M and G. L lives immediately below C but not on an odd-numbered floor. B does not live on an even-numbered floor.

How many people live between D and C?

A. Two



B. Three

C. Four

D. One

Q54 Floor/Building Arrangement

A, D, F, G, H and S live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6.

F lives on an even numbered floor but not 4. The sum of floors on which F and H live is 9. Only 3 people live between G and D. The sum of floors on which S and D live is 3. What is the sum of floors on which A and G live?

A. 11

B. 10

C. 8

D. 9

**Q55 Group Pattern**

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

JPT INQ HLN GJK ?

A. FHH



B. FHI

C. FIH

D. FII

Q56 Letters in a Given Word

Each vowel in the word CONTAIN 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 be second from the left in the new group of letters thus formed?

A. P



B. O

C. Q

D. R

Q57 Linear Family Relations

E is the father of F. F is the mother of G. G is the wife of H. How is F related to H?

A. Husband

B. Mother

C. Husband's Mother

D. Wife's Mother



Q58 Mathematical Operations

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

(Left) 131 419 169 214 899 (Right)

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

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

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

A. 10



B. 11

C. 13

D. 9

Q59 Mathematical Operations

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

(Left) 531 579 211 298 567 (Right)

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

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

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

A. 12

B. 8



C. 9

D. 7

Q60 Missing Number

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

93 100 114 135 163 ?

A. 201

B. 196

C. 203

D. 198

**Q61 Multiple Turns**

Kiran starts from point B and drives 15 km towards South. He then takes a left turn, drives 8 km, turns right, and drives 5 km. He then takes a right turn and drives 8 km. Finally, he takes a right turn, drives 13 km, and stops at point P. How far (shortest distance) and towards which direction should he drive in order to reach point B again? (All turns are 90-degree turns only unless specified.)

A. 5 km towards East

B. 7 km towards North



C. 6 km towards East

D. 7 km towards West

Q62 Multiple Turns

Mr. Samten starts from Point A and drives 15 km towards south. He then takes a left turn, drives 9 km, again turns left and drives 42 km. Next, he takes a left turn, drives 11 km, turns left and drives 17 km. He then takes a right turn and drives 10 km. He takes a final left turn, drives 10 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degree turns only, unless specified.)

A. 12 km towards south

B. 16 km towards north

C. 16 km towards west

D. 12 km towards east

**Q63 Multiple Turns**

Mahek starts from Point A and drives 53 km towards north. He then takes a left turn, drives 65 km, turns left and drives 68 km. He then takes a left turn and drives 67 km. He takes a final left turn, drives 15 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 2 km to the south

B. 2 km to the west



C. 2 km to the east

D. 1 km to the west



Q64 Operation Based

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 etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

11 – 31

2 – 22

A. 45 – 96

B. 5 – 35

C. 19 – 35

D. 9 – 29

**Q65 Operation Based**

Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, a certain mathematical operation on the second number results in the third number and so on. Which of the given options follows the same set of operations as in the question?

(NOTE: A two/three digit number cannot be broken into individual digits for operations. E.g. if 37 is followed by 10, the operation cannot be 3+7 as a two-digit number cannot be broken into individual digits.)

5 – 20 – 16 – 64 ; 7 – 28 – 24 – 96

A. 11 – 21 – 17 – 69

B. 6 – 24 – 20 – 80



C. 9 – 36 – 33 – 120

D. 8 – 32 – 28 – 120

Q66 Operator Swap

If '+' means 'subtraction', '-' means 'multiplication', 'x' means 'division' and '÷' means 'addition', then what will come in place of the question mark (?) in the following equation?

$$12 - 2 + 48 \times 3 \div 14 = ?$$

A. 27

B. 11

C. 22



D. 16

Q67 Operator Swap

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

$$41 - 25 + 2 \times 1 \div 15 = ?$$

A. 36



B. 37

C. 34

D. 38

Q68 Operator Swap

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

$$4 \div 3 + 16 \times 4 - 4 = ?$$

A. 10

B. 8

C. 6

D. 12

**Q69 Pattern Based**

KRPM is related to QXVS in a certain way based on the English alphabetical order. In the same way, FMKH is related to LSQN. To which of the following is AHFC related, following the same logic?

A. GNIL

B. NGLI

C. GNLI



D. NGIL

Q70 Pattern Based

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: RLQ :: QKP : %

A. # = OLN, % = TNU

B. # = PON, % = TJU

C. # = OOI, % = YYS

D. # = OIN, % = TNS



Q71 Pattern Based

PURE is related to URWB in a certain way based on the English alphabetical order. In the same way, RING is related to WFSD. To which of the given options is SOUL related, following the same logic?

A. XLZI



B. NPIL

C. XZIL

D. NLPI

Q72 Position Pattern

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the 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. DIO

B. EJP

C. JOT



D. AFL

Q73 Position Pattern

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the 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. HMI



B. WAX

C. FJG

D. OSP

Q74 Position from Left/Right

Harish ranked 54th from the top and 78th from the bottom in his class. How many students are there in his class?

A. 131



B. 130

C. 133

D. 132

Q75 Shifting Pattern (+1, +2, etc.)

Each vowel in the word COLLECT 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 be first from the right in the new group of letters thus formed?

A. F

B. K

C. S



D. B

Q76 Symbol Based

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

How is S related to N if 'S - E × W ÷ T + N'?

A. Father

B. Mother's sister

C. Mother's brother



D. Brother

Q77 Symbol Included Pattern

Refer to the following letter, symbol series and answer the question.

(Left) E B M + ? # N \$ @ + ? N P % F \$ E R T # + # (Right)

If all the letters are dropped from the series, which of the following will be seventh from the right?

A. \$

B. @

C. +



D. =



Q78 Symbol Included Pattern

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

(Left) # 3 & * 7 @ \$ 8 * > 4 4 \ 2 3 \ & 8 7 / # (Right)

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

A. 1



B. 3

C. 2

D. 0

Q79 Symbol Included Pattern

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

(Left) X # \$ L K M O > ? A S + T % @ A P & ? X Z R @ * + # I O ? & @ E R \$ Y U ? (Right)

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

A. 3

B. 2



C. 1

D. 4

Q80 Two Statement Syllogism

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

Statements:

All books are pens.

No pen is a paper.

Conclusions:

(I) Some books are papers.

(II) No book is a paper.

A. Only conclusion (I) follows

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

C. Only conclusion (II) follows



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

General Awareness

20 Questions • Answer Key

Q81 Civilian Awards

Which actor was posthumously conferred with Padma Vibhushan award by government of India in 2026?

A. Manoj Kumar

B. Raj Kumar

C. Dharmendra Singh Deol



D. Rishi Kapoor

Q83 Economic Current Affairs

In FY 2026, which expenditure category, with a growth of 7.0%, indicated strengthening consumer demand?

A. Export Expenditure

B. Defence Expenditure

C. Private Final Consumption Expenditure



D. Government Capital Expenditure

Q82 Conflicts & Peace Processes

Who is the chairman of the international organisation, Board of Peace, which was founded in January 2026?

A. Alyaksandr Lukashenka

B. Hamad bin Isa Al Khalifa

C. Benjamin Netanyahu

D. Donald J. Trump

**Q84 HDI, GHI, etc.**

According to Stanford University's 2025 Global AI Vibrancy Tool report, what was India's global ranking in Artificial Intelligence competitiveness?

A. Third position



B. Fourth position

C. Seventh position

D. Fifth position



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Q85 HDI, GHI, etc.

According to the Responsible Nations Index (RNI) 2026, which evaluates countries based on their contribution to global well-being and international responsibility, what rank was secured by India?

- A. 10th position globally
- B. 16th position globally ✓
- C. 18th position globally
- D. 12th position globally

Q86 International Sports Awards

Who was named the Laureus World Sportswoman of the Year at the 2026 Laureus World Sports Awards?

- A. Katie Ledecky
- B. Aitana Bonmatí
- C. Sydney McLaughlin-Levrone
- D. Aryna Sabalenka ✓

Q87 International Sports Awards

Which football club was honored as the Laureus World Team of the Year in 2026 after capturing its historic first-ever UEFA Champions League title?

- A. Paris Saint-Germain ✓
- B. Manchester City
- C. Real Madrid
- D. Bayern Munich

Q88 Military Exercises

The 14th edition of Joint Military Exercise EKUVERIN, conducted from 2–15 December 2025 at Thiruvananthapuram, involved the Indian Army contingent from the Garhwal Rifles and which of the following armed forces personnel?

- A. The Seychelles People's Defence Forces
- B. The Sri Lanka Army Special Forces Command
- C. The Maldives National Defence Force (MNDF) ✓
- D. The Mauritius Police Special Mobile Force

Q89 Missile Tests & Systems

In February 2026, the Defence Research & Development Organisation (DRDO) successfully demonstrated which advanced propulsion technology from the Integrated Test Range (ITR), Chandipur, Odisha, enabling the development of long-range air-to-air missiles?

- A. Solid Fuel Ducted Ramjet technology ✓
- B. Liquid-propellant rocket engine technology
- C. Scramjet propulsion technology
- D. Turbojet propulsion technology

Q90 National Current Affairs

In 2026, which of the following All India Institute of Medical Sciences (AIIMS) became the first AIIMS in India to host a Gen Z Post Office initiative?

- A. AIIMS Jammu ✓
- B. AIIMS Patna
- C. AIIMS New Delhi
- D. AIIMS Nagpur

Q91 National Themed Days

The national-level celebration of National Science Day, organized by the Department of Science and Technology at Vigyan Bhawan in New Delhi during 2026, was conducted under which official theme?

- A. Indigenous Technologies for Viksit Bharat
- B. Women in Science: Catalysing Viksit Bharat ✓
- C. The Role of Science in National Development
- D. Integrated Approach in S&T for Sustainable Future

Q92 New Apps & Portals

On 30th January 2026, the Ministry of Minority Affairs launched which new modules on the UMEED Central Portal?

- A. Survey Module and Waqf Property Lease Module ✓
- B. Audit Module and Registration Module
- C. Tax Module and Compliance Module
- D. Land Record Module and Donation Module



Q93 New Parks & Reserves

According to the Ministry of Environment, Forest and Climate Change notification issued during 2026, which of the following wildlife sanctuaries was declared an Eco-Sensitive Zone?

- A. Dandeli Wildlife Sanctuary
- B. Sultanpur Wildlife Sanctuary
- C. Pobitora Wildlife Sanctuary
- D. Kumbhalgarh Wildlife Sanctuary



Q94 New Schemes & Programs

What is the primary objective of the National Project approved by the MoPR and NDMA in December 2025 (unfolding in 2026) with an outlay of over Rs 500 crore?

- A. Constructing underground tsunami shelters in the Andaman Islands
- B. Strengthening community-based disaster risk reduction in Panchayati Raj institutions
- C. Building a new National Cyclone Warning Centre
- D. Purchasing fire-fighting drones for metro cities



Q95 New Schemes & Programs

The "Nirbhaya Nisha" project, operationalised on March 8, 2026, to ensure safe and independent night travel for women, is an initiative of which Indian state's police force?

- A. Andhra Pradesh Police
- B. Karnataka Police
- C. Tamil Nadu Police
- D. Kerala Police



Q96 Policy Changes & Amendments

In February 2026, which ministry released the draft of the Defence Acquisition Procedure (DAP) 2026?

- A. Ministry of External Affairs
- B. Ministry of Heavy Industries
- C. Ministry of Defence
- D. Ministry of Finance



Q97 Recent Tournaments

Who won the gold medal in the men's 60m event at the National Indoor Athletics Championships 2026?

- A. Reegan Ganesh
- B. Mohammed Afsal
- C. Animesh Kujur
- D. Gurindervir Singh



Q98 Right to Freedom (Art 19-22)

The Supreme Court's observation that access to trauma care forms an inseparable part of the Right to Life was made under which Article of the Constitution of India?

- A. Article 21
- B. Article 19
- C. Article 25
- D. Article 32



Q99 Sports Current Affairs

Which Indian Institute of Technology (IIT) introduced Omega Ball, in April 2026, an innovative three-team football format, marking its debut in India?

- A. IIT Kharagpur
- B. IIT Madras
- C. IIT Mumbai
- D. IIT Delhi



Q100 Summits & Conferences

Which country participated as a partner country in Gulfood 2026, the world's largest annual food and beverage sourcing event being held in Dubai from January 26-30, 2026?

- A. China
- B. Japan
- C. India
- D. Brazil



General Science

25 Questions • Answer Key

Q1 Atoms & Molecules

Which of the following statement(s) is/are true?

Statement I: The symbol 'Ag' stands for gold.

Statement II: The symbol 'Pb' represents lead.

- A. Statement I is correct, Statement II is incorrect
- B. Both statements are correct
- C. Both statements are incorrect
- D. Statement I is incorrect, Statement II is correct ✓

Q2 Basic Organic Chemistry

Which of the following properties of carbon leads to the formation of a large number of compounds?

- A. Malleability and Sonority
- B. Combustibility and Ductility
- C. Catenation and Tetravalency ✓
- D. Non flexibility

Q3 Chemical Bonding (Ionic, Covalent)

If a metal and a non-metal is mixed to form a compound, which type of charged species is most likely present, and how are they classified?

- A. Ions; classified as cations and anions ✓
- B. Atoms; classified as protons and neutrons
- C. Molecules; classified as acids and bases
- D. Elements; classified as metals and non-metals

Q4 Circulatory System (Heart, Blood)

A patient has difficulty transporting absorbed fats from the intestine. Which fluid's impaired function could cause this problem?

- A. Platelets
- B. Lymph ✓
- C. Blood cells
- D. Plasma

Q5 Current Electricity (Ohm's Law, Circuits)

Why is tungsten used as the filament material in electric bulbs?

- A. It is the cheapest metal available for manufacturing filaments.
- B. It produces more heat than other metals at lower temperatures.
- C. It has a high melting point and can withstand high temperatures without melting. ✓
- D. It reacts with nitrogen and argon to create a brighter light.

Q6 Current Electricity (Ohm's Law, Circuits)

What is the conventional direction of electric current in a metallic circuit?

- A. From the positive terminal to the negative terminal ✓
- B. From the negative terminal to the positive terminal
- C. In the direction of electron movement
- D. Randomly between any two points

Q7 Extraction & Metallurgy

Which of the following statements is CORRECT regarding the refining of metals?

- A. Refining involves converting the ore to oxide form.
- B. Refining is only used for highly reactive metals.
- C. Refining is used to remove impurities from the extracted metal. ✓
- D. Refining is the process of extracting metal from its ore.

Q8 Five Kingdom Classification

A patient has a chronic infection from a eukaryotic organism that reproduces via spores and has a chitin cell wall. Which type of organism is most likely responsible for this infection?

- A. Algae
- B. Fungus ✓
- C. Protozoa
- D. Bacteria



Q9 Mechanics

Which of the following describes an object moving with uniform motion along a straight line?

A. An object traveling at a constant speed in one direction ✓

B. An object changing direction at intervals

C. An object stopping and starting repeatedly

D. An object accelerating as it moves forward

Q10 Mechanics

In a simple machine, the force that must be overcome is called the ____.

A. Energy

B. Load ✓

C. Effort

D. Power

Q11 Mirrors & Lenses

A student places a small candle between the center of curvature and the principal focus of a concave mirror. What type of image will be formed by the mirror according to the ray diagram rules?

A. Real, inverted and enlarged image is produced beyond the center of curvature ✓

B. Virtual, erect and enlarged image is produced behind the mirror

C. Virtual, erect and diminished image is produced between pole and focus

D. Real, inverted and same size image is produced at the center of curvature

Q12 Mirrors & Lenses

A student places a candle beyond the center of curvature of a convex lens. What type of image is most likely to be formed on the other side of the lens?

A. A virtual and inverted image smaller than the object

B. A virtual and erect image larger than the object

C. A real and inverted image of the same size as the object

D. A real and inverted image smaller than the object ✓

Q13 Newton's Laws of Motion

A car with a mass 2000 kg accelerates at 4 m/s^2 . According to Newton's Second Law, what is the magnitude of the force applied to the car?

A. 1000 N

B. 8000 N ✓

C. 2500 N

D. 500 N

Q14 Oxidation & Reduction (Redox)

Consider the conversion of ethanol ($\text{CH}_3\text{CH}_2\text{OH}$) to acetic acid (CH_3COOH) using acidified potassium dichromate:

Statement I: This is an example of an oxidation reaction.

Statement II: Acidified potassium dichromate is an oxidizing agent.

Statement III: Acidified potassium dichromate is a reducing agent.

Which of the following is correct?

A. II and III are true

B. Only I is true

C. I and II are true ✓

D. I and III are true

Q15 Physical & Chemical Properties

Which statement best identifies a metalloid based on its properties?

A. It shows properties that are unrelated to metals and non-metals

B. It shows properties identical to non-metals in all conditions

C. It shows properties identical to metals in all conditions

D. It shows properties intermediate between metals and non-metals ✓

Q16 Plant Tissues & Transport

What is the main force that pulls water upward through the xylem in tall trees?

A. Transpiration pull ✓

B. Root pressure

C. Capillary action

D. Diffusion



Q17 Plant Tissues & Transport

Why do most plant supportive tissues consist of dead cells, whereas animal supportive tissues are made up of living cells?

- A. Plants do not require living cells at all
- B. Because dead cells divide faster in plants than in animals
- C. Animal tissues are dead to avoid immune reactions
- D. Dead cells in plants provide structural strength without requiring energy ✓

Q18 Pollution (Air, Water, Soil, Noise)

Which of the following is NOT biodegradable?

- A. Paper
- B. Leather
- C. Wool
- D. Plastic ✓

Q19 Pollution (Air, Water, Soil, Noise)

Why are non biodegradable substances harmful to the environment?

- A. They decompose very quickly
- B. They persist for a long time and may harm organisms ✓
- C. They enrich the soil
- D. They increase the oxygen level in air

Q20 Reflection & Refraction

A student observes that the incident ray, the refracted ray, and the normal at the point of incidence all lie in one plane. Which law of refraction does this illustrate?

- A. Law of dispersion
- B. Second law of refraction
- C. Law of superposition
- D. First law of refraction ✓

Q21 Reproduction in Plants

Complete the analogy.

Pollination : Transfer of Pollen :: Fertilisation :

- A. Growth of stem
- B. Ripening of fruit
- C. Absorption of water
- D. Fusion of gametes ✓

Q22 Skeletal & Muscular System

After severe trauma, a bird develops difficulty in body support and movement. Which vertebrate system is primarily affected?

- A. Simple digestive sac
- B. Basic muscle bands
- C. External gill arches
- D. Internal skeletal framework ✓

Q23 Types (Combination, Decomposition, etc.)

Which energy source is essential to initiate most decomposition reactions successfully?

- A. Presence of catalyst only
- B. Heat, light or electrical energy ✓
- C. Atmospheric pressure alone
- D. Mechanical stirring force

Q24 Work, Energy & Power

A roller coaster car relies solely on gravitational potential energy to travel along a track. Which engineering modification will most effectively maximize the maximum speed of the car at its lowest point?

- A. Introducing a secondary hill of equivalent height
- B. Replacing the underlying track with wider rails
- C. Increasing the starting elevation of the first hill ✓
- D. Decreasing the structural mass of the loaded car

Q25 pH Scale & Indicators

Which of the following is commonly used as an olfactory indicator?

- A. Phenolphthalein
- B. Methyl orange
- C. Litmus
- D. Vanilla essence ✓



Q26 Algebraic Identities

If $a + b = 9$ and $ab = 13$, then the value of $(a^2 + b^2)(a^3 + b^3)$ is:

- A. 20,390
- B. 20,190
- C. 20,590
- D. 20,790

**Q27 Annual Compounding**

A sum of money amounts to ₹9,016 at the rate of 12% compound interest per annum, compounded annually for 2 years. The sum of money is:

- A. ₹7,163.50
- B. ₹7,175.50
- C. ₹7,187.50
- D. ₹7,189.50

**Q28 Annual Compounding**

Gopal had ₹1,681 with him. He divided this amount between his sons, Akshay and Arjun, and asked them to invest their respective shares at a rate of 5% per annum, compounded annually. It was observed that Akshay and Arjun received the same amount after 15 years and 16 years, respectively. How much (in ₹) did Gopal give to Akshay?

- A. 711
- B. 920
- C. 820
- D. 861

**Q29 Basic Ratio**

Three numbers are in the ratio 4:5:6. If the sum of the largest and smallest numbers is 165 more than the third number, what is the largest number?

- A. 192
- B. 198
- C. 194
- D. 196

**Q30 Basic TSD**

Kaushal travelled for 1 hour 21 minutes at the speed of 80 km/h. At what speed (in km/h) should he travel to cover the same distance in 12 hours?

- A. 7
- B. 12
- C. 8
- D. 9

**Q31 Consecutive Numbers**

What will be the average of 5, 6, 7, 8, 9,, 66, 67, 68, 69, 70, 71?

- A. 36
- B. 34
- C. 38
- D. 32

**Q32 Median**

For a given data, if mean is 45.76 and mode is 29.44, then find the median using empirical formula.

- A. 41.34
- B. 43.78
- C. 42.45
- D. 40.32

**Q33 Multiple Pipes**

Pipe A can fill a tank in 3 hours, pipe B can fill the same tank in 42 hours and pipe C can fill the same tank in 7 hours. The time taken (in hours) by them to fill half of the same tank if they operate together is:

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

**Q34 Profit/Loss Percentage**

A beautician buys some beauty products worth ₹9,500 but later sells them for ₹7,885. Find her loss percentage.

- A. 17%
- B. 19%
- C. 11%
- D. 13%



Q35 Rules for 2,3,4,5,6

The 7-digit number 92A224B is divisible by 3. What is the minimum value of (A + B)?

- A. 6
- B. 3
- C. 1
- D. 2

**Q36 Rules for 2,3,4,5,6**

What is the least value that must be assigned to A so that the number 455A1280 is divisible by 30?

- A. 3
- B. 5
- C. 4
- D. 2

**Q37 Single Change**

The price of a mobile phone increased from ₹20,000 to ₹24,000. Find the percentage increase in price.

- A. 20%
- B. 18%
- C. 25%
- D. 15%

**Q38 Single Change**

If the price of a pen decreases from ₹24 to ₹18, the percentage decrease is:

- A. 25%
- B. 5%
- C. 35%
- D. 15%

**Q39 Successive Discount**

The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 59% and 97%, shop II allows successive discounts of 67% and 14%, shop III allows successive discounts of 13% and 18% and shop IV allows successive discounts of 80%, 46%, and 90% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

- A. I
- B. II
- C. III
- D. IV

**Q40 Triangle Area & Perimeter**

In an isosceles triangle UVW, $UV = UW = 25$ cm and $VW = 14$ cm, find the area of triangle UVW.

- A. 180 cm²
- B. 192 cm²
- C. 154 cm²
- D. 168 cm²

**Q41 Trigonometric Identities**

If $\cos A - \sin A = \sqrt{2} \sin A$, then what is the value of $(\cos A - \sin A)/(\cos A + \sin A)$?

- A. $\cos A$
- B. $\cot A$
- C. $\tan A$
- D. $\sin A$

**Q42 Two Trains Crossing**

Two trains are running on parallel tracks in the same direction. The first train, 150 m long, moves at a speed of 54 km/hr, while the second train, 120 m long, runs at 36 km/hr. How long will it take for the first train, coming from behind, to pass the second train completely?

- A. 36 s
- B. 45 s
- C. 54 s
- D. 40 s

**Q43 Ungrouped Data Median**

Ten observations written in descending order are 45, 34, 32, 30, $2x - 15$, $x + 3$, 17, 15, 14, and 8. If the median is 24, then find the value of x .

- A. 21
- B. 24
- C. 20
- D. 25



Q44 Basic Ratio

If $a:b:c:d = \sqrt{4} : \sqrt{3} : \sqrt{2} : 1$, then what is the value of $\left(\frac{-a^2 + b^2 + c^2 + d^2}{a^2 - b^2 + c^2 - d^2} \right)$?

A. 2

B. 1

C. -1

D. -2

Q45 Curved & Total Surface Area

The circumference of the base of a solid cone is 16π cm and the height of the cone is 15 cm.

The cost of painting this solid at a rate of ₹14 per square cm (Use $\pi = \frac{22}{7}$) is:

A. ₹8,921

B. ₹8,800

C. ₹8,910

D. ₹8,822

Q46 Find SI

Riya deposited ₹5,000 in a bank at a rate of 6% per annum. What will be the simple interest earned after 3 years?

A. ₹600

B. ₹1000

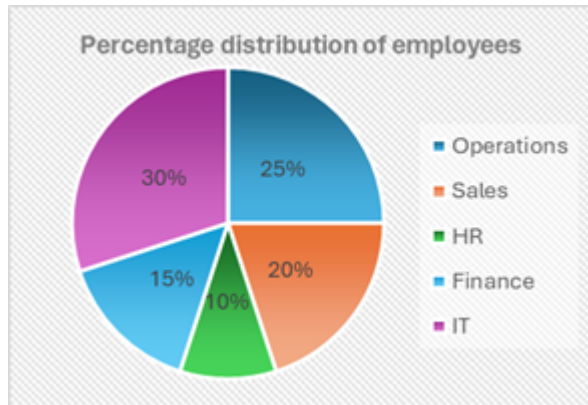
C. ₹750

D. ₹900



Q47 Percentage Based

A company has 1200 employees divided into various departments. The pie chart below shows the percentage distribution of employees across different departments.



If 15% of the employees in the Sales Department are transferred to the IT Department, how many employees will be left in Sales, and what will be the new percentage of IT employees in the company, respectively?

- A. 216, and 33%
- B. 216, and 32%
- C. 204, and 33%
- D. 204, and 32%

**Q48** Recurring Decimals

The number $1.\overline{074}$, when written in the form $\frac{p}{q}$, is equal to:

- A. $\frac{274}{999}$
- B. $\frac{174}{999}$
- C. $\frac{37}{27}$
- D. $\frac{29}{27}$

**Q49** Trapezium

A quadrilateral plot is in the shape of a trapezium. The lengths of the two parallel sides are $26\sqrt{3}$ m and $10\sqrt{3}$ m. The distance between them is 20 m. The plot is to be sold at ₹300 per square meter. What is the selling price of the plot?

- A. ₹2,54,960
- B. ₹2,56,788
- C. ₹2,59,800
- D. ₹2,57,575



Q50 $\sin^2 + \cos^2 = 1$

If $\sin\theta + \cos\theta = \sqrt{2}$, find $\sin\theta\cos\theta$.

A. 1

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

C. $\frac{1}{\sqrt{2}}$

D. 0



General Intelligence & Reasoning

30 Questions • Answer Key

Q51 Facing Center

W, I, N, T, E, R and S are sitting around a circular table facing the centre of the table.

R sits fourth to the right of N. Only two people sit between S and W when counted from the left of S. I sits third to the left of E. T is an immediate neighbor of E and W. How many people between R and T when counted from the left of T?

A. One

B. Two

C. Three

D. Four



Q52 Floor/Building Arrangement

Six boxes, D, E, F, G, X and Y, are kept one over the other, but not necessarily in the same order.

Only three boxes are kept above X. Only one box is kept between X and G. Only two boxes are kept between Y and G. D is kept immediately below G. X is kept at one of the places above E.

How many boxes are kept between F and X?

A. Three

B. One

C. Two



D. Four

Q53 Floor/Building Arrangement

Seven boxes B, F, G, H, R, T and Y are kept one over the other but not necessarily in the same order. Only three boxes are kept below Y. Only two boxes are kept between Y and G. Only B is kept above H. F is kept at some place below T and at some place above R. How many boxes are kept below F?

A. 3

B. 4

C. 2



D. 1

Q54 Group Pattern

What should come in place of ? in the given series based on the English alphabetical order?
EJW DHV CFU BDT ?

A. ABR

B. ACS

C. ACR

D. ABS



Q55 Letter Analogy

Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

QPT-UTX

FEI-JIM

A. WVZ-ZZC

B. SRV-WVZ



C. WUX-ZYC

D. WUX-AZD

Q56 Letter Analogy

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: SVX :: GJL : %

A. # = ILD , % = QTH

B. # = ILN , % = QTV



C. # = ILN , % = QLP

D. # = IRN , % = QTL



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Q57 Letter Analogy

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: SVP :: RUO : %

A. # = PSM, % = UXP

B. # = PSM, % = UXR



C. # = PNB, % = POR

D. # = PJH, % = TRR

Q58 Letter Series

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

(Left) W P A P I W I U T X S Z M T Q F W B Z (Right)

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

A. Four

B. Two

C. One



D. Three

Q59 Letter to Number Mapping

In a certain code language, 'PARK' is coded as '6795' and 'RACK' is coded as '9562'. How is 'C' coded in that language?

A. 6

B. 5

C. 2



D. 9

Q60 Letters in a Given Word

This question is based on the following words.

(Left) TSO MUD FAN KID (Right)

In each of the words, each vowel 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. In how many letter-clusters thus formed, will no vowel appear?

A. Four

B. Two

C. One

D. Three

**Q61 Letters in a Given Word**

This question is based on the given words.

RUN FAR TON OLD

In each of the words, each vowel 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. In how many letter-clusters thus formed, will no vowel appear?

A. Three



B. One

C. None

D. Two

Q62 Letters in a Given Word

Each vowel in the word CLIMATE 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 be third from the right in the new group of letters thus formed?

A. S

B. L

C. B



D. F

Q63 Letters in a Given Word

Each vowel in the word BOUNCED 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 be fifth from the left in the new group of letters thus formed?

A. A

B. D

C. B



D. C

Q64 Mathematical Operations

If 3 is added to each odd digit and 1 is subtracted from each even digit in the number 5216438, how many digits will appear more than once in the new number thus formed?

A. Two

B. None



C. One

D. Three



Q65 Missing Number

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

391 406 436 481 541 ?

A. 659

B. 622

C. 639

D. 616

**Q66 Operation Based**

145 is related to 174 following a certain logic. Following the same logic, 158 is related to 187. To which of the following is 169 related, following the same logic?

(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 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.)

A. 205

B. 198



C. 176

D. 189

Q67 Operation Based

Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number result(s) in the second number. Similarly, certain mathematical operation(s) on the second number result(s) in the third number and so on. Which of the given options follows the same set of operations as in the given 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.)

16 – 22 – 48 – 38; 9 – 15 – 34 – 24

A. 6 – 12 – 20 – 10

B. 18 – 24 – 52 – 62

C. 14 – 20 – 44 – 34



D. 8 – 14 – 24 – 14

Q68 Operator Swap

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

$41 - 4 \div 36 + 39 \times 3 = ?$

A. 151

B. 187



C. 142

D. 136

Q69 Operator Swap

What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and ' $\times$ ' and ' $\div$ ' are interchanged?

$30 + 12 \times 2 - 8 \div 4 = ?$

A. 103

B. 100

C. 102

D. 56

**Q70 Position Pattern**

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. XU – YV

B. WT – XU

C. XV – YZ



D. VS – WT

Q71 Position Pattern

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the 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. ZDA

B. MQN

C. KPL



D. LPM



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Q72 Position from Left/Right

All 73 people standing in a row are facing North. Denise is 38th from the right end while Lorenz is 44th from the left end. How many people are there between Denise and Lorenz?

A. 5

B. 4

C. 6

D. 7

**Q73 Single Row (One-way/Both-way)**

Six people, C, D, E, O, P and Q, are sitting in a row, facing north.

Only two people sit between O and P. Only Q sits to the right of C. P sits immediately to the left of C. D sits at some place to the right of E.

How many people sit between Q and E?

A. One

B. Three



C. Two

D. None

Q74 Symbol Based

In a certain code language,

$A \wedge B$ means 'A is the wife of B',

$A ! B$ means 'A is the mother of B',

$A \pounds B$ means 'A is the father of B' and

$A \in B$ means 'A is the daughter of B'.

Based on the above, how is P related to U if ' $P \wedge Q \pounds S ! T \in U$ '?

A. Wife's mother



B. Sister

C. Mother

D. Mother's sister

Q75 Symbol Based

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' and

$A \div B$ means 'A is the father of B'.

How is S related to N if ' $S + E - W \div T \times N$ '?

A. Wife's father's sister



B. Wife's mother

C. Wife's father's mother

D. Wife's sister

Q76 Symbol Included Pattern

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

(Left) ? 4 ^ / 6 < 2 7 % \$ 4 \$ 6 9 # 3 9 @ 4 < > (Right)

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

A. 3

B. 4

C. 2



D. 1

Q77 Symbol Included Pattern

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

(Left) 2 # 1 ^ 5 \$ @ 8 + & 5 \$ 2 ! 9 + ? ^ 4 @ 5 8 (Right)

If all the symbols are dropped from the series, which of the following will be seventh from the right?

A. 5

B. 9

C. 1

D. 8

**Q78 Two Statement Sufficiency**

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements is sufficient to answer the question. Read both the statements and select the appropriate answer.

Av, Bg, Cz, Dy and Em are sitting around a circular table, facing the centre. Who sits to the immediate right of Cz?

(I) Dy sits second to the right of Em. Bg sits to the immediate left of Dy.

(II) Em sits to the immediate left of Bg. Dy is the immediate neighbour of Av and Bg.

A. Data in statements I and II together are NOT sufficient to answer the question

B. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question

C. Data in statement I alone is sufficient to answer the question while data in statement II is not

D. Data in statement II alone is sufficient to answer the question while data in statement I is not



Q79 Two Statement Syllogism

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

Statements:

Some wheels are chairs.

No chair is a table.

Conclusion (I): Some wheels are tables.

Conclusion (II): Some tables are wheels.

- A. Both conclusion (I) and conclusion (II) definitely follow
- B. Only conclusion (I) definitely follows
- C. Both conclusion (I) and conclusion (II) definitely do not follow ✓
- D. Only conclusion (II) definitely follows

Q80 Word to Code Mapping

In a certain code language, 'good morning all' is coded as 'xy pq lm' and 'all the best' is coded as 'lm ct uv'. How is 'all' coded in the given language? (All the codes are two-letter codes only.)

- A. xy
- B. lm ✓
- C. uv
- D. pq

General Awareness

20 Questions • Answer Key

Q81 Constitutional Posts

Who among the following was sworn in as the Chief Minister of Bihar in April 2026?

- A. Samrat Choudhary ✓
- B. Nitish Kumar
- C. Tej Pratap Yadav
- D. Tejashwi Yadav

Q82 Defense & Technology

Which AI-powered platforms were launched by Indian Army in May 2026 to improve battlefield decision-making, logistics, and operational efficiency?

- A. Bhima and D-FORCE
- B. Krishna and B-FORCE
- C. Agniputra and R-FORCE
- D. Kautilya and Q-FORCE ✓

Q83 Environment Current Affairs

Which Indian city was identified as the most polluted city in the March 2026 report released by the Centre for Research on Energy and Clean Air (CREA)?

- A. Kanpur
- B. Gurgaon ✓
- C. Jaipur
- D. Lucknow

Q84 Gallantry Awards (PVC, MVC, etc.)

On the eve of the 77th Republic Day-2026, a significant gallantry award was approved for Group Captain Shubhanshu Shukla of the Air Force. Which award was conferred upon him for his service?

- A. Shaurya Chakra
- B. Param Vir Chakra
- C. Kirti Chakra
- D. Ashoka Chakra ✓

Q85 Government Policies & Schemes

Which government initiative was celebrated during the 'Run for Sun' Marathon held on International Sun Day in May 2026, highlighting a major achievement in rooftop solar installations?

- A. PM Surya Ghar: Muft Bijli Yojana ✓
- B. Atal Jyoti Yojana
- C. National Solar Mission
- D. Green India Mission

Q86 Individual Records

On April 26, 2026, which Kenyan athlete broke the mythical two-hour barrier to set a new men's marathon world record (1:59:30) at the London Marathon?

- A. Yomif Kejelcha
- B. Jacob Kiplimo
- C. Sebastian Sawe ✓
- D. Eliud Kipchoge



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Q87 International Awards

Which actor won the Academy Award for Best Actor at the 98th Academy Awards for portraying the twin characters Elijah and Elias Moore?

- A. Paul Thomas Anderson
- B. Ryan Coogler
- C. Sean Penn
- D. Michael B. Jordan ✓

Q88 Key Announcements

In the Union Budget 2026 presented in February, a major focus area was on infrastructure development. Which of the following sectors was specifically allocated increased funds to improve national connectivity and logistics?

- A. Health sector
- B. Defence sector
- C. Railways sector ✓
- D. Agriculture sector

Q89 Key Announcements

What is the name of the mission announced during Union Budget 2026–27 with an objective of marking a major shift to a long-term, outcome-driven framework to transform India's sports ecosystem?

- A. Khelo Dilse Mission
- B. Khelo India Mission ✓
- C. Khelo Gaon Mission
- D. Khelo Mahabharath Mission

Q90 Military Exercises

Which edition of the bilateral maritime exercise between India and Japan took place during the Sea phase from October 16 to 18, 2025?

- A. DHARMA GUARDIAN-25
- B. SHINYUU MAITRI-25
- C. JAIMEX-25 ✓
- D. JIMEX-24

Q91 Missile Tests & Systems

Which of the following indigenous anti-tank missile system did DRDO successfully test in January 2026?

- A. NAMICA
- B. Nag Mk2
- C. SANT
- D. MPATGM ✓

Q92 NITI Aayog

During the 'Viksit Bharat 2047' consultations in March 2026, a national body was tasked with coordinating inter-ministerial efforts on sustainable development goals. Which body took the lead in facilitating these collaborative sessions among ministries?

- A. Department of Economic Affairs
- B. Ministry of Environment, Forest and Climate Change
- C. NITI Aayog ✓
- D. Central Vigilance Commission

Q93 National Current Affairs

In January 2026, Asia's largest civil aviation event, Wings India 2026, was held in which city?

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

Q94 National Current Affairs

How many seats did All India Trinamool Congress (AITC) win in the general elections to the assembly constituencies of West Bengal in May 2026?

- A. 70
- B. 80 ✓
- C. 60
- D. 90

Q95 Policy Changes & Amendments

What policy roadmap did NITI Aayog release in May 2026 regarding the school education system?

- A. A roadmap for the privatization of all government schools
- B. A mandate to replace English with regional languages as the sole medium of instruction
- C. A policy to abolish the 10th and 12th board examinations
- D. School Education System in India: Temporal Analysis and Policy Roadmap for Quality Enhancement ✓



Q96 Policy Changes & Amendments

According to the NITI Aayog policy report released in May 2026, what does the recommended "Cylindrical" Schooling model primarily aim to fix within India's education infrastructure?

- A. The rising costs of higher education textbooks
- B. The shortage of administrative staff in regional ministries
- C. The digital divide between urban and rural testing hubs
- D. The "leaky pipeline" of student dropouts across transitions ✓

Q97 Recent Tournaments

Which of the following prominent Indian grandmasters led the club "SuperChess" to a historic team gold victory at the 40th European Chess Club Cup 2025?

- A. D Gukesh ✓
- B. R Praggnanandhaa
- C. Vidit Gujrathi
- D. Arjun Erigaisi

Q98 Recent Tournaments

In which country was the Stockholm Chess Talents Tournament 2026 held?

- A. Germany
- B. Russia
- C. Sweden ✓
- D. Norway

Q99 Science & Technology Current Affairs

Which company developed the new semiconductor facility in Salarpur, Khushkhera, which was virtually inaugurated by Union Minister Ashwini Vaishnaw on May 15, 2026?

- A. Sahasra Semiconductors Pvt. Ltd. ✓
- B. Infosys
- C. Tata Consultancy Services
- D. HCL Technologies

Q100 Treaties & Agreements

The BBNJ High Seas Treaty, which entered into force in January 2026, is primarily intended to achieve which of the following objectives?

- A. Conservation and sustainable use of marine biodiversity in areas beyond national jurisdiction ✓
- B. Regulation of international air traffic over maritime regions beyond territorial waters
- C. Allocation of exclusive fishing rights to coastal states in the high seas
- D. Expansion of deep-sea mineral extraction without environmental restrictions



General Science

25 Questions • Answer Key

Q1 Atomic Structure & Models

Which of the following statements best explains why elements with the same atomic number exhibit identical chemical properties, even if their mass numbers are different?

- A. Because they are found in the same physical state
- B. Because they contain the same number of neutrons
- C. Because they have the same number of protons and electrons ☒
- D. Because they have similar atomic mass

Q2 Atomic Structure & Models

According to the Bohr-Bury rules, what is the maximum number of electrons that can be accommodated in the L shell of an atom?

- A. Two electrons only
- B. Four electrons only
- C. Eight electrons only ☒
- D. Sixteen electrons only

Q3 Circulatory System (Heart, Blood)

Which statement CORRECTLY describes systolic and diastolic pressure in the human circulatory system?

- A. Systole is contraction, diastole is relaxation ☒
- B. Systole is relaxation, diastole is contraction
- C. Systole and diastole are both relaxations
- D. Systole and diastole are both contractions

Q4 Classification of Organisms

Researchers studying genetic similarity in hornbill species are most likely to use which characteristic for classification?

- A. Diet composition
- B. DNA sequence comparison ☒
- C. Nesting site location
- D. Beak shape and size

Q5 Current Electricity (Ohm's Law, Circuits)

A manufacturer wants to design heating elements that generate more heat when a current passes through. Which material property should be maximized for this purpose?

- A. A material with zero resistivity should be used for maximum heat generation.
- B. Resistivity should be minimized to increase heat generation for a given current.
- C. Conductivity should be maximized to increase heat generation for a given current.
- D. Resistivity should be maximized to increase heat generation for a given current. ☒

Q6 Current Electricity (Ohm's Law, Circuits)

A circuit consists of three resistors of 4 ohms, 6 ohms, and 12 ohms connected in parallel. Which statement is correct about the total resistance?

- A. The total resistance is equal to one of the individual resistances
- B. The total resistance equals the sum of all resistances
- C. The total resistance is less than the smallest individual resistance ☒
- D. The total resistance is equal to the largest individual resistance

Q7 Ecosystem & Food Chain

Why are food chains generally made of only 3-4 trophic levels?

- A. Energy availability to next trophic level is very low ☒
- B. Top carnivores cannot be eaten by any organism
- C. Producer population is low
- D. Decomposers terminate the food chain

Q8 Global Warming & Climate Change

Venus is hotter than Mercury, even though Mercury is closer to the Sun. Based on Earth's atmospheric science, which is the most plausible explanation?

- A. Mercury lacks any significant atmospheric layers
- B. Venus's atmosphere creates a strong greenhouse effect ☒
- C. Mercury's proximity to the Sun creates rapid heat loss
- D. Venus receives more sunlight due to its size



Q9 Human Body & Physiology

Which of the following is **NOT** a function of epithelial tissues?

- A. Protection
- B. Secretion
- C. Formation of red blood cells ✓
- D. Absorption

Q10 Human Eye & Defects

What is the ability of the eye lens to adjust its focal length called?

- A. Myopia
- B. Refraction
- C. Power of Accommodation ✓
- D. Persistence of vision

Q11 Hydrocarbons (Methane, Ethane, etc.)

Read the following two statements carefully and choose the correct option:

Statement I: When methane reacts with chlorine in the presence of sunlight, hydrogen atoms in methane are gradually replaced by chlorine atoms.
Statement II: The reaction between methane and chlorine is called an addition reaction.

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

Q12 Mechanics

Which statement best describes the velocity of an object undergoing uniform circular motion?

- A. The velocity remains unchanged in both magnitude and direction throughout motion.
- B. The object's speed increases and decreases as it moves around the circle.
- C. The magnitude of velocity remains constant, but its direction continuously changes around the circle. ✓
- D. The object moves with a changing velocity along a straight path.

Q13 Mechanics

Which statement best describes a straight line sloping upwards on a distance-time graph for an object moving with uniform speed?

- A. The object is stationary at all times
- B. The object covers equal distances in equal intervals of time ✓
- C. The object moves with varying speed throughout
- D. The object returns to its starting point repeatedly

Q14 Mixtures, Solutions, Colloids

Which of the following is a characteristic feature of a suspension?

- A. The particles are too small to settle down on standing.
- B. Suspension shows Tyndall effect but is transparent.
- C. Particles can be seen with the naked eye and settle on standing. ✓
- D. It is a homogeneous mixture with solute dissolved uniformly.

Q15 Nervous System & Brain

After the dendrite receives information, what is the next structure the impulse moves to?

- A. Axon end
- B. Cell body ✓
- C. Dendrite
- D. Axon

Q16 Properties & Tests

Why do basic solutions conduct electricity when dissolved in water?

- A. Bases release free electrons
- B. Heat energy produces electric current
- C. Hydroxide ions act as charge carriers ✓
- D. Bases dissolve completely without ions

Q17 Reflection & Refraction

Which of the following best explains why a pencil partially immersed in water appears bent at the surface?

- A. Light changes direction as it moves from air to water ✓
- B. Light reflects off the pencil and back to your eyes
- C. Water makes the pencil look thicker
- D. The pencil absorbs light and emits it at a different angle



Q18 Reproductive System

A pond contains a large cluster of jelly-like eggs laid by a female frog. What is the most likely mode of fertilisation in frogs?

- A. In-vitro fertilisation by scientists
- B. Asexual budding of the jelly-like eggs
- C. Internal fertilisation inside pond plants
- D. External fertilisation in water

**Q19 Respiratory System**

What is the process in which organisms take in oxygen and use it to break down food for cellular activities called?

- A. Photosynthesis
- B. Respiration
- C. Transpiration
- D. Fermentation

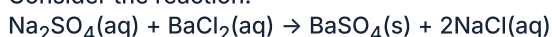
**Q20 Soaps & Detergents**

How does saponification relate to soap formation?

- A. Saponification produces sodium or potassium salts of long chain carboxylic acids, which are soaps
- B. Saponification is unrelated to soap production
- C. Saponification produces only esters used in flavoring
- D. Saponification makes ethanol for cleaning

**Q21 Types (Combination, Decomposition, etc.)**

Consider the reaction:



Which statement best justifies classifying this reaction as a double displacement reaction?

- A. Exchange of ions produces two new compounds
- B. One metal displaces another from compound
- C. Heat causes compound to break into products
- D. Reactants combine forming only one product

**Q22 Types (Combination, Decomposition, etc.)**

A student dips an iron nail in a blue solution of copper sulphate. After 30 minutes, the blue colour fades and a reddish-brown deposit forms on the nail. The reddish-brown deposit is due to _____.

- A. copper sulphate converting to Cu^+
- B. copper sulphate converting to iron oxide (rust)
- C. copper sulphate converting to metallic copper
- D. Fe converting to copper oxide

**Q23 Ultrasound & Applications**

Why are ultrasound waves used for cleaning delicate objects such as jewelry?

- A. They heat the jewelry to remove stains
- B. They cause tiny vibrations that dislodge dirt
- C. They attract dirt particles with magnetism
- D. They dissolve dirt using special chemicals

**Q24 Work, Energy & Power**

If the displacement of an object doubles while the constant force remains unchanged, the area under the force–displacement graph _____.

- A. becomes twice the original area
- B. remains unchanged
- C. becomes half of the original area
- D. becomes four times the original area

**Q25 Work, Energy & Power**

A machine develops a power of 10 W. What does this imply?

- A. It does 10 J of work every minute
- B. It applies a force of 10 N
- C. It does 10 J of work every second
- D. It stores 10 J of energy



Q26 Annual Compounding

Piyush has ₹1,681 with him. He divided this amount between his sons, Manoj and Anand, and asked them to invest their respective shares at a rate of 5% per annum, compounded annually. It was observed that Manoj and Anand received the same amount after 16 years and 17 years, respectively. How much (in ₹) did Piyush give Manoj?

A. 711

B. 861

C. 820

D. 920

Q27 Annual Compounding

A sum of ₹4,000 amounts to ₹4,410 in 2 years at compound interest, compounded annually. Find the annual rate of interest (in percentage).

A. 5%

B. 10%

C. 2.5%

D. 7.5%

Q28 Average Speed

A man travels from City A to City B at a speed of 60 km/h, then from City B to City C at 90 km/h, and finally returns directly from City C to City A at 72 km/h. If the distances between A and B and between B and C are equal, with B located between A and C, find his average speed for the entire journey.

A. 70 km/hr

B. 66 km/hr

C. 68 km/hr

D. 72 km/hr

Q29 Average Speed

One-third of a journey is covered at a speed of 62 km/hr, the next one-third of the journey is covered at a speed of 99 km/hr, and the remaining journey is covered at a speed of 51 km/hr. The average speed (in km/hr, rounded off to 1 decimal place) for the entire journey is:

A. 61.4

B. 60.8

C. 62.1

D. 65.5

Q30 Common Tangents

The distance between the centres of two circles having radii 11 cm and 5 cm, is 10 cm. The length of the direct common tangent of the two circles is:

A. 16 cm

B. 12 cm

C. 8 cm

D. 4 cm

Q31 Cost with Overhead Expenses

Arvind bought an article for ₹x. He sold it to Biru at a loss of 5%. Biru spent ₹118 on its transportation and sold it to Minu at a profit of 40%. If Minu bought it for ₹1,841, then what is the value of x?

A. ₹1,260

B. ₹1,251

C. ₹1,261

D. ₹1,225

Q32 Dividing Quantity in Ratio

A recipe requires flour, sugar, and butter in the ratio 3:2:1. If the total quantity of ingredients used is 18 cups, how many cups of sugar are needed?

A. 6

B. 9

C. 12

D. 3

Q33 Finding Ratio

A merchant has 2650 kg of rice, one part of which he sells at 36% profit and the rest at 16% profit. He gains 28% on the whole. Find the quantity sold at 16%.

A. 1020 kg

B. 1060 kg

C. 1040 kg

D. 1080 kg



Q34 HCF/LCM Word Problems

The HCF of two numbers is 11 and their LCM is 1870. If one number is 22, then find the unit's digit of the other number.

- A. 4
- B. 7
- C. 3
- D. 5

**Q35 Leaving Midway**

A person P can complete a project in 24 days, and the person Q can complete it in 36 days. They work together for 4 days, after which Q leaves. In how many days will P complete the remaining work? (Give your answer rounded off to two decimal places.)

- A. 17.33 days
- B. 17.67 days
- C. 17.87 days
- D. 17.53 days

**Q36 Order of Operations**

Evaluate: $16 - 5 \times 4 + 4$

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

**Q37 Percentage Increase/Decrease**

The income of Raman is ₹25,000. He saves 25.5% of his income. If his income increases by 20% and expenditure increases by 40%, then his savings will:

- A. decrease by ₹2,450
- B. decrease by ₹2,452
- C. increase by ₹2,446
- D. increase by ₹2,453

**Q38 Rules for 2,3,4,5,6**

If a 7-digit number 48085A7 is completely divisible by 3, what is the least value of A?

- A. 7
- B. 8
- C. 4
- D. 1

**Q39 Simple Ratio Partnership**

A and B invest ₹24,000 and ₹36,000, respectively, in a business for the same period. Find the ratio in which the profit should be divided between A and B.

- A. 3 : 2
- B. 2 : 3
- C. 5 : 4
- D. 4 : 5

**Q40 Successive Discount**

The marked price of a cooker is same at four shops I, II, III and IV.

Shop I allows two successive discounts of 32% and 67%, shop II allows successive discounts of 98% and 40%, shop III allows successive discounts of 37% and 74%, and shop IV allows successive discounts of 29%, 47%, and 92% on the marked price of the cooker.

Which shop is selling the cooker at the lowest price?

- A. II
- B. I
- C. III
- D. IV

**Q41 Two Successive Changes**

A man loses 22% of his money. After spending 25% of the remaining amount, he has ₹7,137 left. What was the amount of money he originally had?

- A. ₹12,100
- B. ₹12,300
- C. ₹12,400
- D. ₹12,200

**Q42 Ungrouped Data Median**

The consumption of printing paper reams for the first 11 months of a computer operator is given as 21, 25, 30, 15, 17, 35, 28, 19, 42, 49, and 59. Find the median.

- A. 26
- B. 28
- C. 30
- D. 32



Q43 Volume

Two cylindrical containers have a total volume of 2,200 cm³. The first cylinder has a radius of 5 cm and a height of 10 cm. If the second cylinder has the same radius, determine the height of the second cylinder. (Use $\pi = 3.14$ and round your answer to two decimal places.)

A. 20.67 cm

B. 18.03 cm



C. 19.10 cm

D. 19.85 cm

Q44 Angle of Elevation

The angle of elevation of the top of a building at a distance of 90 m from its foot on a horizontal plane is found to be 30°. Find the height of the building.

A. $\frac{30}{\sqrt{3}}$ m

B. $30\sqrt{3}$ m



C. $60\sqrt{3}$ m

D. $90\sqrt{3}$ m

Q45 Calculation Based

The following table shows the number of books read by four students in a month.

Name of the student	Ravi	Sita	Amit	Neha
Number of books	12	14	11	13

What is the average number of books read by these students?

A. 12.5



B. 12

C. 13.5

D. 13

Q46 Find Rate

A sum of ₹800 invested on simple interest becomes ₹1,200 in 8 years. Find the rate of interest per annum.

A. 6.5%

B. $\frac{25}{4}\%$



C. 6%

D. $6\frac{1}{3}\%$



Q47 Mean of Grouped Data

What is the value of $(8x + 9y)$, if mean of the following distribution is 45?

Class	0-20	20-40	40-60	60-80	80-100	Total
Frequency	7	12	x	5	y	76

A. 423

B. 417



C. 424

D. 402

Q48 Pythagorean Identities

Find the value of $\left\{ 2\tan^2 A + \frac{4}{(1 + \cot^2 A)} + 2\sec^2 A + \frac{4}{(1 + \tan^2 A)} \right\}$.

A. $\sec^2 A - 2$ B. $4\sec^2 A - 2$ C. $\sec^2 A + 2$ D. $4\sec^2 A + 2$ **Q49** Two Variables (Simultaneous)

Which of the following equations represent the statement, "one fifth of m is twice of one third of n"?

A. $\frac{2m}{3} = 5n$ B. $\frac{m}{3} = \frac{2n}{5}$ C. $\frac{2m}{3} = \frac{n}{5}$ D. $\frac{m}{5} = \frac{2n}{3}$ **Q50** Volume

The height of a cone is 28 cm and the radius of its base is 14 cm. The volume of cone is (Take $\pi =$

A. $\frac{18248}{3} \text{ cm}^3$ B. 17248 cm^3 C. 18248 cm^3 D. $\frac{17248}{3} \text{ cm}^3$ 

Q51 Day of Week Assignment

Each of Q, R, W, T, E, U and Y has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week. T has an exam on Wednesday. Exactly three people have an exam between T and U. Q has an exam immediately after E and W has an exam immediately before E. Only three people have an exam between R and E. Who has an exam immediately after Y?

A. T



B. U

C. Q

D. R

Q52 Facing Center

Six friends, C, D, E, O, P and Q, are sitting around a circular table, facing the center of the table.

Only one person sits between D and O when counted from the left of O. D sits third to the left of P. Q sits to the immediate right of P. E is not an immediate neighbor of O. Who sits third to the right of C?

A. Q



B. O

C. E

D. P

Q53 Floor/Building Arrangement

Seven boxes B, F, G, H, R, T and Y are kept one over the other but not necessarily in the same order. Only four boxes are kept between H and G. Only R is kept above H. Only two boxes are kept between T and F. Y is kept immediately above B. F is not kept immediately above Y. How many boxes are kept below T?

A. 3

B. 1

C. 2

D. 4

**Q54 Group Pattern**

What should come in place of ? in the given series based on the English alphabetical order?
CPT EQV GRX ISZ ?

A. JUB

B. KUB

C. JTA

D. KTB

**Q55 Letter Analogy**

Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

JLI-KMJ

MOL-NPM

A. YAX-ZBY



B. YAX-YBX

C. YZV-YAX

D. YZV-ZBY

Q56 Letter Analogy

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

JSR : HVU

FOL : DRO

A. KUJ : IWM

B. EVH : CYK



C. ORO : MUQ

D. LJM : JMO

Q57 Letter Analogy

JRYH is related to HPWF in a certain way based on the English alphabetical order. In the same way, VGLW is related to TEJU. To which of the given options is ZRPE related, following the same logic?

A. XPNC



B. CXNP

C. PCXN

D. NCXP

Q58 Letter to Number Mapping

In a certain code language, 'OPEN' is coded as '5718' and 'ONCE' is coded as '9187'. What is the code for 'C' in the given code language?

A. 8

B. 7

C. 1

D. 9



Q59 Letters in a Given Word

This question is based on the following words.

(Left) GIR PVT DEC NOW (Right)

In each of the words, each vowel 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. In how many letter-clusters thus formed, will no vowel appear?

A. Four

B. Two

C. Three

D. One

Q60 Mathematical Operations

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

(Left) 342 339 531 568 319 (Right)

(Example: $697 - \text{First digit} = 6$, $\text{second digit} = 9$ and $\text{third digit} = 7$)

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

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

A. 7

B. 8

C. 9

D. 10

Q61 Mathematical Operations

If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 4168327, what will be the difference of the digits which are second from the left and second from the right in the new number thus formed?

A. 2

B. 0

C. 3

D. 1

Q62 Mathematical Operations

If 2 is added to each even digit and 1 is subtracted from each odd digit in the number 72659314, what will be the sum of the second digit from the left and the third digit from the right in the new number thus formed?

A. 8

B. 12

C. 4

D. 6

Q63 Missing Number

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

192 203 225 258 302 ?

A. 368

B. 357

C. 378

D. 376

Q64 Multiple Turns

Ritwik starts from Point A and drives 23 km towards the east. He then takes a right turn, drives 14 km, turns right and drives 26 km. He then takes a right turn and drives 19 km. He takes a final right turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 5 km to the north

B. 7 km to the south

C. 5 km to the south

D. 7 km to the north

Q65 Number Series

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

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

(Right)

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

A. One

B. None

C. Two

D. Three



Q66 Number Series

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

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

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

A. 6



B. 5

C. 8

D. 7

Q67 Operation Based

Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number result(s) in the second number. Similarly, certain mathematical operation(s) on the second number result(s) in the third number and so on. Which of the given options follows the same set of operations as in the given 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 – 2 – 15 – 31; 8 – 4 – 17 – 35

A. 13 – 9 – 64 – 129

B. 9 – 5 – 18 – 37



C. 10 – 6 – 25 – 51

D. 7 – 3 – 16 – 31

Q68 Operation Based

210 is related to 315 following a certain logic. Following the same logic, 180 is related to 270. To which of the given options is 240 related, following the same logic?

(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 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.)

A. 300

B. 360



C. 420

D. 390

Q69 Position Pattern

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. XB-AG

B. CG-FL

C. FJ-LO



D. EI-HN

Q70 Position Pattern

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. LJ - GF



B. JH - EC

C. RP - MK

D. NL - IG

Q71 Position from Left/Right

All 44 people standing in a row are facing North. Henry is 16th from the right end while Alexa is 9th from the left end. How many people are there between Henry and Alexa?

A. 18

B. 19



C. 17

D. 16

Q72 Rearrangement of Letters

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

A. 8

B. 6

C. 4

D. 7



Q73 Rearrangement of Letters

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

A. 0

B. 1



C. 3

D. 2

Q74 Single Row (One-way/Both-way)

Seven people, D, H, J, L, S, T and Y, are sitting in a row, facing the north.

Only five people sit between S and Y. D sits to the immediate left of Y. Only one person sits between D and T. H sits at some place to the left of J but at some place to the right of L.

How many people sit to the left of H?

A. Three

B. One

C. Two



D. Four

Q75 Symbol Based

In a certain code language,
 $A + B$ means 'A is the mother of B',
 $A - B$ means 'A is the brother of B',
 $A \times B$ means 'A is the wife of B',
 $A \% B$ means 'A is the father of B' and
 $A \# B$ means 'A is the daughter of B'.

How is Et related to Cp if ' $Cp \times Sj - Qn \# Et + Gy$ '?

A. Husband's sister

B. Son's wife

C. Brother's wife

D. Husband's mother

**Q76 Symbol Based**

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' and
 $'A \div B'$ means 'A is the father of B'.

How is S related to N if ' $S + E \div W - T \times N$ '?

A. Wife's father's mother

B. Father's sister

C. Wife's father's sister



D. Wife's sister

Q77 Symbol Included Pattern

Refer to the given letter, number and symbol series and answer the question that follows. All numbers are single-digit numbers.

(Left) E L £ F 8 8 \$ & S 9 L 7 * I © Y 1 M 3 \$ S V (Right)

If all the numbers are dropped from the series, which of the following will be fifth from the left?

A. F

B. \$



C. £

D. &

Q78 Symbol Substitution

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

$3 B 2 D 28 A 7 C 4 = ?$

A. 12

B. 8

C. 6



D. 4

Q79 Two Statement Sufficiency

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Q. Five students – Kriti, Mehul, Nisha, Ojas, and Pranav – scored different marks in a test.

Who scored the lowest marks?

(I) Mehul scored higher than exactly three students.

(II) Kriti scored higher than Nisha but lower than Ojas. Pranav did not score the lowest.

A. Data in Statement I alone is sufficient to answer the question while data in Statement II is not

B. Data in Statement II alone is sufficient to answer the question while data in Statement I is not

C. Both statements I and II together are NOT sufficient to answer the question

D. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question



Q80 Two Statement Sufficiency

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Among 5 Sticks, U, R, N, S and T each having a different height, which Stick is the shortest?

(I) T is taller than N

(II) S is taller than T. U is only shorter than one Stick

- A. Data in Statement I alone is sufficient to answer the question while data in statement II is not
- B. Both statements I and II together (and not statement 1 alone or statement II alone) are sufficient to answer the question.
- C. Both statements I and II together are NOT sufficient to answer the question ☒
- D. Data in Statement II alone is sufficient to answer the question while data in statement I is not

General Awareness

20 Questions • Answer Key

Q81 Appointments & Resignations

Which of the following individuals became a Full-time Member of NITI Aayog during 2026?

- A. Rajiv Gauba
- B. Suman K. Bery
- C. Gobardhan Das
- D. Dr. Joram Aniya ☒

Q82 COP Outcomes

During the COP30 negotiations in Belém, India strongly advocated for developing countries by highlighting the urgent need for enhanced ____.

- A. Industrial production cuts
- B. Cross-border trade curbs
- C. Climate finance support ☒
- D. Commercial bank deregulation

Q83 Civilian Awards

According to the Padma Awards 2026, which of the following awardees is linked with Literature and Education from West Bengal?

- A. Asok Kumar Halder ☒
- B. Prakash Gupta
- C. Meena Raju
- D. Dr. Anjali Menon

Q84 Constitutional Posts

Who was sworn in as the fifteenth Vice President of India and ex officio Chairman of the Rajya Sabha in 2025?

- A. C.P. Radhakrishnan ☒
- B. Ramesh Bais
- C. Acharya Devvrat
- D. Jagdeep Dhankhar

Q85 Cricket (IPL, WC, etc.)

Which of the following players made the highest individual score in the 2026 Men's T20 World Cup final?

- A. Ishan Kishan
- B. Abhishek Sharma
- C. Sanju Samson ☒
- D. Tilak Varma

Q86 Environment Current Affairs

In 2026, the National Disaster Management Authority (NDMA) reviewed and expanded an early warning system for Glacial Lake Outburst Floods (GLOFs) after a pilot project in which Himalayan state?

- A. Sikkim
- B. Arunachal Pradesh
- C. Uttarakhand
- D. Himachal Pradesh ☒



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Q87 Famous Works & Authors

Who among the following is the author of the book titled 'The Director'?

- A. George Orwell
- B. Orhan Pamuk
- C. Daniel Kehlmann
- D. Haruki Murakami

**Q88 G7, G20, BRICS, SCO**

On April 28, 2026, the Meeting of Defence Ministers of the Shanghai Cooperation Organisation (SCO) Member States was held under the chairmanship of which country?

- A. Republic of India
- B. Kyrgyz Republic
- C. Russian Federation
- D. Republic of Uzbekistan

**Q89 Government Policies & Schemes**

Which of these states launched India's first deep tech start-up policy in January 2026?

- A. Tamil Nadu
- B. Bihar
- C. Maharashtra
- D. Uttar Pradesh

**Q90 Key Announcements**

Which major mental healthcare institution was announced in the Union Budget 2026–27 to address the absence of a national-level mental health institute in North India?

- A. National Psychiatry Mission
- B. AIIMS Mental Health Centre
- C. Rashtriya Manasik Swasthya Kendra
- D. NIMHANS-2

**Q91 Key Announcements**

Under the Khelo India Mission announced in the Union Budget 2026–27, which of the following was listed as a key feature?

- A. Exclusive private-league scholarships for senior athletes
- B. Compulsory foreign coaching for all district-level athletes
- C. Pension-linked incentives for retired national coaches
- D. Integrated talent pathway through multi-level training centres

**Q92 Missile Tests & Systems**

In May 2026, India successfully test-launched the short-range ballistic missile "Agni-1" from which facility under the aegis of the Strategic Forces Command?

- A. Vikram Sarabhai Space Centre, Thiruvananthapuram
- B. Dr. APJ Abdul Kalam Island, Odisha
- C. Integrated Test Range (ITR), Chandipur, Odisha
- D. Pokhran Test Range, Rajasthan

**Q93 Missile Tests & Systems**

On January 9, 2026, Defence Research and Development Laboratory successfully conducted a long-duration ground test of an Actively Cooled Full-Scale Scramjet Combustor. This technology is primarily associated with the development of which type of propulsion systems?

- A. Hypersonic air-breathing propulsion system
- B. Nuclear-powered propulsion system
- C. Cryogenic rocket propulsion system
- D. Turbofan propulsion system

**Q94 NITI Aayog Vision & Strategy**

Which institutional body's Frontier Tech Hub unveiled the groundbreaking agricultural roadmap titled "Reimagining Agriculture: A Roadmap for Frontier Technology Led Transformation" in 2025?

- A. Indian Council of Agricultural Research
- B. Ministry of Electronics and Information Technology
- C. NITI Aayog
- D. National Bank for Agriculture and Rural Development

**Q95 Policy Changes & Amendments**

The Jan Vishwas (Amendment of Provisions) Bill, 2026 is linked with which major governance reform agenda?

- A. Trust-based ease of business governance
- B. Privatization of public sector enterprises
- C. Expansion of direct tax collection
- D. Space mission reforms

**Q96 Rankings & Reports**

According to the 2025 Kantar BrandZ report, which financial services giant has reclaimed its crown as India's most valued brand?

- A. State Bank of India
- B. Axis Bank
- C. HDFC Bank
- D. ICICI Bank



Q97 Recent Tournaments

Which city was selected to host the 2026 Pickleball World Cup, marking the tournament's first edition to be held in Asia?

A. Da Nang



B. Tokyo

C. Singapore

D. Beijing

Q98 Recent Tournaments

Which team won the Indian Super League football championship title, 2026?

A. East Bengal



B. Mohun Bagan

C. Mumbai City FC

D. Odisha FC

Q99 Science & Technology Current Affairs

As of February 2026, how many projects were approved for research and development in 6G technology?

A. 92 projects

B. 126 projects

C. 78 projects

D. 104 projects

**Q100 Vaccines & Antibiotics**

The Government of India emphasized HPV vaccination during 2025–26 primarily to reduce the burden of which disease among women?

A. Tuberculosis among rural women

B. Malaria among pregnant mothers

C. Cervical cancer among women



D. Diabetes among urban patients



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General Science

25 Questions • Answer Key

Q1 Atomic Structure & Models

Which statement about mass number is correct?

- A. It is always less than atomic number
- B. It is unrelated to atomic number
- C. It is always equal to atomic number
- D. It is always greater than atomic number ✓

Q2 Atoms & Molecules

When 16 g of oxygen is combined with 2 g of hydrogen, 18 g water is formed. This observation is in accordance with:

- A. law of multiple proportions
- B. Avagadro's Law
- C. law of conservation of mass ✓
- D. Gay-Lussac's law

Q3 Basic Organic Chemistry

Which of the following carbon compounds is most likely to burn with a non-luminous flame?

- A. Kerosene
- B. Charcoal
- C. Ethanol ✓
- D. Camphor

Q4 Biology

Which of the following correctly explains why life processes such as nutrition, respiration, transport and excretion are essential for living organisms?

- A. They are independent processes that do not affect each other.
- B. They maintain homeostasis and provide energy. ✓
- C. They are required only for growth and reproduction.
- D. They occur only in plants to sustain photosynthesis.

Q5 Classification of Organisms

After a genetic study, two bacteria previously grouped together are found to have highly divergent DNA. According to modern classification, which of the following is the most likely consequence?

- A. They are merged as one species
- B. They may be reclassified into separate domains or groups ✓
- C. They remain in the same traditional group
- D. Their similarity is confirmed by traditional traits

Q6 Current Electricity (Ohm's Law, Circuits)

A student sets up two circuits: Circuit X uses a thin, long copper wire, and Circuit Y uses a thick, short copper wire, both connected to identical batteries. Which circuit will have a higher resistance, and why?

- A. Circuit X because the resistance increases with length and decreases with cross-sectional area ✓
- B. Circuit X because the resistance decreases with length and increases with cross-sectional area
- C. Circuit Y because the resistance decreases with length and increases with cross-sectional area
- D. Circuit Y because the resistance increases with length and decreases with cross-sectional area

Q7 Ecosystem & Food Chain

In an ecosystem, what is the role played by decomposers?

- A. They synthesize food by photosynthesis
- B. They break down dead organic matter ✓
- C. They transfer energy directly to carnivores
- D. They regulate the water level in soil

Q8 Household Wiring & Safety

Electric fuses are used in household circuits primarily to _____.

- A. Reduce voltage in the circuit
- B. Interrupt the circuit if excessive current flows ✓
- C. Supply extra electricity when needed
- D. Store electrical energy for later use



Q9 Light & Optics

How does the size of atmospheric particles affect the scattering of sunlight?

- A. Smaller particles scatter shorter wavelengths more efficiently ✓
- B. Medium particles scatter only green light efficiently
- C. Irregular particles scatter only yellow light more
- D. Larger particles scatter only red light effectively

Q10 Mechanics

A car moves at a constant speed of 20 m/s for 5 seconds. What is the total distance travelled by the car during this time?

- A. 100 meters ✓
- B. 4 meters
- C. 400 meters
- D. 25 meters

Q11 Mirrors & Lenses

A student places an object 15 cm in front of a concave mirror of focal length 10 cm. If the image formed is real, what is the magnification produced by the mirror?

- A. -2 ✓
- B. -1
- C. +1
- D. +2

Q12 Mirrors & Lenses

During an experiment, a student places a candle beyond twice the focal length of a convex lens and records the image position and nature. Which of the following scenarios could result from this setup?

- A. A virtual, erect, and larger image appears on the same side as the object
- B. A real, inverted, and same-sized image forms at twice the focal length
- C. An erect, real, and larger image forms beyond twice the focal length
- D. An inverted, real, and diminished image forms between focus and twice the focal length ✓

Q13 Mixtures, Solutions, Colloids

Which of the following is a property of a colloidal solution?

- A. Particles are smaller than true solutions
- B. Particles do not settle on standing ✓
- C. Components can be separated by filtration
- D. Particles can be seen with the naked eye

Q14 Nervous System & Brain

Which is the first part of a neuron to receive information?

- A. Axon terminal
- B. Axon
- C. Cell body
- D. Dendrite ✓

Q15 Nervous System & Brain

What is the main function of the synapse between two neurons?

- A. Signal storage
- B. Energy supply
- C. Impulse transfer ✓
- D. Communication

Q16 Newton's Laws of Motion

If two bodies of equal mass are acted upon by unequal forces for the same time, then the body on which the larger force acts will have _____.

- A. less change in momentum
- B. equal change in momentum
- C. more change in momentum ✓
- D. no change in momentum

Q17 Physical & Chemical Properties

A student is comparing samples of sulphur, carbon (Diamond), and bromine. Which property is least likely to be observed in all three?

- A. Brittleness
- B. High electrical conductivity ✓
- C. Dull appearance
- D. Poor heat conduction



Q18 Plant Kingdom (Divisions)

A green, thread-like plant in freshwater pond lacks roots, stems, and leaves but photosynthesizes. Based on this information, which group does it belong to?

A. Thallophyta



B. Bryophyta

C. Pteridophyta

D. Gymnosperm

Q19 Properties & Tests

Which of the following correctly explains why an acid shows acidic behaviour only in aqueous solution?

A. Hydrogen ions (H^+) are produced only when the acid dissolves in water.



B. Water prevents the ionisation of acids.

C. An acid loses H^+ ions even in the absence of water.

D. The acid molecules remain completely ionised in the dry state.

Q20 Reactivity Series

Read the following statements and choose the correct option.

Statement I: All metals in the reactivity series can displace hydrogen from dilute acids to form hydrogen gas.

Statement II: Metals below hydrogen in the reactivity series do not produce hydrogen gas with dilute acids.

A. Statement I is true, Statement II is true, but Statement II is not the correct explanation of Statement I.

B. Statement I is false, but Statement II is true.



C. Statement I is true, but Statement II is false.

D. Statement I is true, Statement II is true, and Statement II is the correct explanation of Statement I.

Q21 Skeletal & Muscular System

The long, cylindrical cells that form muscular tissues are specifically known as _____.

A. Neurons

B. Cartilage discs

C. Muscle fibres



D. Sieve tubes

Q22 Skeletal & Muscular System

Smooth muscles are responsible for all the following actions, EXCEPT:

A. Moving food through the digestive tract.

B. Lifting a heavy bucket of water.



C. Functioning automatically without conscious thought.

D. Regular movements in the intestines.

Q23 Work, Energy & Power

Which of the following physical quantities affect gravitational potential energy?

A. Speed and distance

B. Volume and shape

C. Temperature and colour

D. Mass and height



Q24 Work, Energy & Power

An athlete of mass 60 kg runs at 5 m/s. What is the kinetic energy gained compared to standing still?

A. 1500 J

B. 375 J

C. 300 J

D. 750 J



Q25 pH Scale & Indicators

Clove oil is used as an olfactory indicator. If its smell persists in solution X but fades in solution Y, what can be inferred about the nature of the two solutions?

A. Solution X is basic and solution Y is acidic.

B. Both solutions X and Y are basic.

C. Both solutions X and Y are acidic.

D. Solution X is acidic and solution Y is basic.



Q26 Annual Compounding

Arun has a sum of ₹1,681 with him. He divides this amount between his two sons, Mahesh and Vijay. Mahesh invests his share at 5% per annum, compounded annually, for 17 years, while Vijay invests his share at the same rate for 18 years. After the respective periods, both receive equal amounts. Find the amount (in ₹) given to Mahesh.

- A. 711
- B. 820
- C. 920
- D. 861

**Q27 Average Speed**

One person travels three sides of an equilateral triangle at a speed of 12 km/hr, 24 km/hr and 8 km/hr. Find his average speed (in km/hr).

- A. 12.6
- B. 13.8
- C. 12
- D. 13.4

**Q28 Basic Ratio**

The incomes of A and B are in the ratio 5:7 and their expenditures are in the ratio 3:5. If each saves Rs. 4200, what is the income of A?

- A. Rs. 10500
- B. Rs. 12000
- C. Rs. 14000
- D. Rs. 8000

**Q29 Basic Time & Work**

If 8 workers can complete a task in 12 days, how many days will 6 workers take to complete the same task?

- A. 18 days
- B. 15 days
- C. 12 days
- D. 16 days

**Q30 Cost with Overhead Expenses**

Arvind bought an article for ₹x. He sold it to Biru at a loss of 25%. Biru spent ₹157 on its transportation and sold it to Minu at a profit of 40%. If Minu bought it for ₹1,715, then what is the value of x (in ₹)?

- A. 1,424
- B. 1,446
- C. 1,414
- D. 1,408

**Q31 Find Principal**

What sum (in ₹) will earn a simple interest of ₹960 in 4 years at 8% per year rate of interest?

- A. 4800
- B. 1500
- C. 3000
- D. 6000

**Q32 Finding Value from Percentage**

In a school election, 10% of the students did not vote. If the total number of students was 2,000, how many students voted?

- A. 1,900
- B. 1,800
- C. 1,700
- D. 1,600

**Q33 Laws of Indices**

Given that $109^{0.64} = x$, $109^{0.83} = y$ and $x^z = y^5$, then the value of z is close to:

- A. 6.48
- B. 7.82
- C. 7.91
- D. 5.06

**Q34 Mean Proportional**

Find the number which when subtracted from 11 and 67 will give 21 as their mean proportional.

- A. 8
- B. 3
- C. 6
- D. 4



Q35 Mode

The mean of a data set is 40 and the median is 35. Find the mode using the empirical relation.

A. 25



B. 30

C. 45

D. 40

Q36 Successive Discount

The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 87% and 14%, shop II allows successive discounts of 16% and 92%, shop III allows successive discounts of 60% and 35% and shop IV allows successive discounts of 58%, 29%, and 87% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

A. III

B. IV



C. II

D. I

Q37 Two Successive Changes

A city's tree plantation drive increased the number of trees by 40%. A storm destroyed 30% of the new trees. The number of trees destroyed in the storm is what percent of the original tree count?

A. 9%

B. 12%



C. 15%

D. 18%

Q38 Two Trains Crossing

Two trains, one 120 m long and the other 180 m long, are running in opposite directions at 45 km/hr and 54 km/hr, respectively. How long will they take to cross each other completely? [Give your answer in seconds, correct to one place after decimal.]

A. 12.0 s

B. 10.9 s



C. 9.5 s

D. 11.5 s

Q39 Value Decrease Over Time

A car costing ₹2,20,000 depreciates at 5% per annum compounded annually. What is its value (in ₹) after 2 years?

A. 1,98,550



B. 1,85,500

C. 1,80,500

D. 1,75,000

Q40 Volume

Find the volume of a cylinder whose radius is 5 cm and total surface area is 408.2 cm^2 (use $\pi = 3.14$).

A. 628 cm³



B. 596 cm³

C. 514 cm³

D. 427 cm³

Q41 Weighted Average

A 5-member family consists of grandparents, parents, and one grandchild. The average age of the grandparents is 76 years, that of the parents is 40 years, and the age of the grandchild is 8 years. What is the average age of the family?

A. 44 years

B. 48 years



C. 46 years

D. 42 years



Q42 Combined Work Rate

A can do a work in 10 days and B in 15 days. They work together for 3 days. How much work is left?

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



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

C. $\frac{1}{8}$

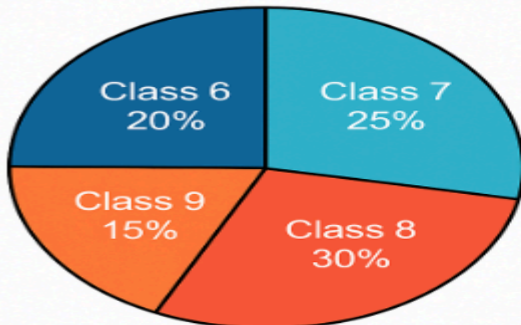
D. $\frac{1}{10}$

Q43 Double Pie Chart

Study the pie charts and answer the question that follows. The charts below show the distribution of students in a school.

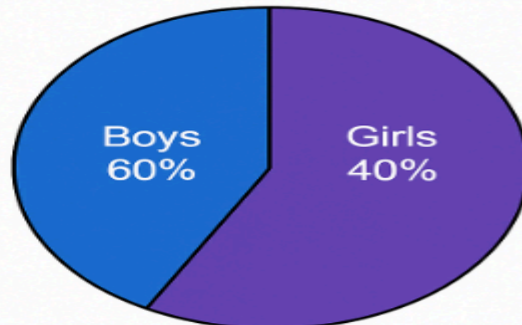
Class-wise Distribution of Students

(600)



Gender Distribution in Class 8

(180)



What is the number of girls in Class 8?

A. 60

B. 90

C. 72



D. 108

Q44 Mean of Grouped Data

If the mean of the following data is 50, then what is the value of x?

Class	10-20	20-30	30-40	40-50	50-60
Frequency	39	47	44	13	x

A. 674

B. 649

C. 648

D. 653

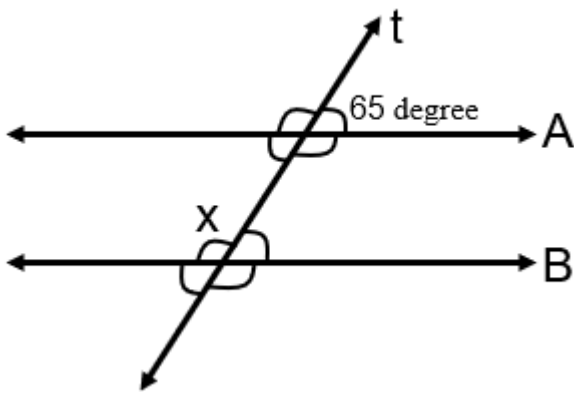


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Q45 Parallel Lines & Transversal

Find the value of x if A and B are two parallel lines.



A. 55°

B. 115°



C. 105°

D. 90°

Q46 Pythagorean Identities

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

A. 0



B. -1

C. 2

D. 1

Q47 Two Variables (Simultaneous)

Two rectangular fields have lengths x and y meters respectively, where $x > y$. The sum of their lengths is equal to three times the difference of their lengths. What is the value of $\frac{3xy}{2(x^2 - y^2)}$?

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

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

C. $1\frac{2}{3}$

D. 1

**Q48** Volume

If the surface area of a sphere is divided by its radius, the result becomes 132 cm. Find the volume of the sphere.

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

A. 4911 cm³

B. 4951 cm³

C. 4851 cm³



D. 5109 cm³



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Q49 $a^2 - b^2$

If $x = \sqrt{5776}$ and $y = \sqrt{2025}$, find $\frac{x^2 - y^2}{x - y}$

A. 122

B. 121

C. 120

D. 100

Q50 $\sin^2 + \cos^2 = 1$

If $\sin\theta + \cos\theta = \sqrt{3}$, then the value of $\sin^3\theta + \cos^3\theta$ is

A. $\sqrt{3}$

B. 3

C. -1

D. 0

General Intelligence & Reasoning

30 Questions • Answer Key

Q51 Day of Week Assignment

Each of B, F, N, K, T, U and V has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week. B has exam on Friday. Only five people have exams after U. Only one person has exam between F and U. K has exam immediately before T. V does not have exam on Monday. How many people have exams between V and B?

A. One

B. Three

C. Two

D. Four

Q52 Facing Center

D, F, G, H, J, K and L are sitting around a circular table facing the centre.

Only three people sit between L and D when counted from the right of D. K and F are immediate neighbours of D. G sits immediately to the right of H. K is not an immediate neighbour of J.

How many people sit between G and J when counted from the left of G?

A. 4

B. 3

C. 2

D. 1

Q53 Facing Center

Seven students I, J, K, P, Q, R and Z are sitting around a circular table facing the center of the table. Q sits third to the left of K. Only two people sit between R and J when counted from the left of J. P sits to the immediate right of K. P sits second to the left of R. Z is not an immediate neighbor of Q. Who sits second to the right of I?

A. K

B. R

C. Z

D. P

Q54 Floor/Building Arrangement

A, D, F, G, H and S live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2, and so on, till the topmost floor is numbered 6. A lives on an odd numbered floor but not 3. The sum of floors on which A and S live is 7. D lives immediately below F. H lives on the top floor. What is the sum of floors on which H and G live?

A. 7

B. 8

C. 6

D. 5



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Q55 Group Pattern

What should come in place of ? in the given series based on the English alphabetical order?
BDF HJL NPR TVX ?

A. ZBD



B. ZBC

C. YZA

D. YAC

Q56 Letter Analogy

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?
: SNQ :: JEJH : %

A. # = PGN, % = MHL

B. # = OPN, % = MBN

C. # = PJI, % = BGK

D. # = PKN, % = MHK

**Q57 Letter Analogy**

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

FTN : IWL
JSU : MVS

A. HWL : KZI

B. KWQ : NYO

C. JLJ : MOG

D. NGJ : QJH

**Q58 Letter Analogy**

Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

DZA-XTU
YUV-SOP

A. SNN-LHI

B. SOP-LII

C. SNN-MIJ

D. SOP-MIJ

**Q59 Letter Series**

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

(Left) W N E U S X J U C G Z A D R M I A G Y E A Z (Right)

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

A. 5

B. 3



C. 4

D. 2

Q60 Letters in a Given Word

Each vowel in the word CHEMIST 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 be second from the right in the new group of letters thus formed?

A. Q

B. T

C. S

D. R

**Q61 Letters in a Given Word**

This question is based on the given words.

FAX KEY POT GYM

In each of the words, each vowel 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. In how many letter-clusters thus formed, will no vowel appear?

A. None

B. One

C. Two



D. Four



Q62 Letters in a Given Word

This question is based on the following words.

WAR ITS NOT BET

In each of the words, each vowel 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. In how many letter-clusters thus formed, will no vowel appear?

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

Q63 Missing Number

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

51 55 63 75 91 ?

- A. 111
- B. 116
- C. 102
- D. 124

Q64 Multiple Turns

Mr. Nima starts from Point A and drives 26 km towards south. He then takes a right turn, drives 31 km, turns right and drives 42 km. Next, he takes a right turn, drives 25 km, turns right and drives 11 km. He then takes a left turn and drives 14 km. He takes a final right turn, drives 5 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only, unless specified.)

- A. 8 km towards west
- B. 10 km towards north
- C. 6 km towards east
- D. 10 km towards south

Q65 Multiple Turns

Karan starts from Point A and drives 12 km towards north. He then takes a left turn, drives 8 km, turns left and drives 14 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 degree turns only, unless specified.)

- A. 5 km to the east
- B. 5 km to the west
- C. 6 km to the east
- D. 6 km to the west

Q66 Operation Based

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 etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

13 - 28
20 - 42

- A. 5 - 14
- B. 11 - 23
- C. 5 - 13
- D. 17 - 36

Q67 Operation Based

Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, a certain mathematical operation on the second number results in the third number and so on. Which of the given options follows the same set of operations as in the question? (NOTE: A two/three digit number cannot be broken into individual digits for operations. E.g. if 37 is followed by 10, the operation cannot be 3+7 as a two-digit number cannot be broken into individual digits.)

2 - 6 - 18 - 38 ; 3 - 9 - 27 - 47

- A. 4 - 8 - 16 - 40
- B. 5 - 15 - 45 - 65
- C. 6 - 18 - 36 - 76
- D. 7 - 14 - 28 - 58



Q68 Operator Swap

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

$$3 \div 2 + 15 \times 3 - 5 = ?$$

A. 5

B. 6



C. 8

D. 4

Q69 Position Pattern

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the 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. CIN

B. HNT



C. KQV

D. JPU

Q70 Position Pattern

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the 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. XXT



B. CBY

C. YXU

D. NMJ

Q71 Position from Left/Right

Tarun ranked 49th from the top and 69th from the bottom in his class. How many students are there in his class?

A. 118

B. 117



C. 119

D. 116

Q72 Rearrangement of Letters

Each of the digits in the number 81532976 is arranged in the ascending order from left to right. Which of the following digits will be fourth from the left in the new number thus formed?

A. 7

B. 5



C. 3

D. 6

Q73 Rearrangement of Letters

Each of the digits in the number 31598756 is arranged in ascending order from left to right. What will be the sum of the digits which are second from the left and third from the right in the new number thus formed?

A. 10



B. 8

C. 11

D. 9

Q74 Rearrangement of Letters

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

A. 3

B. 5

C. 2



D. 4

Q75 Symbol Based

In a certain code language,

A + B means 'A is the sister of B',

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

A × B means 'A is the wife of B' and

A ÷ B means 'A is the father of B'.

Based on the above, how is S related to N if 'S × E ÷ W - T + N'?

A. Wife

B. Sister

C. Mother



D. Daughter



Q76 Symbol Based

In a certain code language,
 A + B means 'A is the mother of B',
 A - B means 'A is the brother of B',
 A × B means 'A is the wife of B',
 A % B means 'A is the father of B' and
 A # B means 'A is the daughter of B'.

How is Fb related to Yt if 'Fb # Ki × Tn % Ec × Yt'?

A. Wife's sister



B. Mother's sister

C. Daughter's husband

D. Sister's husband

Q77 Symbol Included Pattern

Refer to the given letter, number and symbol series and answer the question that follows. All numbers are single-digit numbers.

(Left) & B @ 8 X 9 * \$ J @ P 4 L 4 @ & 5 @ F # € 5 (Right)

If all the letters are dropped from the series, which of the following will be sixth from the left?

A. \$



B. *

C. @

D. 4

Q78 Symbol Included Pattern

Refer to the following letter, symbol series and answer the question.

(Left) G # M + B & H % \$ F # E ^ & W @ W \$ D S ! (Right)

If all the letters are dropped from the series, which of the following will be seventh from the right?

A. ?

B. +

C. @

D. \$

**Q79 Word to Code Mapping**

In a certain code language, 'five minutes only' is coded as 'ta bs yk' and 'only the truth' is coded as 'cz ta gp'. How is 'only' coded in that language? (All the codes are two-letter codes only.)

A. ta



B. yk

C. bs

D. gp

Q80 Word to Code Mapping

In a certain code language, 'may get prize' is coded as 'gm qv bn' and 'get more water' is coded as 'kp bn tz'. How is 'get' coded in that language? (All the codes are two-letter codes only.)

A. kp

B. qv

C. bn



D. tz

General Awareness

20 Questions • Answer Key

Q81 Constitutional Posts

Which of the following film stars was sworn in as the Chief Minister of Tamil Nadu in May 2026?

A. Ajith Kumar

B. Kamal Haasan

C. C. Joseph Vijay



D. Vijay Sethupathi

Q82 Digital India Updates

What was the name of the National AI Literacy programme launched by IndiaAI under the Ministry of Electronics and Information Technology in collaboration with AISECT in February 2026 to expand access to foundational AI education in semi-urban and underserved regions?

A. Digital AI Bharat

B. Yuva AI for All



C. IndiaAI Connect

D. AI Shiksha Mission



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Q83 Digital India Updates

The Central Government approved ₹2,432 crore under the Amended BharatNet Programme (ABP) in May 2026 for broadband expansion in which state?

- A. Gujarat
- B. Rajasthan
- C. Andhra Pradesh
- D. Madhya Pradesh



Q84 Environment Current Affairs

Which of the following groups did the National Human Rights Commission (NHRC) specifically identify as being most at risk due to heat waves in India, according to the recent directive issued in April 2026?

- A. Schoolchildren in private institutions
- B. Urban residents in metropolitan cities
- C. Economically weaker sections, outdoor workers, and the homeless
- D. Government officials and administrators



Q85 HDI, GHI, etc.

India was ranked 102nd in the Global Hunger Index 2025. Which hunger severity classification was assigned to India based on its overall score?

- A. Moderate hunger category
- B. Alarming hunger category
- C. Low hunger category
- D. Serious hunger category



Q86 Health & Environment Days

The National Science Centre, Delhi, celebrated World Earth Day 2026 on April 22 based on which official global theme?

- A. Restore Our Earth
- B. Climate Action for Future Generations
- C. Invest in Our Planet
- D. Our Power, Our Planet



Q87 Individual Records

In May 2026, Dev Kumar Meena and Kuldeep Kumar jointly established a national record in which athletics event?

- A. Men's high jump field
- B. Men's triple jump field
- C. Men's long jump field
- D. Men's pole vault field



Q88 International Awards

At the 98th Academy Awards held in March 2026, which cinematic work secured the premier Oscar for the Best Picture alongside the Best Director?

- A. Sinners
- B. Sentimental Value
- C. Hamnet
- D. One Battle After Another



Q89 International Sports Awards

The 2026 Laureus World Sports Awards, celebrating achievements of the 2025 calendar year, were held in Madrid. Who was awarded the prestigious 'World Sportsman of the Year'?

- A. Ousmane Dembélé
- B. Carlos Alcaraz
- C. Lando Norris
- D. Tadej Pogacar



Q90 Key Announcements

Which initiative was announced in the Union Budget 2026–27 to shift sports development in India towards a long-term, mission-mode approach over the next decade?

- A. Fit India Global Mission
- B. Khelo India Mission
- C. Target Olympic Podium Scheme Plus
- D. National Sports Development Fund



Q91 Key Announcements

Which feature of PMAY-G was highlighted in the Union Budget 2026–27 as an indicator of women-centric rural housing empowerment?

- A. Allotment of houses only to women rural wage workers
- B. Allotment of houses in women's names or joint spousal ownership
- C. Allotment of houses through women-exclusive housing boards
- D. Allotment of houses only through women-led self-help groups



Q92 New Schemes & Programs

In May, 2026, the Vigilance and Anti-Corruption Bureau (VACB) launched "Project Zero", a major initiative aimed at curbing bribery and corruption in public administration. This initiative was launched in which state?

- A. Tamil Nadu
- B. Andhra Pradesh
- C. Kerala
- D. Karnataka

Q93 Policy Changes & Amendments

The Animal-inclusive Disaster Risk Reduction (AiDRR) Guidelines released in April 2026 were primarily intended to strengthen which aspect of community resilience?

- A. Community early warning mechanisms
- B. Livelihood sustainability mechanisms
- C. Disaster response coordination mechanisms
- D. Emergency shelter administration mechanisms

Q94 Policy Changes & Amendments

What was a notable feature of the Waqf (Amendment) Act, 2025?

- A. It allowed non-Muslims to donate to Waqf properties.
- B. It abolished the Central Waqf Council.
- C. It restricted Waqf property management to religious leaders.
- D. It mandated the representation of Muslim women on Waqf Boards.

Q95 Rate Changes

In the April 2026 monetary policy announcement of the Reserve Bank of India, the repo rate was fixed at:

- A. 6.00%
- B. 4.50%
- C. 5.00%
- D. 5.25%

Q96 Recent Tournaments

How many medals did India secure at the Asian Weightlifting Championship held in May 2026 at Gujarat?

- A. 10
- B. 17
- C. 8
- D. 14

Q97 Science & Technology Current Affairs

Param Shakti Supercomputing facility, launched at Indian Institute of Technology (IIT) Madras in January 2026, is powered by which indigenous supercomputing system?

- A. PARAM BRAHMA
- B. PARAM RUDRA
- C. PARAM SHIVAY
- D. PARAM PRAVEGA

Q98 Species Conservation

Which organisation constituted a committee in March 2026 to study issues related to Invasive Alien Species in India?

- A. National Green Tribunal
- B. Zoological Survey of India
- C. Botanical Survey of India
- D. National Biodiversity Authority

Q99 Supreme Court

In the landmark decision Deeksha Amrutesh v. State of Karnataka (2026), the Supreme Court issued a historic pan-India mandate concerning gender representation. What did the Court rule?

- A. 33% mandatory reservation for women in lower state judiciary
- B. 25% quota for women members in high court collegium offices
- C. 50% reservation for female advocates in public prosecutor panels
- D. 30% mandatory women representation in all Bar Associations

Q100 Treaties & Agreements

The \$2.6 billion uranium supply agreement signed between India and Canada in March 2026 was primarily aimed at strengthening which energy sector of India?

- A. Nuclear Energy Sector
- B. Hydroelectric Energy Sector
- C. Solar Energy Sector
- D. Wind Energy Sector



General Science

25 Questions • Answer Key

Q1 Animal Kingdom (Phyla Overview)

A student is analyzing digestive systems in different invertebrates. Which structural change allows efficient, one-way food processing and waste elimination?

A. Development of two body openings ✓

B. Presence of body segmentation

C. Acquisition of bilateral symmetry

D. Evolution of feeding tentacles

Q2 Atoms & Molecules

If the molecular mass of nitrogen gas (N₂) is 28, what is the atomic mass of a single nitrogen atom?

A. 14 ✓

B. 21

C. 7

D. 28

Q3 Basic Organic Chemistry

The combustion of carbon or its compounds gives off:

A. Heat and light ✓

B. Heat only

C. Electricity

D. Light only

Q4 Classification of Organisms

A botanist names a new flowering plant growing in a remote region using binomial system. Which of the following is the correct format?

A. Species capitalized, genus in lowercase

B. Genus capitalized, species in lowercase ✓

C. Both words in uppercase

D. Both words in lowercase

Q5 Current Electricity (Ohm's Law, Circuits)

A copper wire and an iron wire have the same length and thickness. Which wire will have lower resistance and why, when both are kept at the same temperature?

A. The iron wire, because iron is a better conductor

B. Both wires, because thickness is the only factor

C. The copper wire, because copper is a better conductor ✓

D. Both wires, because material does not affect resistance

Q6 Current Electricity (Ohm's Law, Circuits)

If a 9V battery is connected across three resistors of 3 ohms, 2 ohms, and 1 ohm in series, what is the current flowing through the circuit?

A. 1.5 A ✓

B. 9 A

C. 3 A

D. 6 A

Q7 Extraction & Metallurgy

Which of the following metals is usually extracted from its ore by electrolytic reduction?

A. Copper

B. Zinc

C. Iron

D. Aluminium ✓

Q8 Hydrocarbons (Methane, Ethane, etc.)

The number of bonds formed in ethene is:

A. 3

B. 5

C. 4

D. 6 ✓



Q9 Mechanics

Every lever consists of three essential parts that help it function. Which of the following is NOT one of these parts?

- A. Load
- B. Effort
- C. Fulcrum
- D. Axle

**Q10 Mechanics**

Which quantity changes continuously for an object in uniform circular motion?

- A. The direction of velocity changes
- B. The kinetic energy changes
- C. The mass changes
- D. The speed changes

**Q11 Mechanics**

Which of the following best describes the appearance of a distance-time graph for an object moving at a uniform speed?

- A. A horizontal line parallel to the time axis
- B. A vertical line parallel to the distance axis
- C. A straight line with a constant positive slope
- D. A curved line with a changing slope

**Q12 Mirrors & Lenses**

A student places a convex lens in sunlight and notices a small bright spot forms on a paper held below the lens. What property of the lens allows this to happen?

- A. The lens diverges the rays in all directions
- B. The lens focuses parallel rays to a single point
- C. The lens blocks all rays from passing through
- D. The lens only works for colored light

**Q13 Mixtures, Solutions, Colloids**

A chemistry teacher prepares a mixture by dissolving copper sulfate in water until the solution is clear blue. Why is this considered a homogeneous mixture?

- A. Copper sulfate crystals float on the surface of water
- B. The mixture forms two distinct layers after stirring
- C. Copper sulfate can be separated by filtration easily
- D. The mixture appears as a single phase with no visible separation

**Q14 Periodic Table & Classification**

Which of the following element symbols does NOT match its element?

- A. C for Carbon
- B. Sb for Seaborgium
- C. O for Oxygen
- D. As for Arsenic

**Q15 Photosynthesis**

How do autotrophs fulfill their carbon and energy requirements?

- A. By respiration
- B. By fermentation
- C. By digestion
- D. By photosynthesis

**Q16 Physical & Chemical Properties**

Which method effectively prevents corrosion by blocking contact with air and moisture?

- A. Mixing metal with water
- B. Applying paint or protective coating
- C. Heating metal at high temperature
- D. Exposing metal to sunlight

**Q17 Plant Hormones**

What movement in plants causes a tendril to circle and cling to an object?

- A. Turgor movement
- B. Locomotory movement
- C. Nastic movement
- D. Tropic movement

**Q18 Plant vs Animal Cell**

Complete the Analogy.

Plant : Rigid Cell Wall :: Animal : _____

- A. Lignified support
- B. Cellular flexibility
- C. Photosynthetic tissues
- D. Fixed position



Q19 Reflection & Refraction

What is the angle between the two lateral faces of a triangular glass prism called?

- A. The angle of the prism. ✓
- B. The angle of refraction.
- C. The angle of deviation.
- D. The angle of incidence.

Q20 Reproductive System

Which organ produces hormones that regulate the menstrual cycle?

- A. Ovaries ✓
- B. Pancreas
- C. Thyroid
- D. Testes

Q21 Reproductive System

Complete the analogy.

Sperm Production : Testes :: Egg Production : _____.

- A. Uterus
- B. Fallopian tubes
- C. Ovaries ✓
- D. Vagina

Q22 Respiratory System

Which of the following facts about cellular respiration is **INCORRECT**?

- A. The first step of glucose breakdown takes place in the cytoplasm.
- B. Anaerobic respiration in yeast produces water as a major end product. ✓
- C. Anaerobic respiration occurs in the absence of oxygen.
- D. Anaerobic respiration in yeast produces ethanol and carbon dioxide.

Q23 Wave Properties (Frequency, Wavelength)

A student beats a large drum and blows a high-pitched plastic whistle at the same time. Which property of the sound waves is the main reason why the whistle sounds so different from the drum?

- A. The frequency of the sound waves is different for each instrument ✓
- B. The speed of the sound waves through the air is different for each
- C. The type of air in the room changes when each instrument is played
- D. The loudness of the sound waves is always the same for both

Q24 Work, Energy & Power

A student holds a heavy school bag while waiting for the bus without moving. Which of the following statements are correct?

- (1) Force is applied by the student.
- (2) The bag is displaced.
- (3) Work is done on the bag.
- (4) No work is done in the scientific sense.

- A. (1) and (3) only
- B. (1) and (4) only ✓
- C. (1), (2), (3)
- D. (2) and (3) only

Q25 pH Scale & Indicators

Which of the following solutions has the lowest hydrogen ion concentration?

- A. Blood (pH = 7.4)
- B. Seawater (pH = 8.2) ✓
- C. Vinegar (pH = 3)
- D. Milk (pH = 6.6)



Q26 3-Year Difference

The difference between compound interest (compounded annually) and simple interest for 3 years at the rate of 18% per annum is ₹25,758. What is the principal lent?

A. ₹3,50,000

B. ₹3,00,000

C. ₹4,00,000

D. ₹2,50,000

**Q27 Age in Ratio Form**

The ratio of the ages of Riya to Suman is 2:3. After 6 years from now, the ratio becomes 4:5. What is Riya's present age?

A. 6 years



B. 10 years

C. 8 years

D. 4 years

Q28 Annual Compounding

The compound interest on a sum of ₹10000 for 2 years is ₹2544, when the interest is compounded annually. If the rate of interest per annum is halved and the time duration is doubled, then the compound interest (in ₹, correct to nearest paise) will be:

A. 2742.67

B. 2642.77

C. 2724.67

D. 2624.77

**Q29 Arithmetic Mean**

If the mean of three values $3x$, $2x+6$ and $2x+1$ is 7, then find x .

A. 2



B. 6

C. 4

D. 8

Q30 Basic TSD

Kaushal travelled for 2 hours 45 minutes at the speed of 32 km/h. At what speed (in km/h) should he travel to cover the same distance in 4 hours?

A. 22



B. 24

C. 21

D. 19

Q31 Direct Proportion

If 5 notebooks cost ₹125, what will be the cost of 8 such notebooks?

A. ₹150

B. ₹120

C. ₹200



D. ₹180

Q32 Find SI

What would be the annual interest (in ₹) accrued on a deposit of ₹20,000 in a bank that pays a 5% per annum rate of simple interest?

A. 1500

B. 1800

C. 1200

D. 1000

**Q33 Median**

The mean and the mode of a set of data are 15.7 and 17, respectively. Find the median of the data, using the empirical formula. (Round off to one decimal place)

A. 15.9

B. 16.1



C. 15

D. 16.4



Q34 Multiple Pipes

Pipe A can fill a tank in 3 hours, pipe B can fill the same tank in 15 hours and pipe C can fill the same tank in 10 hours. The time taken (in hours) by them to fill half of the same tank if they operate together is:

A. 3

B. 1 

C. 4

D. 2

Q35 Percentage Increase/Decrease

The income of Raman is ₹43,800. He saves 20% of his income. If his income increases by 36% and expenditure increases by 40%, then his savings will:

A. increase by ₹1,757

B. increase by ₹1,752 

C. decrease by ₹1,748

D. decrease by ₹1,753

Q36 Profit/Loss Percentage

A residential plot is purchased for ₹6,28,200 and sold for ₹7,09,866. What is the profit percentage?

A. 13% 

B. 17%

C. 11%

D. 19%

Q37 Rules for 2,3,4,5,6

The 7-digit number 84A614B is divisible by 3. What is the minimum value of (A + B)?

A. 5

B. 1 

C. 4

D. 2

Q38 Rules for 2,3,4,5,6

What is the least value that must be assigned to A so that the 8-digit number 456A3264 is divisible by 12?

A. 3

B. 4

C. 0 

D. 6

Q39 Slant Height

60% of the canvas used to make a closed cylinder with a radius of 5 cm and a height of 15 cm is reused to make a conical hat with a radius of 8 cm. What is the slant height (in cm) of the conical hat?

A. 17

B. 25

C. 15 

D. 13

Q40 Successive Discount

The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 12% and 79%, shop II allows successive discounts of 33% and 19%, shop III allows successive discounts of 38% and 39% and shop IV allows successive discounts of 55%, 79%, and 34% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

A. I

B. IV 

C. II

D. III

Q41 Trapezium

The area of a trapezium is $2,220 \text{ cm}^2$. Its parallel sides are 29 cm and 31 cm. If the distance between parallel sides is x cm, find the value of x.

A. 56

B. 74 

C. 37

D. 62

Q42 Two Successive Changes

An officer spends 10% of his salary on house rent. From the remaining amount, he spends 50% on conveyance. He is left with ₹20,556. What was his total salary?

A. ₹47,680

B. ₹48,680

C. ₹45,680 

D. ₹46,680



Q43 Ungrouped Data Median

Find the median of the data set: 10, 13, 14, 17, 18.

- A. 10
- B. 17
- C. 13
- D. 14

**Q44 0, 30, 45, 60, 90 degrees**

What is the value of $\left(\frac{\cos \gamma \cot \gamma}{1 - \sin \gamma} \right)$ at $\gamma = 30^\circ$?

- A. $\frac{3}{2}$
- B. 1
- C. 0
- D. 3

**Q45 Algebraic Identities**

Expand $(a - p + m)^2$

- A. $a^2 - p^2 + m^2 - 2ap - 2pm + 2am$
- B. $a^2 + p^2 - m^2 - 2ap - 2pm + 2am$
- C. $a^2 - p^2 - m^2 - 2ap - 2pm + 2am$
- D. $a^2 + p^2 + m^2 - 2ap - 2pm + 2am$

**Q46 Average Speed**

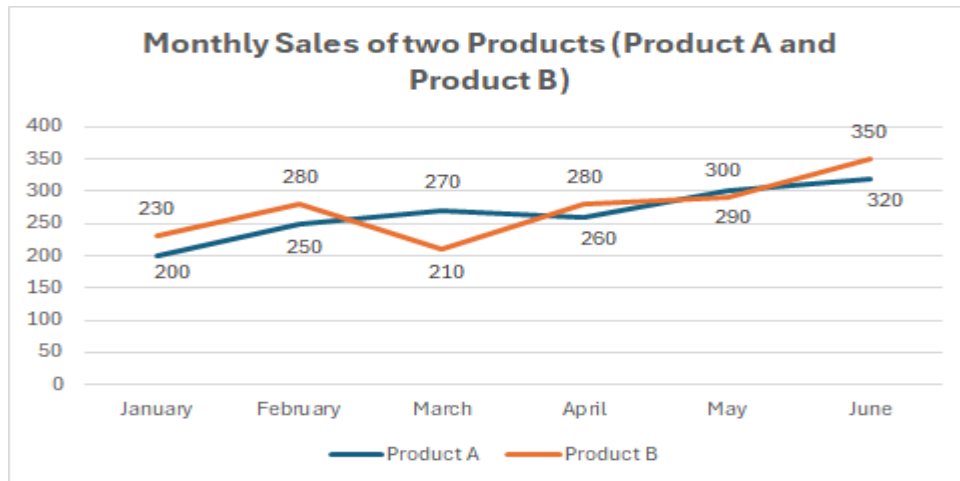
A bus covers $\frac{1}{10}$ of a distance from one place to another at a speed of 25 km/hr, $\frac{1}{5}$ of the distance at the speed of 8 km/hr. At what speed would it be supposed to cover the remaining distance to have an average speed of 15.625 km/hr?

- A. 25 km/hr
- B. 8 km/hr
- C. 20 km/hr
- D. 10 km/hr



Q47 Comparative Trend

The line graph shows the monthly sales of two products (Product A and Product B) in units during the first six months of 2024.



In which month did Product B's sales exceed Product A's sales by the largest percentage?

A. May

B. April

C. June

D. January

**Q48** Simplification

Simplify: $3^3 \times 3^2$.

A. 3^6

B. 3^5

C. 3^1

D. 3^8

**Q49** Total Surface Area

A cylindrical tank has radius 7 m and height 21 m. The inside surface (curved plus base) is fully painted. On the outside, the curved surface is painted except for a horizontal strip of width 1 m along the top rim; the outside base is also painted. Use $\pi = \frac{22}{7}$. The inside is painted at ₹5 per m^2 and the outside at ₹7 per m^2 . What is the total painting cost?

A. ₹12,628

B. ₹12,716

C. ₹12,760

D. ₹12,672



Q50 $\sin^2 + \cos^2 = 1$

Simplify: $\frac{3\sin^2 A + 5\cos A - 5}{\sin^2 A}$

A. $\frac{3\cos A + 2}{1 - \cos A}$

B. $\frac{3\cos A - 2}{1 + \cos A}$ ✓

C. $\frac{1 - \cos A}{3\cos A + 2}$

D. $\frac{1 + \cos A}{3\cos A - 2}$

General Intelligence & Reasoning

30 Questions • Answer Key

Q51 Analogy

UX 4 is related to QT 12 in a certain way. In the same way, GJ 6 is related to CF 18. To which of the following is LO 8 related to following the same logic?

A. HJ 24

B. IK 23

C. HK 24 ✓

D. IL 21

Q52 Day of Week Assignment

Each of A, B, C, D, E, F, and G has an exam on a different day of the week, starting from Monday and ending on Sunday of the same week. A has an exam on Tuesday. F has an exam immediately after A. Only one person has an exam between F and B. C has an exam immediately after B. D has an exam immediately after C. No one has exam before G.

On which day does E have an exam?

A. Thursday ✓

B. Wednesday

C. Monday

D. Friday

Q53 Floor/Building Arrangement

Six boxes, D, E, F, G, X and Y, are kept one over the other, but not necessarily in the same order.

Only three boxes are kept below D. Only two boxes are kept between D and F. Only E is kept above Y. X is kept at some place above G.

How many boxes are kept between F and X?

A. Two

B. One ✓

C. Three

D. Four

Q54 Floor/Building Arrangement

H, I, J, L, M and N live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on, till the topmost floor, which is numbered 6.

M lives on floor number 6. Only three people live between M and H. L lives on a floor below H. N lives on an even-numbered floor. I lives on an odd-numbered floor but not on floor number 5.

How many people live between J and H?

A. One

B. Three

C. Two ✓

D. Four



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Q55 Group Pattern

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

HIE DEA ZAW VWS ?

A. RRN

B. RTN

C. RSO



D. RSU

Q56 Letter Analogy

Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

XBF-CGK

YCG-DHL

A. XAD-BFJ

B. XAD-CGK

C. JNR-OSW



D. JNS-PSW

Q57 Letter Analogy

CJGE is related to IPMK in a certain way based on the English alphabetical order. In the same way, GNKI is related to MTQO. To which of the following is KROM related, following the same logic?

A. QYUR

B. QXUS



C. QXSU

D. QXUR

Q58 Letter Series

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

(Left) T J C U J D C Y P S U V Y R T W K V U H Z (Right)

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

A. None

B. Two

C. One

D. Three

**Q59 Letter to Number Mapping**

In a certain code language, 'VEIN' is coded as '7462' and 'EASY' is coded as '9537'. How is 'E' coded in that language?

A. 5

B. 4

C. 9

D. 7

**Q60 Letters Between Two Positions**

This question is based on the following words.

(Left) SAD DIM CRY GYM (Right)

How many letters are there in the English alphabetical order between the third letter of the second word from the left and the second letter of the second word from the right?

A. 3

B. 4



C. 7

D. 5

Q61 Letters in a Given Word

This question is based on the following letter-clusters.

BOC TWE JVN HEQ

In each of the letter-clusters, each vowel 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. In how many letter-clusters thus formed, will no vowel appear?

A. Two



B. Three

C. Four

D. One

Q62 Letters in a Given Word

Each vowel in the word COMBINE 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 be fourth from the right in the new group of letters thus formed?

A. B

B. A



C. F

D. M



Q63 Linear Family Relations

E is wife of F. F is father of G. G is mother of H. How is E related to H?

A. Mother's Mother



B. Wife's Mother

C. Mother

D. Sister

Q64 Mathematical Operations

If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 1735862, what will be the sum of the highest and lowest digits in the number thus formed?

A. 7

B. 8



C. 9

D. 6

Q65 Missing Number

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

136 149 164 181 200 ?

A. 247

B. 221



C. 295

D. 285

Q66 Multiple Turns

Kartik starts from Point A and drives 19 km towards the south. He then takes a left turn, drives 13 km, turns left and drives 24 km. He then takes a left turn and drives 22 km. He takes a final left turn, drives 5 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 8 km to the west

B. 9 km to the east



C. 9 km to the west

D. 8 km to the east

Q67 Number Series

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

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

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

A. None

B. Four

C. Three



D. Two

Q68 Number Series

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

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

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

A. 6

B. 7

C. 5



D. 4

Q69 Operation Based

Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on first number results in the second number. Similarly, a certain mathematical operation on second number results in the third number and so on. Which of the given options follows the same set of operations as in question?

(NOTE – A two/three digit number cannot be broken into individual digits for operations, e.g., if 37 is followed by 10, the operation cannot be 3+7 as a two digit number cannot be broken into individual digits.)

15 – 18 – 26 – 22 ; 20 – 23 – 31 – 27

A. 6 – 9 – 17 – 21

B. 12 – 9 – 17 – 13

C. 14 – 11 – 19 – 15

D. 8 – 11 – 19 – 15



Q70 Operation Based

Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, a certain mathematical operation on the second number results in the third number and so on. Which of the given options follows the same set of operations as in the question?

(NOTE: A two/three digit number cannot be broken into individual digits for operations. E.g. if 37 is followed by 10, the operation cannot be $3+7$ as a two-digit number cannot be broken into individual digits.)

$14 - 28 - 56 - 112$; $16 - 32 - 64 - 128$

A. $17 - 34 - 68 - 130$

B. $15 - 30 - 60 - 100$

C. $18 - 36 - 72 - 144$ ✓

D. $20 - 40 - 90 - 180$

Q71 Operator Swap

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

$231 \div 61 \times 427 - 321 + 217 = ?$

A. 173

B. 137 ✓

C. 317

D. 117

Q72 Operator Swap

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

$25 - 12 \div 3 + 10 \times 2 = ?$

A. 37

B. 39

C. 36

D. 56 ✓

Q73 Position Pattern

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

A. VL - YO ✓

B. PG - TK

C. SJ - WN

D. MD - QH

Q74 Position Pattern

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. VY-XA

B. WZ-YB

C. JM-KQ ✓

D. HK-JM

Q75 Rearrangement of Letters

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

A. 16 ✓

B. 17

C. 19

D. 15

Q76 Single Row (One-way/Both-way)

Seven people, N, F, X, G, Q, T and M, are sitting in a row, facing the north.

Only two people sit between F and N. Only T sits to the right of X. Only one person sits between N and X. G sits at some place to the right of Q but at some place to the left of M.

How many people sit to the left of G?

A. Three

B. One

C. Two ✓

D. Four

Q77 Single Row (One-way/Both-way)

Six people, C, D, E, O, P and Q, are sitting in a row, facing north.

Only two people sit to the right of C. Only two people sit between E and C. C sits to the immediate left of D. P sits to the immediate right of D. Only one person sits between E and Q.

How many people sit between O and P?

A. Two

B. Three ✓

C. One

D. None



Q78 Symbol Based

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 sister's daughter
- C. Wife's mother** ✓
- D. Mother's mother

Q79 Two Statement Sufficiency

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Among five sticks, V, H, Y, D and N, each having a different height, which stick is the shortest?

(I) N is taller than Y.

(II) D is taller than N. V is only shorter than one stick.

- A. Both statements I and II together are NOT sufficient to answer the question** ✓
- B. Data in Statement II alone is sufficient to answer the question while data in statement I is not
- C. Data in Statement I alone is sufficient to answer the question while data in statement II is not
- D. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.

Q80 Two Statement Sufficiency

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements is sufficient to answer the question. Read both the statements and select the appropriate answer.

Ah, Bt, Ci, Du and Ez are sitting around a circular table, facing the centre. Who sits second to the left of Ah?

(I) Du sits second to the left of Ez. Ci sits to the immediate left of Ez.

(II) Bt sits to the immediate left of Du. Ez sits second to the right of Du.

- A. Data in statement I alone is sufficient to answer the question while data in statement II is not
- B. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question** ✓
- C. Data in statements I and II together are NOT sufficient to answer the question
- D. Data in statement II alone is sufficient to answer the question while data in statement I is not

General Awareness

20 Questions • Answer Key

Q81 Civilian Awards

In which of the following fields was the couple, Shri Ramchandra Godbole and Smt. Suneeta Godbole, from Chhattisgarh jointly honored with the Padma Shri award in 2026?

- A. Innovative educational methods for rural schools
- B. Medicine and healthcare services in tribal areas** ✓
- C. Excellence in national-level sports coaching
- D. Development of advanced agricultural technology

Q82 Defense & Technology

According to defence sector data released during Financial Year 2025–26, which of the following statements correctly describes India's defence export performance?

- A. India replaced defence manufacturing exports with exclusive imports of strategic military platforms from foreign suppliers
- B. India completely discontinued private-sector participation in defence manufacturing and restricted exports to domestic requirements only
- C. India's defence exports declined significantly during FY 2025–26 due to reduced international demand for indigenous defence equipment
- D. India's defence exports reached a record ₹38,424 crore during FY 2025–26, registering substantial growth over the previous financial year** ✓



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Q83 Economic Current Affairs

In the context of India's regulatory frameworks, a new initiative to streamline the insurance claim settlement process was launched in December 2025. Which organization is primarily responsible for implementing such reforms?

A. IRDAI



B. SEBI

C. RBI

D. TRAI

Q84 Environment Current Affairs

According to the new Solid Waste Management Rules, 2026, notified by the Government of India, which principle has been specifically incorporated to ensure that polluters bear the financial burden of improper waste disposal?

A. Polluter Pays Principle



B. Absolute Liability Principle

C. Sustainable Development Principle

D. Precautionary Principle

Q85 G7, G20, BRICS, SCO

In November 2025, which country hosted the G20 Summit, where the main outcome was a joint communiqué on reforming multilateral development banks?

A. India

B. Brazil

C. South Africa



D. Australia

Q86 Global Space Missions

The Indian astronaut Shubhanshu Shukla spent 18 days aboard the International Space Station in June 2025 as part of which mission?

A. Gaganyaan-1

B. Axiom-04



C. NISAR Mission

D. SpaDeX-2

Q87 Government Policies & Schemes

As per the announcement made by Union Home Minister Amit Shah, by what date has the Government of India set the target to eliminate Left-Wing Extremism (LWE) from the country?

A. 31 March 2028

B. 31 March 2027

C. 31 March 2029

D. 31 March 2026



Q88 Health & Environment Days

What was the official theme for World Health Day observed on 7th April 2026?

A. Together for health. Stand with science



B. Health for all, science for care

C. Science for healthy world future

D. Global health with scientific unity

Q89 India's Foreign Relations

During the 16th India–Singapore Defence Policy Dialogue held in 2026, cooperation between the two countries was proposed to be expanded into which of the following emerging security domains?

A. Climate finance, mineral exploration, electoral reforms, cultural exchanges, and disaster insurance

B. Nuclear disarmament, Antarctic governance, agricultural trade, public health, and space tourism

C. Cyber security, artificial intelligence, maritime security, unmanned systems, and advanced defence technologies



D. Inland water transport, fisheries management, urban housing, labour migration, and textile production

Q90 International Sports Awards

Which tennis star was named the Laureus World Sportsman of the Year at the prestigious 26th Laureus World Sports Awards held in Madrid in April 2026?

A. Carlos Alcaraz



B. Rafael Nadal

C. Jannik Sinner

D. Novak Djokovic



Q91 Missile Tests & Systems

What is the name of India's first 300-km universal rocket system inaugurated by Defence Minister Rajnath Singh in May 2026 at Shirdi?

- A. Brahmastra
- B. Bhimastra
- C. Shivastra
- D. Suryastra



Q92 New Apps & Portals

The SHe-Box platform highlighted in government communications during 2026 is primarily associated with the implementation of which legislation?

- A. Prohibition of Child Marriage Act, 2006
- B. Dowry Prohibition Act, 1961
- C. Sexual Harassment of Women at Workplace Act, 2013
- D. Protection of Women from Domestic Violence Act, 2005



Q93 New Schemes & Programs

Which of the following initiatives by the Ministry of New and Renewable Energy was highlighted as a key milestone in India's transition to clean energy during the International Sun Day event in May 2026?

- A. Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyan
- B. PM Surya Ghar: Muft Bijli Yojana
- C. National Hydrogen Mission
- D. Green India Mission



Q94 New Schemes & Programs

According to the Phase II expansion of the SOAR Programme announced in March 2026, what was the principal focus of the programme?

- A. Expansion from apprenticeship training to advanced manufacturing certification pathways
- B. Shift from digital learning modules to institution-based vocational training pathways
- C. Replacement of credit-based learning with sector-specific certification pathways
- D. Transition from foundational AI awareness to industry-oriented skill certification pathways



Q95 Rate Changes

Which institutional body of the Reserve Bank of India decided to reduce the repo rate to 5.25 per cent in December 2025?

- A. Governor's Office
- B. Board of Directors
- C. Monetary Policy Committee
- D. Financial Stability Unit



Q96 Recent Awards & Honors

In January 2026, Group Captain Shubhanshu Shukla was honoured with which of the following gallantry awards?

- A. Param Vir Chakra
- B. Shaurya Chakra
- C. Ashok Chakra
- D. Kirti Chakra



Q97 Recent Tournaments

Which prominent tennis player won the 2026 Australian Open women's singles title by overcoming Aryna Sabalenka in a three-set final?

- A. Jessica Pegula
- B. Madison Keys
- C. Iga Świątek
- D. Elena Rybakina



Q98 Recent Tournaments

Which team won the AIFF Elite Youth League 2025-26 title?

- A. Jamshedpur FC
- B. Reliance foundation
- C. Punjab FC
- D. Zinc Football Academy



Q99 Recent Tournaments

In May 2026, India's recurve women's team won gold at Archery World Cup Stage-2 by defeating which country in the final?

- A. Korea
- B. Mexico
- C. China
- D. Japan



Q100 Science & Technology Current Affairs

In October 2025, India announced the development of its first indigenously discovered antibiotic effective against drug-resistant respiratory infections. What is the name of this antibiotic?

A. Azithromycin

B. Nafithromycin



C. Clarithromycin

D. Rifampicin



General Science

25 Questions · Answer Key

Q1 Atomic Structure & Models

According to Bohr's model of an atom, which of the following statements is INCORRECT about discrete orbitals of electrons?

- A. while revolving in discrete orbits, the electrons do not radiate energy
- B. discrete orbits of electrons are certain special orbits that are allowed inside the atom
- C. discrete orbits are also called as energy levels
- D. while revolving in discrete orbits, the electrons radiate energy exponentially ✓

Q2 Atomic Structure & Models

J.J. Thomson's experimental model proposes the:

- A. Discovery of neutrons
- B. Discovery of electrons ✓
- C. Discovery of nucleus
- D. Discovery of protons

Q3 Atoms & Molecules

Which statement correctly explains the term atomicity with reference to molecules of elements?

- A. It is the total mass of atoms present in one molecule
- B. It is the number of shells present in an atom
- C. It is the number of electrons in an element
- D. It is the number of atoms present in one molecule ✓

Q4 Basic Organic Chemistry

For the compound $\text{CH}_3\text{-CH}_2\text{-CHO}$, what is its correct IUPAC name?

- A. Propanone
- B. Propanol
- C. Propanoic acid
- D. Propanal ✓

Q5 Biodiversity & Conservation

A science student is asked to explain why the Indian landscape supports high biodiversity. Which explanation best integrates the concepts of habitat diversity and endemism?

- A. Varied habitats create conditions for many endemic species ✓
- B. Single climate promotes species uniformity
- C. Focusing only on deserts enhances diversity
- D. Exclusive agriculture increases species variety

Q6 Circulatory System (Heart, Blood)

What is the main purpose of having different chambers in the human heart?

- A. To pump blood exclusively toward the lungs for gaseous exchange
- B. To maintain the steady blood pressure throughout the systemic veins
- C. To provide storage for excess blood during periods of rest
- D. To prevent mixing of oxygen-rich and carbon dioxide-rich blood ✓

Q7 Current Electricity (Ohm's Law, Circuits)

If two resistors of $4\ \Omega$ and $6\ \Omega$ are connected in parallel, the equivalent resistance will be:

- A. Less than $4\ \Omega$ ✓
- B. Greater than $6\ \Omega$
- C. Between $4\ \Omega$ and $6\ \Omega$
- D. Equal to $10\ \Omega$

Q8 Current Electricity (Ohm's Law, Circuits)

A student wants to design a device that maximizes heat production for a given battery and time. Which configuration should the student choose?

- A. Use a resistor with the highest possible resistance value
- B. Short-circuit the battery with zero resistance
- C. Add more batteries without changing resistance
- D. Use a resistor with very low resistance value ✓



Q9 Ecosystem & Food Chain

In a food chain: Grass → Grasshopper → Frog → Snake → Eagle, the accumulation of DDT will be highest in _____.

- A. Frog
- B. Eagle ✓
- C. Grass
- D. Grasshopper

Q10 Five Kingdom Classification

A medical laboratory detects bacteria in a patient's sample. According to the historical development of classification systems, in which kingdom would bacteria have been placed immediately after the three kingdom system was introduced?

- A. Monera
- B. Animalia
- C. Protista ✓
- D. Plantae

Q11 Human Body & Physiology

A patient suffers from repeated skin infections after severe damage to the outer body covering. Which tissue has most likely been affected?

- A. Connective tissue
- B. Muscular tissue
- C. Epithelial tissue ✓
- D. Nervous tissue

Q12 Mechanics

What does the displacement vector represent in two-dimensional motion?

- A. The average speed of the object
- B. The distance traveled along the path
- C. The path followed by the object
- D. The change in position from the initial point to the final point ✓

Q13 Mirrors & Lenses

A convex lens forms a real image 30 cm from its optical centre. The object is placed 20 cm away from the lens. Using the sign convention, what is the correct sign and value for the focal length of the lens?

- A. -60 cm
- B. -12 cm
- C. +60 cm
- D. +12 cm ✓

Q14 Nervous System & Brain

Identify the FALSE statement related to the nervous tissue.

- A. Nerve impulses are signals that are transmitted along nerve fibres.
- B. Nervous tissue includes the spinal cord.
- C. An axon is a single, long section of nervous tissue.
- D. The cells of nervous tissue are referred to as nephrons. ✓

Q15 Newton's Laws of Motion

If the mass of a body is doubled and acceleration remains constant, the force will:

- A. Become half
- B. Become double ✓
- C. Become four times
- D. Remain the same

Q16 Physical & Chemical Properties

Which of the following physical properties is true for metals?

- A. Metals are poor conductors of heat
- B. Metals are lustrous and good conductors of electricity ✓
- C. Metals are brittle and break easily
- D. Metals are solid at room temperature

Q17 Plant Tissues & Transport

What is the primary mechanism by which sucrose moves into phloem tissue in plants?

- A. Osmosis through a semi-permeable membrane
- B. Facilitated diffusion via carrier proteins
- C. Simple diffusion along the gradient
- D. Active transport with energy from ATP ✓



Q18 Pollution (Air, Water, Soil, Noise)

Which action taken by us can directly reduce biological magnification?

- A. Washing the food grains thoroughly before use
- B. Eating meat rather than food grains
- C. Burning crop residues after harvesting
- D. Reducing the use of chemical pesticides on crops ✓

Q19 Properties & Tests

Which common feature of hydrochloric acid and sodium hydroxide solutions explains both their ability to change the pH of water and to conduct electricity?

- A. Both have a pH less than 7.
- B. Both produce ions in aqueous solution. ✓
- C. Both have a sour taste.
- D. Both turn blue litmus red.

Q20 Reflection & Refraction

A diamond has an absolute refractive index of 2.42. If the speed of light in vacuum is 3×10^8 m/s, which value best estimates the speed of light in diamond?

- A. 1.24×10^8 m/s ✓
- B. 1.5×10^8 m/s
- C. 2×10^8 m/s
- D. 1×10^8 m/s

Q21 Soaps & Detergents

Why is soap less effective in hard water?

- A. Soap becomes acidic
- B. Soap evaporates quickly
- C. Soap forms insoluble scum ✓
- D. Soap loses polarity

Q22 Types (Combination, Decomposition, etc.)

What fundamental change distinguishes a decomposition reaction from other types of chemical reactions?

- A. One element replaces another element
- B. Two substances combine to form one
- C. One compound breaks into simpler substances ✓
- D. Ions exchange places in solution

Q23 Wave Properties (Frequency, Wavelength)

What forms the compressions and rarefactions in a sound wave traveling through air?

- A. Particles in the air permanently collide and stick together
- B. Particles in the air move in a spiral pattern as the wave passes
- C. Particles in the air bunch together and spread apart alternately ✓
- D. Particles in the air maintain equal spacing at all times

Q24 Work, Energy & Power

A roller coaster car is at the highest point of its track and is about to descend. If the mass of the car and its passengers is doubled while keeping the height and gravity constant, how does the gravitational potential energy at the top compare to the original scenario?

- A. The gravitational potential energy is quadrupled
- B. The gravitational potential energy is unchanged
- C. The gravitational potential energy is doubled ✓
- D. The gravitational potential energy is halved

Q25 Work, Energy & Power

The numerical value of an object's potential energy is measured in which SI unit?

- A. Pascal (Pa)
- B. Watt (W)
- C. Joule (J) ✓
- D. Newton (N)



Q26 Annual Compounding

Pravin has ₹1,701, which he divides between his two sons, Rishi and Shan. He asks them to invest their respective shares at a compound interest rate of 10% per annum, compounded annually. It is observed that Rishi's investment after 17 years equals Shan's investment after 18 years. Find the amount (in ₹) that Pravin gave to Rishi.

A. 910

B. 891

C. 741

D. 810

Q27 Basic TSD

A car moving at a uniform speed covers a certain distance in 5 hours. If the speed had been 10 km/hr more, it would have taken 1 hour less. Find the actual speed of the car.

A. 42 km/hr

B. 45 km/hr

C. 37 km/hr

D. 40 km/hr

Q28 Cost with Overhead Expenses

Arvind bought an article for ₹x. He sold it to Biru at a loss of 5%. Biru spent ₹152 on its transportation and sold it to Minu at a profit of 56%. If Minu bought it for ₹1,482, then what is the value of x?

A. 820

B. 880

C. 840

D. 860

Q29 Find Principal

A sum of money amounts to ₹56,000 in 5 years at 20% simple interest per annum. The sum (in ₹) is:

A. 28,000

B. 31,000

C. 35,000

D. 25,000

Q30 Finding HCF

Find the HCF of 6, 33, 42, 114, 210.

A. 1

B. 7

C. 2

D. 3

Q31 HCF/LCM Word Problems

The HCF and LCM of two numbers are 16 and 96, respectively. If one of the numbers is 48, then the other number is:

A. 28

B. 34

C. 30

D. 32

Q32 Half-Yearly Compounding

Find the compound interest on ₹81,250 in one and half years at 8% per annum, the interest being compounded half-yearly.

A. ₹10,345.40

B. ₹10,145.20

C. ₹10,245.30

D. ₹10,045.10

Q33 Laws of Indices

Given that $39^{0.66} = x$, $39^{0.23} = y$ and $x^z = y^2$, then the value of z is close to:

A. 0.64

B. 0.69

C. 1.62

D. 0.12



Q34 Mean of Grouped Data

The marks obtained by 30 students of tenth class in a school in mathematics paper consisting of 100 marks are presented in the following table. Find the arithmetic mean of the data.

Class interval	No. of students
10 – 25	2
25 – 40	3
40 – 55	7
55 – 70	6
70 – 85	6
85 – 100	6

A. 76

B. 65

C. 72

D. 62

Q35 Melting & Recasting

Three metal cubes with edges 3 cm, 4 cm, and 5 cm, respectively, are melted to form a single large cube. This new cube is then cut into two identical cuboids by a plane parallel to one of its faces. What is the ratio of the total surface area of the three original cubes to the total surface area of the two new cuboids?

A. 24 : 25

B. 25 : 24

C. 5 : 4

D. 50 : 49

Q36 Multiple Pipes

Pipe A can fill a tank in 3 hours, pipe B can fill the same tank in 18 hours and pipe C can fill the same tank in 9 hours. The time taken (in hours) by them to fill half of the same tank if they operate together is:

A. 1

B. 2

C. 4

D. 3

Q37 Population Based Problems

What is the percentage increase in the population of a town that increases from 70,000 to 71,435 in a year?

A. 2.15%

B. 2.05%

C. 2.0%

D. 2.25%

Q38 Proportion

If 15, 45, 24 are the first three terms of a proportion, find the fourth term.

A. 72

B. 68

C. 75

D. 74

Q39 Proportion

Find the value of x if 1.2, 1.8, 2.7 and x are in proportion.

A. 3.55

B. 4.55

C. 4.05

D. 3.05

Q40 Successive Discount

The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 13% and 60%, shop II allows successive discounts of 56% and 12%, shop III allows successive discounts of 60% and 28% and shop IV allows successive discounts of 33%, 16%, and 89% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

A. III

B. IV

C. I

D. II

Q41 Surface Area (TSA/LSA)

The length and breadth of a cuboid are equal and its height is 32 cm. If the volume of the cuboid is 2048 cm^3 , the surface area (in cm^2) of the cuboid is:

A. 1152

B. 1225

C. 1296

D. 1024

Q42 Two Persons Age Relation

Eight years hence, Rajeev's age will be twice the age of Sumit. Four years ago, he was six times as old as Sumit. Find Sumit's age 10 years from now.

A. 16 years

B. 17 years

C. 19 years

D. 21 years



Q43 Two Successive Changes

A store raises the price of a jacket from ₹1,200 to ₹1,440, then offers a discount that reduces the price to ₹1,296. What is the overall percentage change from the original price to the final price?

- A. 10% increase
- B. 8% increase ✓
- C. 10% decrease
- D. 8% decrease

Q44 Two Trains Crossing

A train, 320 m in length, running at a speed of 62 km/hr takes 16 seconds to cross another train running at a speed of 46 km/hr in the opposite direction on parallel lines. Find the length (in m) of the second train.

- A. 200
- B. 220
- C. 180
- D. 160 ✓

Q46 Building/Tower Problems

A building stands on level ground and a vertical flagstaff is fixed at the top of the building. From a point on the ground that is 30 m away from the foot of the building, the angle of elevation of the top of the building is 30° , while the angle of elevation of the top of the flagstaff is 60° . Find the height (in m) of the flagstaff.

- A. $\frac{40}{\sqrt{3}}$
- B. $40\sqrt{3}$
- C. $20\sqrt{3}$ ✓
- D. $60\sqrt{3}$

Q47 Mean of Grouped Data

What is the value of $(5x + 3y)$, if the mean of the following distribution is 66?

Class	0-20	20-40	40-60	60-80	80-100	Total
Frequency	7	20	x	8	y	85

- A. 166
- B. 159
- C. 141
- D. 156 ✓

Q45 Water-Milk Problems

A container contains 26 litres of milk. From this container, 13 litres of milk was taken out and replaced by water. The process was further repeated one time. How much milk is now there in the container?

- A. 5.5 litres
- B. 3.5 litres
- C. 4.5 litres
- D. 6.5 litres ✓



Q48 Parallel Lines & Transversal

AA' and BB' are two parallel straight lines. CC' is a transversal line intersecting AA' and BB' at the
If $\angle B'EC' = 127^\circ$ and $\angle CDA' = (7x - 3)^\circ$, then what is the value of x ?

A. 6

B. 5

C. 8



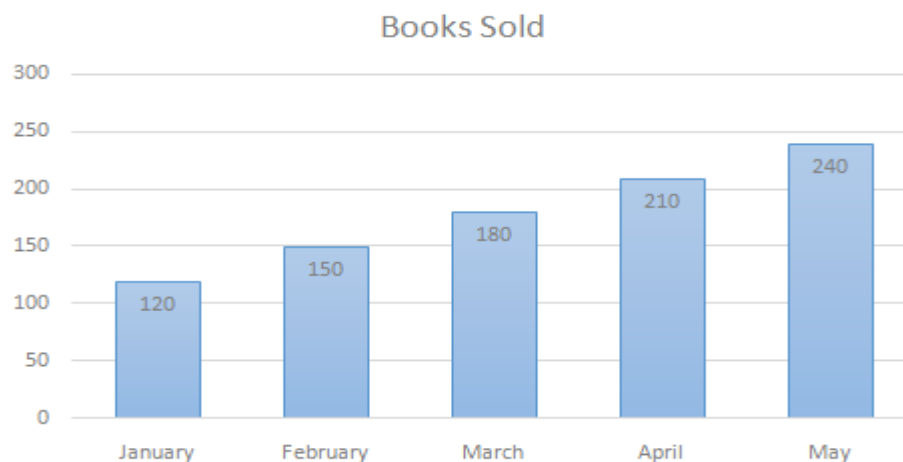
D. 7

Q49 Pythagorean Identities

If $\cot A = \frac{P}{Q}$ and A is an acute angle, find the value of $\frac{1}{2}(P \sec A + Q \operatorname{cosec} A)^2$.

A. $\sqrt{P^2 + Q^2}$ B. $(P^2 + Q^2)$ C. $\frac{(P^2 + Q^2)}{2}$ D. $2(P^2 + Q^2)$ **Q50** Single Parameter

The given bar graph data shows the number of books sold by a store in different months. What is the increase in the number of books sold from January to May?



A. 140

B. 130

C. 120



D. 125



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Q51 Alpha-Numeric Series

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

(Left) H R I F K R L L J W K L G O Q Q G Q X M P U (Right)

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

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

**Q52 Alphabetical Pattern**

What should come in place of ? in the given series based on the English alphabetical order?
MTX LSW KRV JQU ?

- A. HPT
- B. HOS
- C. IPT
- D. IOV

**Q53 Both Needed Together**

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Among 5 Sticks, U, R, N, S and T each having a different height, which Stick is the shortest?

(I) T is taller than only two Sticks. S is taller than T but shorter than N

(II) U is taller than R

- A. Both statements I and II together are NOT sufficient to answer the question
- B. Data in Statement II alone is sufficient to answer the question while data in statement I is not
- C. Both statements I and II together (and not statement 1 alone or statement II alone) are sufficient to answer the question.
- D. Data in Statement I alone is sufficient to answer the question while data in statement II is not

**Q54 Facing Center**

Seven students, I, J, K, P, Q, R and Z, are sitting around a circular table, facing the center of the table.

Only three people sit between K and Q. Only two people sit between K and R when counted from the right of K. Only two people sit between R and J. Z sits to the immediate left of I.

Who sits fourth to the left of P?

- A. I
- B. Z
- C. R
- D. K

**Q55 Floor/Building Arrangement**

Seven boxes I, J, K, Q, R, S and T are kept one over the other but not necessarily in the same order. Only two boxes are kept between J and I. Only K is kept above R. Only four boxes are kept between R and I. Q is kept at some place below S but at some place above T.

Which box is kept second above T?

- A. S
- B. J
- C. Q
- D. I

**Q56 Floor/Building Arrangement**

A, G, H, P, S and Y live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on, till the topmost floor, which is numbered 6.

Only two people live between P and S. Only G lives above H. Y lives on an even numbered floor. P lives on the lowermost floor.

How many people live between A and G?

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



Q57 Floor/Building Arrangement

S, T, U, V, Y and Z live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on, till the topmost floor, which is numbered 6.

Only T lives above S. Y lives immediately below S. Only U lives below Z.

Who lives on floor number 3?

A. Z

B. U

C. V

D. S

Q58 Letters in a Given Word

This question is based on the following words.

FON MEN OPS PVT

In each of the words, each vowel 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. In how many letter-clusters thus formed, will no vowel appear?

A. Three

B. One

C. Two

D. Four

Q59 Letters in a Given Word

This question is based on the following words.

BAS HIS JEM BOL

In each of the words, each vowel 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. In how many letter-clusters thus formed, will no vowel appear?

A. Four

B. One

C. Two

D. Three

Q60 Letters in a Given Word

Each vowel in the word COLLEGE 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 be third from the left in the new group of letters thus formed?

A. K

B. P

C. B

D. F

Q61 Missing Number

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

141 118 96 75 55 ?

A. 36

B. 46

C. 43

D. 32

Q62 Multiple Turns

Priyanshu starts from Point A and drives 17 km towards the south. He then takes a right turn, drives 12 km, turns right and drives 24 km. He then takes a right turn and drives 19 km. He takes a final right turn, drives 7 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 9 km to the west

B. 9 km to the east

C. 7 km to the west

D. 7 km to the east

Q63 Operation Based

21 is related to 86 following a certain logic. Following the same logic, 29 is related to 118. To which of the following is 33 related, following the same logic?

(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 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.)

A. 134

B. 130

C. 132

D. 136



Q64 Operation Based

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 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.)

101 – 90

43 – 32

A. 82 – 71



B. 65 – 55

C. 99 – 89

D. 47 – 37

Q65 Operation Based Coding

In a certain code language "DPKA" is coded as "44" and "QZGK" is coded as "73". What is the code for "RZOI" in the given language?

A. 69

B. 71

C. 88

D. 80

**Q66 Operator Swap**

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

$$1125 - 5 \div 314 + 224 \times 4 = ?$$

A. 5183

B. 5883



C. 5381

D. 5533

Q67 Operator Swap

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

$$26 - 6 \div 34 + 40 \times 8 = ?$$

A. 195

B. 155

C. 185



D. 135

Q68 Operator Swap

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

$$2 \div 6 \times 15 + 3 - 5 = ?$$

A. 13

B. 14

C. 15

D. 12

**Q69 Pattern Based**

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: RSU :: HIK : %

A. # = NOQ, % = LKO

B. # = NOQ, % = LUO

C. # = NOQ, % = LMO



D. # = NOQ, % = LSD

Q70 Pattern Based

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: TNQ :: SMP : %

A. # = QUI, % = BVS

B. # = ION, % = VDF

C. # = QQN, % = VPP

D. # = QKN, % = VPS

**Q71 Pattern Based**

TQ 13 is related to YV 6 in a certain way. In the same way, LI 18 is related to QN 11. To which of the following is NK 22 related to following the same logic?

A. QN 18

B. SQ 15

C. SP 15



D. TQ 13



Q72 Position Pattern

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. EF – IM



B. RS – WX

C. VW – AB

D. AB – FG

Q73 Position Pattern

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the 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. EAW

B. LHD

C. TPL

D. HEZ

**Q74 Rearrangement of Letters**

Each letter in the word CONCEPT is arranged in the English 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. 2

B. 1



C. 3

D. 0

Q75 Single Row (One-way/Both-way)

Seven people, D, H, J, L, S, T and Y, are sitting in a row, facing the north.

Only two people sit between S and J. Only L sits to the right of H. Only one person sits between J and H. D sits at some place to the right of T but at some place to the left of Y. How many people sit to the left of H?

A. Three

B. Four

C. Two

D. Five

**Q76 Symbol Based**

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'.

How is S related to N if ' $S + E - W \times T \div N$ '?

A. Sister

B. Mother's mother

C. Mother's sister



D. Mother

Q77 Symbol Based

In a certain code language,
 $A + B$ means 'A is the mother of B',
 $A - B$ means 'A is the brother of B',
 $A \times B$ means 'A is the wife of B',
 $A \% B$ means 'A is the father of B' and
 $A \# B$ means 'A is the daughter of B'.

How is Yk related to Eq if ' $Eq - Vc + Tg \# Yk \% Np$ '?

A. Wife's brother

B. Mother's brother

C. Sister's daughter

D. Sister's husband

**Q78 Symbol Included Pattern**

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

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

How many such symbols 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



Q79 Symbol Included Pattern

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

(Left) P C ? J 8 * \ & / W ? 3 6 R M G V R 4 T M Z J S (Right)

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

A. One



B. Two

C. None

D. Three

Q80 Two Statement Syllogism

Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion/s logically follow/s from the given statements

Statements: Some fishes are whales. No whale is an octopus.

Conclusion (I) : Some fishes are octopuses

Conclusion (II) : Some whales are fishes

A. Both conclusions I and II follow

B. Only conclusion II follows



C. Neither conclusion I nor II follows

D. Only conclusion I follows

General Awareness

20 Questions • Answer Key

Q81 Civilian Awards

Ms. N Rajam, honoured with the Padma Vibhushan in May 2026, was awarded in which of the following categories?

A. Art



B. Sports

C. Medicine

D. Literature

Q82 Civilian Awards

Which actor was conferred with Padma Bhushan award in the field of art in the year 2026?

A. Mammooty



B. Govinda

C. Joseph Vijay

D. Pawan Kalyan

Q83 Defense & Technology

In which of the following cities was DEF-TECH Bharat 2026 organized in May 2026?

A. Hyderabad

B. Bengaluru



C. Chennai

D. Pune

Q84 Digital India Updates

In February 2026, the India AI Impact Summit emphasized making every citizen "AI-ready". What was the main objective of this initiative?

A. Restricting internet services in rural areas

B. Promoting digital skills and technology access



C. Increasing dependence on imported software

D. Replacing communication networks with satellites

Q85 Environment Current Affairs

According to the NITI Aayog study titled "Scenarios Towards Viksit Bharat and Net Zero", India aims to achieve Net Zero greenhouse gas emissions by what target year?

A. 2060

B. 2047

C. 2070



D. 2050

Q86 Finance Commission

Who was the head of the 16th Finance Commission, whose report was tabled in Parliament in February 2026?

A. Arvind Panagariya



B. Montek Singh Ahluwalia

C. Ashok Lahiri

D. Sanjay Malhotra



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Q87 Government Policies & Schemes

Under which scheme did the Ministry of Minority Affairs sign a Memorandum of Understanding with IIT Patna in April, 2026, to provide training in Artificial Intelligence and Business Analytics to minority youth from Bihar?

A. Seekho Aur Kamao Scheme

B. Nai Manzil Scheme

C. PMJVK Scheme

D. PM VIKAS Scheme

**Q88 HDI, GHI, etc.**

Which country topped the World Happiness Report 2026 (released in March 2026)?

A. Denmark

B. Switzerland

C. Netherlands

D. Finland

**Q89 Key Announcements**

According to the Union Budget 2026–27, the newly proposed "Khelo India Mission" aims to transform India's sports ecosystem over what period of time?

A. Next five years

B. Next seven years

C. Next ten years



D. Next fifteen years

Q90 Key Announcements

Which scheme announced in the Union Budget 2026–27 was specifically aimed at creating globally competitive industrial ecosystems?

A. Integrated Freight Infrastructure Mission

B. National Logistics Competitiveness Programme

C. Container Manufacturing Scheme



D. Bharat Export Connectivity Initiative

Q91 Military Exercises

Which edition of the India-Australia joint military exercise "AUSTRALIND" was conducted at Perth, Australia, in October 2025?

A. Third edition

B. Second edition

C. Fifth edition

D. Fourth edition

**Q92 New Parks & Reserves**

Which of the following bird sanctuaries was added to the Ramsar sites list in April 2026?

A. Nandur Madhmeshwar Bird Sanctuary

B. Shekha Jheel Bird Sanctuary



C. Vedanthangal Bird Sanctuary

D. Bhitarkanika Bird Sanctuary

Q93 New Schemes & Programs

What was the name of the nationwide initiative under which the Ministry of Women and Child Development conducted a 100-Day Campaign from November 27, 2025 to March 8, 2026?

A. Bal Vivah Mukht Bharat



B. Mission Shakti

C. POSHAN Abhiyaan

D. Beti Bachao Beti Padhao

Q94 New Schemes & Programs

Ministry of Education, government of India, launched PMRC scheme in June 2026 to attract Indian-origin researchers, scientists, and innovators from across the world. What is the full form of PMRC?

A. Prime Minister Research Channel

B. Prime Minister Research Conference

C. Prime Minister Research Chair



D. Prime Minister Research Center

Q95 Olympics, CWG, Asian Games

The 2026 Asian Beach Games (in April 2026) were held in which Chinese city?

A. Sanya



B. Qingdao

C. Shenzhen

D. Haikou

Q96 Olympics, CWG, Asian Games

Which country topped the medal table at the 2026 Winter Olympics held in Milan and Cortina d'Ampezzo, Italy (February 6–22)?

A. United States

B. Italy

C. Germany

D. Norway



Q97 Policy Changes & Amendments

Which of the following bills was introduced in the Rajya Sabha during the 2026 Budget Session?

- A. The Central Armed Police Forces (General Administration) Bill, 2026 ☒
- B. The Corporate Laws (Amendment) Bill, 2026
- C. The Industrial Relations Code (Amendment) Bill, 2026
- D. The Foreign Contribution (Regulation) Amendment Bill, 2026

Q98 Recent Tournaments

From March 8 to March 13, 2026, which country hosted the World Para Athletics Grand Prix 2026?

- A. Brazil
- B. Japan
- C. India ☒
- D. Canada

Q99 Recent Tournaments

Which country's Badminton duo did Satwiksairaj Rankireddy and Chirag Shetty of India defeat and won the Singapore Open 2026 men's doubles title?

- A. China
- B. Malaysia
- C. Japan
- D. Indonesia ☒

Q100 Science & Technology Current Affairs

SCORP, the legged mobile manipulator developed by xTerra Robotics, was incubated at which academic institution in 2026?

- A. IIT Delhi
- B. IIT Roorkee
- C. IIT Kanpur ☒
- D. IIT Madras



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General Science

25 Questions • Answer Key

Q1 Acids, Bases & Salts

Salts of a strong acid and a strong base are generally:

- A. neutral ✓
- B. basic
- C. acidic
- D. amphoteric

Q2 Atoms & Molecules

A student is asked to calculate the formula unit mass of barium nitrate ($\text{Ba}(\text{NO}_3)_2$). What should be the student's first step ?

- A. Find the atomic number of barium
- B. Find the molecular mass of nitrate only
- C. Find the elements in the formula. ✓
- D. Find the atomic mass of barium only

Q3 Atoms & Molecules

Which of the following does not exist as a diatomic molecule?

- A. Hydrogen
- B. Sulphur ✓
- C. Chlorine
- D. Nitrogen

Q4 Basic Organic Chemistry

Read the following two statements carefully and choose the correct option:

Statement I: Ethanol on oxidation with alkaline potassium permanganate gives ethanoic acid.

Statement II: Oxidation of ethanol involves the removal of hydrogen atoms and addition of oxygen.

Which of the following is correct?

- A. Only statement I is correct.
- B. Both statements are correct, and Statement II explains Statement I. ✓
- C. Both statements are correct, but Statement II does not explain Statement I.
- D. Only statement II is correct.

Q5 Biology

Which of the following statements best describes why visible movement alone cannot define whether a plant is alive?

- A. Only animals can be alive without visible movement.
- B. Visible movement is always present in living organisms.
- C. Plants may be alive even without visible growth or movement. ✓
- D. All living things must show visible movement to be alive.

Q6 Cell Structure & Organelles

Which organelle is primarily responsible for aerobic respiration in animal cells?

- A. Mitochondria ✓
- B. Ribosome
- C. Endoplasmic reticulum
- D. Nucleus

Q7 Current Electricity (Ohm's Law, Circuits)

A heater is rated at 220 V and 1000 W. If it is connected to a 110 V supply, what will be the power consumed by the heater?

- A. 250 W ✓
- B. 500 W
- C. 200 W
- D. 1000 W

Q8 Ecology & Environment

Which of the following sequence **CORRECTLY** represents the movement of water in nature?

- A. Evaporation → Precipitation → Condensation
- B. Precipitation → Runoff → Evaporation
- C. Condensation → Precipitation → Evaporation
- D. Evaporation → Condensation → Precipitation ✓



Q9 Endocrine System (Hormones & Glands)

Which hormone controls the blood sugar level in the body?

- A. Adrenaline
- B. Thyroid hormone
- C. Growth hormone
- D. Insulin



Q10 Excretory System (Kidney)

What are the names of the closely spaced filtration units in each kidney?

- A. Tubules
- B. Neurons
- C. Glomerulus
- D. Nephrons



Q11 Food Preservation (Chemical)

A packet of potato chips is filled with nitrogen gas before sealing. What is the main reason for using nitrogen in the packet?

- A. Nitrogen prevents oxidation of oils and fats
- B. Nitrogen increases the crispness of chips
- C. Nitrogen removes moisture from chips
- D. Nitrogen reacts with oil to stabilize it



Q12 Human Body & Physiology

Epithelial tissue is separated from the underlying tissue by a fibrous extracellular layer known as:

- A. Connective matrix
- B. Basement membrane
- C. Cell wall
- D. Cytoplasm



Q13 Hydrocarbons (Methane, Ethane, etc.)

Which of the following statements correctly explains why saturated hydrocarbons burn with a blue flame, while unsaturated hydrocarbons tend to burn with a yellow, sooty flame?

- A. Unsaturated hydrocarbons contain more oxygen, which leads to incomplete combustion.
- B. Saturated hydrocarbons react with nitrogen in the air to prevent soot formation.
- C. Saturated hydrocarbons have weaker bonds, so they burn more completely.

- D. Unsaturated hydrocarbons have a higher carbon-to-hydrogen ratio, leading to incomplete combustion and soot formation.



Q14 Magnetic Effects of Current

Which statement best describes the application of the Right Hand Thumb Rule to a straight current-carrying conductor?

- A. Thumb points in current direction, fingers curl in magnetic field direction
- B. Left hand is used for current, right for magnetic field
- C. Fingers point in current direction, thumb curls in magnetic field direction
- D. Thumb points in magnetic field direction, fingers curl in current direction



Q15 Mechanics

Which statement best describes the difference between path length and displacement for an object moving in a straight line and returning to its starting point?

- A. Path length is either equal to or greater than displacement
- B. Path length is always equal to displacement
- C. Displacement is always negative
- D. Displacement is greater than path length



Q16 Mechanics

Which quantity does linear velocity describe in the context of motion?

- A. The amount of force applied
- B. The rate of change of position along a straight path
- C. The total distance covered in all directions
- D. The direction of motion only



Q17 Mechanics

Consider the following statements about simple machines.

1. Help lift heavy loads.
2. Can increase the distance through which effort acts.
3. May change the direction of force.
4. Violate the law of conservation of energy.

Which of the above statements are correct?

- A. 1 and 4 only
- B. 1, 2, 3 and 4
- C. 1, 2 and 3 only
- D. 2 and 3 only



Q18 Mirrors & Lenses

A lens forms an image three times larger than the object. If the image is erect, what is the magnification?

- A. -0.33
- B. -3
- C. + 3
- D. + 0.33

**Q19 Mirrors & Lenses**

A convex mirror has a radius of curvature of 50 cm. A parallel beam of light strikes the mirror. At what distance from the pole does the reflected beam appear to diverge?

- A. 10 cm behind the mirror
- B. 25 cm behind the mirror
- C. 25 cm in front of the mirror
- D. 50 cm in front of the mirror

**Q20 Mixtures, Solutions, Colloids**

Which of the following CANNOT be separated by ordinary filtration?

- A. Suspension
- B. Mixture of sand and water
- C. True solution
- D. Colloidal solution

**Q21 Photosynthesis**

Marine organisms like phytoplankton use dissolved CO₂ in ocean water for the process of _____.

- A. Combustion
- B. Respiration
- C. Photosynthesis
- D. Decomposition

**Q22 Physical & Chemical Properties**

Which of the following conditions accelerate the corrosion of metals the most?

- A. Pure water and sunlight
- B. Dry air and low temperature
- C. Moist air and presence of salts or acids
- D. Vacuum and darkness

**Q23 Skeletal & Muscular System**

The cells of the cartilage are known as _____.

- A. Osteocytes
- B. Chondrocytes
- C. Fibroblasts
- D. Adipocytes

**Q24 Wave Properties (Frequency, Wavelength)**

If a sound wave has a wavelength of 0.5 m and travels at 250 m/s, what is its frequency?

- A. 125 Hz
- B. 500 Hz
- C. 1000 Hz
- D. 250 Hz

**Q25 Work, Energy & Power**

If two objects have the same velocity, which one will have more kinetic energy?

- A. The one with brighter color
- B. The one with greater mass
- C. The one with a different shape
- D. The one with larger size

**Mathematics**

25 Questions • Answer Key

Q26 Annual Compounding

If the population of a city was 42,500 and it grew at a rate of 2% per annum compounded annually, what would the population be after 2 years?

- A. 40,400
- B. 44,217
- C. 40,800
- D. 41,616

**Q27 Basic CI Calculation**

A certain sum amounts to ₹31,944 at a compound interest rate of 15% per annum in 2 years, with interest compounded every 8 months. What will be the amount payable (in ₹) on the same sum at the same rate and for the same time, if the interest is compounded yearly?

- A. 31,740
- B. 32,113
- C. 33,001
- D. 32,510



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Q28 Basic TSD

A man travels from P to Q at v km/h and returns at $(v + 10)$ km/h. If the total time for the round trip is 9 hours and the distance between P and Q is 200 km, find v .

- A. 45 km/h
- B. 30 km/h
- C. 35 km/h
- D. 40 km/h

**Q29 Basic TSD**

Kaushal travelled for 12 hours 55 minutes at the speed of 24 km/h. At what speed (in km/h) should he travel to cover the same distance in 5 hours?

- A. 62
- B. 65
- C. 60
- D. 61

**Q30 Combined Work Rate**

A and B together can complete a work in 2 days. If A works for 1 day and B works for 4 days, the work is completed. How long would B alone take to complete the work?

- A. 10 days
- B. 6 days
- C. 4 days
- D. 8 days

**Q31 Composite 3D Shapes**

From a solid cube of side 24 cm, a cuboidal cavity of square cross-section of side 9 cm is hollowed along one surface from one edge to the opposite edge. What is the volume (in cm^3) of the remaining solid?

- A. 12055
- B. 8640
- C. 11880
- D. 13095

**Q32 Cost with Overhead Expenses**

Arvind bought an article for ₹ x . He sold it to Biru at a loss of 30%. Biru spent ₹130 on its transportation and sold it to Minu at a profit of 50%. If Minu bought it for ₹1,287, then what is the value of x ?

- A. 1,040
- B. 1,022
- C. 1,044
- D. 1,072

**Q33 Divisibility Rules**

What is the value that must be assigned to A so that the 8-digit number 378A6070 is divisible by 18?

- A. 6
- B. 5
- C. 8
- D. 3

**Q34 Find SI**

Find the simple interest (in ₹) on a sum of ₹500 borrowed for 3.5 years at a rate of interest of 16% per annum.

- A. 260
- B. 280
- C. 380
- D. 330

**Q35 Finding Value from Percentage**

In an election, Candidate A received 60% of the total votes while Candidate B received the remaining votes. If the total votes were 5,000, how many votes did Candidate B receive?

- A. 3,000
- B. 1,500
- C. 2,000
- D. 2,400

**Q36 HCF/LCM Word Problems**

The product of two natural numbers is 1421. Their HCF is 7. Find the ratio of the LCM and HCF of the numbers.

- A. 27:1
- B. 23:7
- C. 29:7
- D. 29:1



Q37 Percentage Increase/Decrease

The income of Raman is ₹12,000. He saves 27% of his income. If his income increases by 20% and expenditure increases by 15%, then his savings will:

A. increase by ₹1,086



B. decrease by ₹1,085

C. increase by ₹1,088

D. decrease by ₹1,089

Q38 Rules for 2,3,4,5,6

Find the smallest number that should be added to 97306 to make it divisible by 6.

A. 3

B. 1

C. 2



D. 0

Q39 Simple Ratio Partnership

Rohit, Pallavi, and Simran invest ₹56,800, ₹36,200 and ₹48,600 in a garment business. If the total profit at the end of the year is ₹5,60,028, find Rohit's share of profit.

A. ₹2,24,800

B. ₹2,24,500

C. ₹2,18,644

D. ₹2,24,644

**Q40 Successive Discount**

The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 23% and 92%, shop II allows successive discounts of 88% and 47%, shop III allows successive discounts of 11% and 28% and shop IV allows successive discounts of 63%, 76% and 86% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

A. III

B. I

C. IV



D. II

Q41 Surface Area (TSA/LSA)

The volume of a cube is equal to the volume of a cuboid whose length, breadth and height are in the ratio of 9:5:2. If the volume of the cube is $11,250 \text{ cm}^3$, find the total surface area of the cuboid.

A. 3780 cm²

B. 3650 cm²



C. 3430 cm²

D. 3520 cm²

Q42 Ungrouped Data Mode

Find the mode of the following data: 2, 4, 4, 6, 7, 8, 4, 6, 7, 4, 4, 5, 6

A. 4



B. 6

C. 7

D. 2

Q43 Weighted Average

The average age of 90 students in a class is 21 years. The average age of 30 of them is 23 years, and that of another 30 is 25 years. What is the average age of the remaining students?

A. 15 years



B. 18 years

C. 17 years

D. 14 years

Q44 $a^2 - b^2$

Simplify: $(2x + 3y)(2x - 3y)$

A. $4x^2 - 9y^2$



B. $4x^2 + 9y^2$

C. $4x^2 - 6xy - 9y^2$

D. $4x^2 + 6xy - 9y^2$



Q45 Basic Ratio

Two numbers are in the ratio 4:7. If the larger number is decreased by 10 and the smaller number is increased by 10, the numbers become equal. What is the original larger number?

A. $48\frac{3}{5}$

B. $46\frac{2}{3}$ ✓

C. $42\frac{1}{3}$

D. $44\frac{2}{5}$

Q46 Building/Tower Problems

A man standing at a point on level ground observes the top of a vertical tower at an angle of elevation of 30° . He then walks straight towards the tower and finds that the angle of elevation of the top becomes 60° . If the height of the tower is 45 m, find the distance walked by the man.

A. $30\sqrt{3}$ m ✓

B. 30 m

C. $60\sqrt{3}$ m

D. 60 m

Q47 Congruence & Similarity

$\Delta ABC \sim \Delta PQR$ and $AB:PQ = 7:9$, then find the ratio of area of ΔABC to the area of ΔPQR .

A. 49:27

B. 45:18

C. 49:81 ✓

D. 49:18

Q48 Mean of Grouped Data

What is the value of $(6x + 9y)$, if the mean of the following distribution is 54?

Class	0-20	20-40	40-60	60-80	80-100	Total
Frequency	2	18	x	6	y	70

A. 309 ✓

B. 311

C. 313

D. 301



Q49 Year-on-Year Comparison

The given pie-charts show the population of villages A, B, C and D (in percentage) in year 2021 and 2022. Total population in 2021 and 2022 is 2,80,000 and 2,75,000 respectively.

Population in 2021**Population in 2022**

Find the ratio between the total population in village B and C together in 2021 to the total population in village C and D in 2022.

A. 11:9

B. 43:41

C. 56:55



D. 27:23

Q50 $\sin^2 + \cos^2 = 1$

If $\sin A = \frac{3}{5}$, and A is an acute angle, then the value of $\cos A$ is:

A. $\frac{1}{5}$

B. $\frac{4}{5}$



C. 1

D. $\frac{2}{5}$



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Q51 Day of Week Assignment

Each of P, Q, R, S, T, U and V has an exam on a different day of the same week, starting from Monday and ending on Sunday. R has an exam on one of the days after Thursday but not on Saturday. Only two people have an exam between R and Q. V has an exam immediately before Q. As many people have an exam before V as after U. P has an exam immediately before T. More than two people have an exam between T and S. Who has an exam on Tuesday?

A. Q

B. P

C. V

D. T

**Q52 Direct Relations**

N is mother of O. O is wife of P. P is brother of Q. How is N related to Q?

A. Sister's Husband's Mother

B. Brother's Wife

C. Wife's Mother

D. Brother's Wife's Mother

**Q53 Floor/Building Arrangement**

A, D, F, G, H and S live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6.

S lives on an even numbered floor but not 6. The sum of floors on which A and S live is 9. The sum of floors on which S and H live is 5. D lives immediately below F. What is the sum of floors on which D and F live?

A. 6

B. 4

C. 7

D. 5

**Q54 Group Pattern**

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

HLK JNM LPO NRQ ?

A. PQS

B. PUR

C. PSR

D. PTS

**Q55 Letter Analogy**

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

QSR-VXW

PRQ-UWV

A. BDC-GIH



B. BCA-GIH

C. BCA-FHG

D. BDC-FIG

Q56 Letter Analogy

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: IKN :: OQT : %

A. # = CEH , % = UDR

B. # = CEH , % = UGT

C. # = CEH , % = UMK

D. # = CEH , % = UWZ

**Q57 Letter Analogy**

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

VYU-XAW

RUQ-TWS

A. XZU-ZCY

B. XZU-YBX

C. XAW-ZCY



D. XAW-YCX



Q58 Letter Series

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

(Left) O E O D J G R E Y Z N A L F V G I X O E X B (Right)

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

A. 3



B. 5

C. 2

D. 4

Q59 Letter to Number Mapping

In a certain code language, 'POTS' is coded as '7462' and 'OILY' is coded as '9536'. How is 'O' coded in that language?

A. 6



B. 3

C. 4

D. 9

Q60 Letters Between Two Positions

This question is based on the given words.

(LEFT) VOW GAP CUT BID (RIGHT)

How many letters are there between the first letter of the second word from the right and the second letter of the first word from the left as per the English alphabetical order?

A. 12

B. 14

C. 11



D. 10

Q61 Letters in a Given Word

This question is based on the given words.

(Left) ION APT ILK ASH (Right)

In each of the words, each vowel 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. In how many letter-clusters thus formed, will no vowel appear?

A. Two

B. Three



C. Four

D. One

Q62 Missing Number

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

49 65 97 145 209 ?

A. 279

B. 289



C. 294

D. 284

Q63 Multiple Turns

Gaurav starts from Point A and drives 22 km towards the north. He then takes a right turn, drives 11 km, turns right and drives 25 km. He then takes a right turn and drives 17 km. He takes a final right turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 5 km to the east

B. 6 km to the west

C. 6 km to the east



D. 5 km to the west



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Q64 Operation Based

Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, a certain mathematical operation on the second number results in the third number. Which of the given options follows the same set of operations as in the question?

(NOTE: A two/three digit number cannot be broken into individual digits for operations. E.g. if 37 is followed by 10, the operation cannot be $3+7$ as a two-digit number cannot be broken into individual digits.)

14 - 182 - 728 ;

17 - 221 - 884

A. 13 - 169 - 667

B. 15 - 195 - 780

C. 11 - 143 - 578

D. 20 - 260 - 980

Q65 Operation Based

Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, certain mathematical operation on the second number results in the third number and so on. Which of the given options follows the same set of operations as in question?

(NOTE - A two/three digit number cannot be broken into individual digits for operations, e.g., if 37 is followed by 10, the operation cannot be $3+7$ as a two digit number cannot be broken into individual digits.)

6 - 10 - 17 - 25 ; 8 - 12 - 21 - 29

A. 13 - 9 - 15 - 23

B. 7 - 11 - 19 - 11

C. 9 - 13 - 29 - 37

D. 10 - 14 - 25 - 33

Q66 Operator Swap

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

$2 \div 1 + 6 \times 3 - 2 = ?$

A. 2

B. 4

C. 8

D. 6

Q67 Operator Swap

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

$55 - 5 + 6 \times 2 \div 4 = ?$

A. 64

B. 70

C. 68

D. 66

Q68 Position Pattern

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

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

A. AS - EX

B. CL - GP

C. QK - UO

D. ND - RH

Q69 Position Pattern

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

A. YQ - SK

B. WO - QI

C. ME - HA

D. TL - NF

Q70 Position from Left/Right

Aman ranked 46th from the top and 70th from the bottom in his class. How many students are there in his class?

A. 116

B. 115

C. 114

D. 113



Q71 Rearrangement of Letters

Each letter in the word BLARING is changed to the letter immediately preceding 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. F

B. J

C. K

D. M **Q72 Rearrangement of Letters**

Each vowel in the word OLYMPICS is changed to the vowel immediately following it as per the English alphabetical order and each consonant is changed to the fourth letter preceding it in the English alphabetical order and then all the letters thus formed are arranged in the English alphabetical order. What will be the 3rd letter from the right end in the new letter-cluster thus formed?

A. T

B. Y

C. M

D. U **Q73 Single Row (One-way/Both-way)**

Six people, C, D, E, O, P and Q, are sitting in a row, facing north.

No one sits to the left of E. Only three people sit between E and Q. Only three people sit to the right of O. D sits to the immediate left of O. P is not an immediate neighbor of O. How many people sit between P and C?

A. None

B. One 

C. Three

D. Two

Q74 Single Row (One-way/Both-way)

Seven people, A, B, C, D, E, F, and G, are sitting in a row, facing the north.

Only two people sit to the right of B. F sits to the immediate left of D. Only two people sit between B and D. C sits to the immediate right of A. G sits to the immediate left of E. E sits at one of the extreme ends of the row.

Who is sitting third from the left end of the row?

A. F

B. A 

C. C

D. D

Q75 Symbol Based

In a certain code language

'A + B' means A is the wife of B,

'A - B' means A is the husband of B,

'A / B' means A is the sister of B,

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

'A × B' means A is the mother of B and

'A * B' means A is the father of B.

How is C related to L if A - C × P ! L * Q?

A. Father

B. Daughter

C. Son

D. Mother **Q76 Symbol Included Pattern**

Refer to the following letter, symbol series and answer the question.

(Left) H W % G # W @ W A % F & H + M ? & D # (Right)

If all the letters are dropped from the series, which of the following will be seventh from the right?

A. +

B. &

C. @ 

D. \$

Q77 Symbol Included Pattern

Refer to the following number, symbol series and answer the question (all numbers are single digit numbers only)

(Left) 8 @ 4 # ! + 3 & # 9 % & # 4 7 ! 9 # 3 \$ 6 + @ 1 (Right)

If all the symbols are dropped from the series, which of the following will be seventh from the right?

A. 9 

B. 1

C. 3

D. 6



Q78 Symbol Substitution

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?

207 D 14 B 6 C 105 A 5 = ?

A. 144



B. 168

C. 183

D. 165

Q79 Two Statement Sufficiency

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Among 5 Sticks, U, R, N, S and T each having a different height, which Stick is the tallest?

(I) N is taller than only one Stick. S is shorter than R but taller than U

(II) S is taller than T

A. Data in Statement I alone is sufficient to answer the question while data in statement II is not

B. Both statements I and II together are NOT sufficient to answer the question

C. Data in Statement II alone is sufficient to answer the question while data in statement I is not

D. Both statements I and II together (and not statement 1 alone or statement II alone) are sufficient to answer the question.

**Q80 Word to Code Mapping**

In a certain code language, 'space is less' is coded as 'du vc kt' and 'less than ten' is coded as 'rg mq vc'. How is 'less' coded in that language? (All the codes are two-letter codes only.)

A. kt

B. rg

C. vc



D. du

General Awareness

20 Questions • Answer Key

Q81 Civilian Awards

Who was posthumously awarded the Padma Vibhushan, India's second-highest civilian award, at the Civil Investiture Ceremony in May 2026?

A. Dr. N. Rajam

B. Piyush Pandey

C. Uday Kotak

D. Dharmendra Singh Deol

**Q82 Conflicts & Peace Processes**

The peace declaration signed by Thailand and Cambodia on 26 October 2025, on the sidelines of the 47th ASEAN Summit, to resolve their border conflict is commonly known by which name?

A. The Kuala Lumpur Peace Accords



B. The Bangkok Declaration

C. The Phnom Penh Agreement

D. The Treaty of Jakarta



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Q83 Constitutional Posts

Which leader was sworn in as the Chief Minister of West Bengal after the 2026 Assembly elections?

A. Suvendu Adhikari ✓

B. Abhishek Banerjee

C. Dilip Ghosh

D. Mukul Roy

Q84 Cricket (IPL, WC, etc.)

India achieved which record milestone after winning the ICC U-19 World Cup 2026 final against England in Harare, Zimbabwe?

A. Fifth U-19 World Cup title

B. First U-19 World Cup title

C. Third U-19 World Cup title

D. Sixth U-19 World Cup title ✓

Q85 Defense & Technology

In which city did the Defence Research and Development Organisation (DRDO) showcase its advanced technologies during the exhibition held from 15–18 April 2026?

A. Patna

B. Bhagalpur

C. Gaya

D. Motihari ✓

Q86 Defense & Technology

Which of the following organisations, in collaboration with the Aeronautical Development Agency and Hindustan Aeronautics Limited, successfully conducted a high-speed rocket-sled test of a fighter aircraft escape system at controlled velocity in December 2025?

A. Tata Advanced Systems

B. Defence Research and Development Organisation ✓

C. Indian Space Research Organisation

D. Defence Institute of Advanced Technology

Q87 Government Policies & Schemes

Under the Mission Shakti Scheme (March 2026 update), what type of approach is adopted to strengthen women's safety, security, and empowerment?

A. Technology-only approach

B. Holistic and victim-centric approach ✓

C. Market-driven approach

D. Industry-centric approach

Q88 IT Policies & Regulation

Which state government announced in its 2026-27 budget that social media will be banned for children below the age of 16 years?

A. Kerala

B. Madhya Pradesh

C. Gujarat

D. Karnataka ✓

Q89 International Awards

Which architect received the Pritzker Architecture Prize in March 2026?

A. Anne Lacaton

B. Smiljan Radić Clarke ✓

C. Francis Kéré

D. David Chipperfield

Q90 Key Announcements

In February 2026, the Government of India launched which long-term sports development framework through the Union Budget 2026–27 to strengthen India's sports ecosystem?

A. Fit India Movement programme

B. TOPS Development initiative

C. Khelo India Mission framework ✓

D. Olympic Vision programme

Q91 Key Announcements

Union Budget 2026–27 allocated ₹20,000 crore over five years to support CCUS. What does the letter "S" stand for in CCUS?

A. Storage ✓

B. Sustainability

C. Supply

D. Security

Q92 Missile Tests & Systems

Which of these technology modules enables the 'third-generation fire-and-forget man-portable anti-tank guided missile' (MPATGM)—which successfully underwent flight testing in January 2026—to accurately track targets during both day and night?

A. Doppler Laser Ranging Transceiver

B. Magnetic Flux Compass Aligner

C. Imaging Infrared Homing Seeker ✓

D. Barometric Plasma Pressure Sensor



Q93 National Current Affairs

Which national examination body was in the news due to the NEET-UG 2026 controversy and subsequent key appointments by the Centre?

- A. Union Public Service Commission
- B. National Medical Commission
- C. University Grants Commission
- D. National Testing Agency

**Q94 National Themed Days**

The book "Uttarkashi: Saumya Kashi: The Soul of Himalayan Heritage", along with two other publications, was released during which national event held in New Delhi in 2026?

- A. World Book and Copyright Day
- B. World Heritage Day
- C. National Panchayati Raj Day
- D. National Youth Day

**Q95 New Apps & Portals**

Under which initiative was the Ayush Anudan Portal launched by the Ministry of Ayush in May 2026 to strengthen digital governance and transparency in grant management?

- A. Ayush Governance Programme
- B. National Ayush Network Initiative
- C. Digital Ayush Mission
- D. Ayush Grid Initiative

**Q96 New Guidelines & Regulations**

According to Reserve Bank of India guidelines, which of the following security mechanisms was made mandatory for all digital payments from 1 April 2026?

- A. OTP-only Verification
- B. Single-factor Password Authentication
- C. Two-Factor Authentication
- D. QR Code-only Verification

**Q97 Recent Tournaments**

Which country made history in May 2026 by becoming the first African nation in 24 years to host the BWF World Junior Championships?

- A. Kenya
- B. Morocco
- C. South Africa
- D. Egypt

**Q98 Recent Tournaments**

The sixth edition of the Khelo India Winter Games held in 2026 was organised in which Union Territory of India?

- A. Chandigarh
- B. Ladakh
- C. Lakshadweep
- D. Puducherry

**Q99 Treaties & Agreements**

On World Water Day 2026 at the United Nations, India reiterated its position regarding the suspension of which long-standing water-sharing agreement with Pakistan?

- A. Ganga Water Treaty
- B. Mahakali Treaty
- C. Indus Waters Treaty
- D. Teesta River Agreement

**Q100 Treaties & Agreements**

India had signed a Memorandum of Understanding (MoU) in February 2026 to strengthen cooperation in forests, wildlife, biodiversity conservation, and climate change with which country?

- A. Sri Lanka
- B. Bangladesh
- C. Nepal
- D. Bhutan



General Science

25 Questions · Answer Key

Q1 Atomic Structure & Models

If an atom has an atomic number of 15 and a mass number of 31 according to Bohr's model, what is the number of neutrons present?

- A. The number of neutrons is 30.
- B. The number of neutrons is 16. ✓
- C. The number of neutrons is 31.
- D. The number of neutrons is 15.

Q2 Atoms & Molecules

A student wants to write the chemical formula for aluminium sulfate, which contains two aluminium atoms, three sulfur atoms, and twelve oxygen atoms. Which is the correct formula?

- A. Al_2SO_4
- B. $\text{Al}_3(\text{SO}_4)_2$
- C. $\text{Al}_2(\text{SO}_4)_3$ ✓
- D. $\text{Al}(\text{SO}_4)_3$

Q3 Basic Organic Chemistry

What happens when ethanol is heated with excess concentrated sulphuric acid at 170°C ?

- A. Carbon dioxide is released
- B. Methane is formed as a gas
- C. Ethene is formed by dehydration ✓
- D. Ethanoic acid is formed

Q4 Biodiversity & Conservation

Which way did the Sangam Tinai classification and sacred groves help conserve biodiversity?

- A. They classified all Indian species
- B. They preserved locally diverse habitats ✓
- C. They increased agricultural output
- D. They introduced exotic species

Q5 Current Electricity (Ohm's Law, Circuits)

Two uniform wires made of the same material, having the same length, and maintained at the same temperature are compared. Which factor will cause one wire to have greater electrical resistance than the other?

- A. Higher voltage
- B. Smaller cross-sectional area ✓
- C. Higher cross-sectional area
- D. Larger electric current

Q6 Current Electricity (Ohm's Law, Circuits)

If a bulb filament draws 0.5 A of current for 10 minutes, what is the total charge passed through the circuit?

- A. 30 coulombs
- B. 60 coulombs
- C. 300 coulombs ✓
- D. 0.05 coulombs

Q7 Ecosystem & Food Chain

Which of the following correctly represents a food chain?

- A. Deer → Grass → Tiger
- B. Tiger → Grass → Deer
- C. Grass → Deer → Tiger ✓
- D. Grass → Tiger → Deer

Q8 Excretory System (Kidney)

Which structure connects the kidneys to the urinary bladder?

- A. Bladder
- B. Ureter ✓
- C. Urethra
- D. Pelvis

Q9 Extraction & Metallurgy

Metals low in the reactivity series, such as copper and mercury, are extracted by:

- A. roasting in air to convert sulphide ores into oxides, followed by heating ✓
- B. reduction with carbon at high temperatures
- C. displacement using more reactive metals
- D. electrolysis of their molten ores



Q10 Human Eye & Defects

Which application uses refraction to focus light onto a specific point for clear vision?

- A. A shadow formed behind an object
- B. The human eye lens adjusting its shape ✓
- C. A plane mirror reflecting images
- D. A glass prism splitting sunlight

Q11 Hydrocarbons (Methane, Ethane, etc.)

Why are saturated hydrocarbons less reactive than unsaturated hydrocarbons?

- A. They contain oxygen.
- B. They are aromatic.
- C. They have double bonds.
- D. Their single bonds are strong. ✓

Q12 Matter & Its Properties

Which statement is correct regarding physical and chemical changes?

- A. Chemical changes alter composition ✓
- B. All changes in solutions are chemical
- C. All physical changes are irreversible
- D. Physical changes form new substances

Q13 Mechanics

A car starts from rest and accelerates uniformly at 2 m/s^2 for 5 seconds. What is the distance it travels during this time?

- A. 50 meters
- B. 20 meters
- C. 25 meters ✓
- D. 10 meters

Q14 Mechanics

Which of the following best describes the shape of a distance-time graph for an object moving at a uniform speed?

- A. A straight line with varying slope
- B. A horizontal straight line
- C. A straight line with a constant slope ✓
- D. A curved line upward

Q15 Mirrors & Lenses

When measuring the object distance for a spherical mirror, as **per the New Cartesian Sign Convention**, which sign is assigned if the object is placed in front of the mirror?

- A. No sign is assigned
- B. Variable sign is assigned
- C. Positive sign is assigned
- D. Negative sign is assigned ✓

Q16 Plant Tissues & Transport

Which statement correctly describes the energy requirement of plant tissues compared to animal tissues?

- A. Plants do not perform respiration for energy
- B. Plants generally require less energy than animals ✓
- C. Plants require more energy than animals
- D. Plant tissues do not require energy at all

Q17 Pollution (Air, Water, Soil, Noise)

Which type of pollutants is mainly responsible for biological magnification?

- A. Decomposable pollutants
- B. Thermal pollutants
- C. Non-biodegradable pollutants ✓
- D. Noise pollutants

Q18 Properties & Tests

Read the given statements of Assertion (A) and Reason (R) carefully and select the correct option.

(A): Carbon dioxide gas is formed when acids react with metal carbonates.
(R): Metal carbonates are basic in nature and neutralise acids to form salt, water and CO_2 .

- A. Both A and R are true, but R is not the correct explanation of A.
- B. A is false, but R is true.
- C. Both A and R are true, and R is the correct explanation of A ✓
- D. A is true, but R is false.



Q19 Reactivity Series

Given that:

- P displaces Q from its salt solution,
- R displaces S from its salt solution,
- Q displaces R from its salt solution,
- S cannot displace any other metal;

Which metal is the most reactive among them?

A. S

B. P

C. R

D. Q

Q20 Reflection & Refraction

The refracted ray inside the prism bends _____.

A. Toward the base of the prism

B. Perpendicular to the base

C. Away from the base

D. Along the base

Q21 Reproduction in Plants

Which of the following is **NOT** a characteristic feature of insect-pollinated flowers?

A. Brightly coloured petals that attract insects

B. Production of light, small pollen grains in very large numbers

C. Production of nectar and fragrance to attract pollinators

D. Sticky stigma adapted to receive pollen from insects

Q22 Respiratory System

What happens when blood passes through the alveolar capillaries in the lungs?

A. Both gases remain unchanged in the circulating blood

B. Oxygen and carbon dioxide both enter the bloodstream from alveoli

C. Oxygen enters blood and carbon dioxide moves into alveoli

D. Carbon dioxide enters blood and oxygen moves into alveoli

Q23 Winds & Pressure Belts

An environmental scientist observes that global winds move from the equator towards the poles. Which process best accounts for this pattern?

A. Uneven heating creates temperature differences between latitudes

B. Precipitation levels determine wind directions

C. Ocean currents transfer heat faster than air masses

D. Earth's rotation reverses wind direction at the equator

Q24 Work, Energy & Power

When a moving car comes to a stop, what happens to its kinetic energy?

A. It becomes double

B. It becomes negative

C. It becomes zero

D. It remains the same

Q25 Work, Energy & Power

A ball is placed at the edge of a table and then at the center. The table's height remains unchanged. How does the ball's gravitational potential energy compare in both positions?

A. The potential energy is higher at the edge than at the center

B. The potential energy keeps changing as the ball moves

C. The potential energy is the same in both positions

D. The potential energy is lower at the edge than at the center



Q26 Annual Compounding

Pravin has ₹1,701, which he divides between his two sons, Rishi and Shan. He asks them to invest their respective shares at a compound interest rate of 10% per annum, compounded annually. It is observed that Rishi's investment after 18 years equals Shan's investment after 19 years. Find the amount (in ₹) that Pravin gave to Rishi.

A. 910

B. 741

C. 810

D. 891

**Q27 Annual Compounding**

The compound interest earned on a sum of money for 2 years at 8% per annum, compounded annually, is ₹166.40. Find the sum (in ₹).

A. 1,100

B. 1,000



C. 1,500

D. 1,200

Q28 CP-SP Relation

Ramesh bought two identical washing machines. He sold one at a profit of 20% and the other at a loss of 10%. If the total selling price of both machines was ₹33,600, what was the cost price of each washing machine?

A. ₹16,000



B. ₹16,800

C. ₹18,000

D. ₹15,800

Q29 Dividing Quantity in Ratio

The expenses of three friends, A, B, and C, are in the ratio 2 : 3 : 5. If total expenses are ₹2,000, find B's share.

A. ₹550

B. ₹600



C. ₹500

D. ₹700

Q30 Find SI

Find the simple interest (in ₹) on a sum of ₹500 borrowed for 3.5 years at the rate of 8% per annum.

A. 240

B. 140



C. 120

D. 190

Q31 Laws of Indices

Given that $43^{0.92} = x$, $43^{0.69} = y$ and $x^z = y^6$, then the value of z is:

A. 4.5



B. 6.5

C. 3.5

D. 5.5

Q32 Measures of Central Tendency

The mean and the mode of a set of data are 40.3 and 74.9, respectively. Find the median of the data, using the empirical formula. (Round off to one decimal place)

A. 51.8



B. 52.9

C. 52.8

D. 51.2

Q33 Measures of Central Tendency

The mean and the median of a dataset are in the ratio 9:8. Using the empirical formula for moderately skewed distributions, determine the ratio of the median to the mode.

A. 3 : 2

B. 4 : 3



C. 2 : 3

D. 1 : 3



Q34 Multiple Pipes

Pipe A can fill a tank in 3 hours, pipe B can fill the same tank in 12 hours and pipe C can fill the same tank in 12 hours. The time taken (in hours) by them to fill half of the same tank if they operate together is:

A. 4

B. 2

C. 3

D. 1

**Q35 Percentage Increase/Decrease**

The income of Raman is ₹83,000. He saves 16% of his income. If his income increases by 22% and expenditure increases by 25%, then his savings will:

A. decrease by ₹828

B. increase by ₹830



C. decrease by ₹833

D. increase by ₹827

Q36 Prime & Composite Numbers

Which of the following statements is always true?

A. Two prime numbers are never coprime.

B. Two even numbers are always coprime.

C. Multiples of the same number are always coprime.

D. Two consecutive integers are always coprime.

**Q37 Proportion**

If 12.8, 6.4, x and 1.6 are in proportion, what is the value of x?

A. 3.2



B. 2.4

C. 2.8

D. 3.6

Q38 Round Trip

A boat can travel 48 km downstream in 3 hours and can come back the same distance upstream in 4 hours. At these speeds if the boat goes 15 km downstream, then rests for 30 mins, and returns 15 km upstream, find the total time (including the resting time) taken by the boat to complete this round trip.

A. 2 h 11 min 15 s

B. 2 h 41 min 15 s



C. 3 h 11 min 15 s

D. 2 h 56 min 15 s

Q39 Rules for 2,3,4,5,6

The 7-digit number 22A675B is divisible by 3. What is the minimum value of (A + B)?

A. 2



B. 4

C. 7

D. 6

Q40 Single Right Triangle

A tree standing on level ground is broken by a storm. The broken part bends and touches the ground, making an angle of 30° with the ground. The distance between the foot of the tree and the point where the top of the tree touches the ground is 12 m. Find the original height of the tree.

A. $12\sqrt{2}$ mB. $18\sqrt{2}$ mC. $12\sqrt{3}$ mD. $18\sqrt{3}$ m**Q41 Successive Discount**

The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 19% and 59%, shop II allows successive discounts of 11% and 94%, shop III allows successive discounts of 25% and 70% and shop IV allows successive discounts of 96%, 44% and 25% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

A. II

B. I

C. III

D. IV

**Q42 Successive Percentage Change**

The price of fuel decreases successively by 10%, 20%, and 15% over three consecutive months. In the fourth month, the price increases by 40%. Find the overall percentage decrease in the price of fuel at the end of the fourth month compared to its original price.

A. 13.42%

B. 12.65%

C. 15.33%

D. 14.32%



Q43 Two Trains Crossing

Two trains, 240 m and 280 m in length, respectively, are running towards each other on parallel lines, one at the speed of 70 km/hr and another at 74 km/hr. Find the time (in seconds) they will take to cross each other.

A. 16

B. 12

C. 13



D. 14

Q44 Weighted Average

The average age of A, B, C, D, and E is 55 years. The average age of A and B is 45 years, and the average age of C and D is 57 years. The age of E is:

A. 68 years

B. 76 years

C. 66 years

D. 71 years

**Q45 $a^3 + b^3$, $a^3 - b^3$**

If $a - b = 9$ and $ab = 13$, then the value of $a^3 - b^3$ is:

A. 1,080



B. 1,020

C. 1,040

D. 1,060

Q46 Basic Circle Properties

AB is the diameter of a circle with centre O. From a point X on its circumference, a perpendicular XY is dropped on AB such that it intersects AB at Y. If BY = 5 cm and XY = 7 cm, what is the circumference (in cm) of the circle?

A. $\frac{67}{7}\pi$ B. $\frac{37}{5}\pi$ C. $\frac{74}{5}\pi$ D. $\frac{47}{8}\pi$ **Q47 Cylinder**

The curved surface area of a closed cylinder is 440 cm^2 , and its total surface area is 748 cm^2 . Find the height of the cylinder.

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

A. 10 cm



B. 12 cm

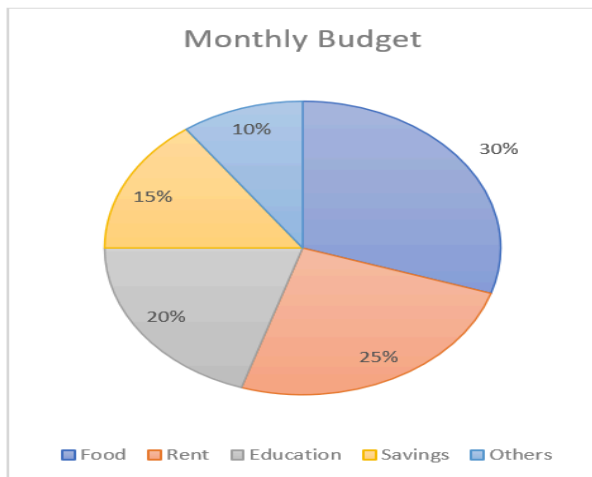
C. 8 cm

D. 5 cm



Q48 Percentage Based

The monthly budget of ₹48,000 for a family is distributed as follows: Food, Rent, Education, Savings, and Others. If they want to increase their savings to 20% next month without changing the total budget, what is the amount of the extra savings needed in next month compared to current month?



A. ₹2,400



B. ₹2,000

C. ₹2,800

D. ₹3,000

Q49 Standard Angle Values

If $\cot^2(2\eta) = 3$, 2η is an acute angle, then what is the value of 5η ?

A. 75°



B. 15°

C. 50°

D. 30°

Q50 Volume

A conical glass with a radius of 6 cm and height of 14 cm is filled with water up to the brim. A small conical stone with radius of 3 cm and height 7 cm is dropped into the glass, causing some water to overflow. What is the volume of water that remains in the glass?

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

A. 0.512 litres

B. 0.653 litres

C. 0.462 litres



D. 0.708 litres



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Q51 Alpha-Numeric Series

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

(Left) W Z A F U V L A K I D O T U V Q U S P O P D (Right)

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

A. 8



B. 7

C. 9

D. 10

Q52 Alphabetical Pattern

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

SUQ MOK GIE ACY ?

A. UVR

B. UXR

C. UWS



D. UVX

Q53 Day of Week Assignment

Each of Q, R, W, T, E, U and Y has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. E has an exam on Tuesday. Exactly 3 people have an exam between E and T. W has an exam immediately before Y and U has an exam immediately after Y. Only 1 person has an exam between W and Q. Who has an exam immediately after T?

A. T

B. R



C. U

D. W

Q54 Facing Center

Seven students, I, J, K, P, Q, R and Z, are sitting around a circular table, facing the center of the table.

Q is an immediate neighbour of both I and R. P sits third to the left of Q. R sits second to the left of Z. J is not an immediate neighbor of P.

Who sits second to the right of K?

A. Q



B. I

C. J

D. R

Q55 Facing Center

D, F, G, H, J, K and L are sitting around a circular table facing the centre.

Exactly three people sit between L and H when counted from the right of L. F sits second to the left of H. J sits immediately to the left of G. K is not an immediate neighbour of H. How many people sit between G and F when counted from the left of F?

A. 2



B. 3

C. 4

D. 1

Q56 Floor/Building Arrangement

Seven boxes A, B, C, D, U, V and W are kept one over the other but not necessarily in the same order. Only two boxes are kept below V. Only one box is kept above C. Only one box is kept between C and B. W is kept immediately above U. D is kept at some place below A. How many boxes are kept between A and W?

A. Two

B. One

C. Four



D. Three

Q57 Letter Analogy

FGHK is related to IJKN in a certain way based on the English alphabetical order. In the same way, RSTW is related to UVWZ. To which of the following options is ABCF related, following the same logic?

A. FIDE

B. FEDI

C. DFIE

D. DEFI



Q58 Letter Analogy

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: HIL :: LMP : %

A. # = ZAC , % = STW

B. # = ZAD , % = TUX

C. # = ZAD , % = TTY

D. # = ZCF , % = TUX

Q59 Letters Between Two Positions

This question is based on the following words.

(Left) JOG VOW GYM DEW (Right)

How many letters are there between the second letter of the first word from the right and the second letter of the first word from the left, as per the English alphabetical order?

A. 12

B. 8

C. 10

D. 9

Q60 Letters Between Two Positions

This question is based on the given words.

(LEFT) KIT ZIP ODD RAM (RIGHT)

How many letters are there between the third letter of the third word from the right and the first letter of the first word from the left as per the English alphabetical order?

A. 4

B. 7

C. 5

D. 3

Q61 Mathematical Operations

If 3 is added to each even digit and 2 is added to each odd digit in the number 4751236, what will be the sum of the first and last digits in the new number thus formed?

A. 14

B. 16

C. 12

D. 18

Q62 Missing Number

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

35 42 56 77 105 ?

A. 142

B. 140

C. 138

D. 136

Q63 Multiple Turns

Abhishek starts from Point A and drives 13 km towards North. He then takes a right turn, drives 6 km, turns right and drives 15 km. He then takes a right turn and drives 8 km. He takes a final right turn, drives 2 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified.)

A. 3 km to west

B. 2 km to west

C. 3 km to east

D. 2 km to east

Q64 Operation Based

22 is related to 474 following a certain logic. Following the same logic, 25 is related to 615. To which of the given options is 29 related, following the same logic? (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 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.)

A. 821

B. 831

C. 851

D. 841



Q65 Operation Based

19 is related to 58 following a certain logic. Following the same logic, 31 is related to 94. To which of the given options is 43 related, following the same logic?
(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 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.)

A. 128

B. 127

C. 130



D. 129

Q66 Operation Based Coding

In a certain code language "HSAL " is coded as "35" and "WHKC" is coded as "40". What is the code for "OJDZ" in the given language?

A. 50



B. 49

C. 58

D. 55

Q67 Operator Swap

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

$$37 - 3 \div 5 + 18 \times 6 = ?$$

A. 101

B. 104

C. 109

D. 113

**Q68 Pattern Based**

NLIP is related to TROV in a certain way based on the English alphabetical order. In the same way, JHEL is related to PNKR. To which of the following is RPMT related, following the same logic?

A. XVZS

B. XVSZ



C. VXZS

D. VXSZ

Q69 Position Pattern

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

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

A. JG - HE

B. LV - KU



C. QI - OG

D. SY - QW

Q70 Position Pattern

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

A. CK - IQ

B. GO - MU

C. FN - KS



D. HP - NV

Q71 Position from Left/Right

30 students are standing in a straight line facing north. Anita is 16th from the right end, while Balram is 22nd from the left end. How many students are standing between Anita and Balram?

A. 5

B. 7

C. 6



D. 8

Q72 Rearrangement of Letters

Each letter in the word FUTILE 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. V

B. J



C. U

D. F



Q73 Rearrangement of Letters

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

A. Zero



B. Two

C. Three

D. One

Q74 Rearrangement of Letters

Each of the digits in the number 789245361 is arranged in ascending order from left to right. The position of how many digits will remain unchanged as compared to that in the original number?

A. Two

B. Three

C. One

D. None

**Q75 Symbol Based**

In a certain code language,
A + B means 'A is the brother of B',
A - B means 'A is the son of B',
A × B means 'A is the husband of B', and
A ÷ B means 'A is the daughter of B'.

How is P related to T if 'P + Q - R × S ÷ T'?

A. Son's son

B. Son

C. Daughter's son



D. Daughter's daughter

Q76 Symbol Based

In a certain code language,
A + B means 'A is the mother of B',
A - B means 'A is the brother of B',
A × B means 'A is the wife of B',
A % B means 'A is the father of B' and
A # B means 'A is the daughter of B'.

How is Pv related to Kt if 'Pv + Df # Ly % Gi × Kt'?

A. Sister's husband

B. Wife's mother



C. Wife's sister

D. Daughter's husband

Q77 Symbol Included Pattern

Refer to the given letter and symbol series and answer the question that follows.

(Left) R T % & V B M > < Y P L + A # ^ & ? A S P I % + E # A @ Q B T G & + % C ? (Right)

If all the symbols are dropped from the series, which of the following will be fifth from the right?

A. Y

B. M

C. Q



D. B

Q78 Symbol Included Pattern

Refer to the given number and symbol series and answer the question that follows. All numbers are single-digit numbers only.

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

If all the symbols are dropped from the series, which of the following will be seventh from the right?

A. 9



B. 2

C. 6

D. 4

Q79 Two Statement Sufficiency

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements is sufficient to answer the question. Read both the statements and select the appropriate answer.

At, Bn, Cg, Dv and Es are sitting around a circular table, facing the centre. Who sits to the immediate right of Dv?
(I) At is the immediate neighbour of Dv and Es. Cg sits to the immediate right of Bn.

(II) Es is the immediate neighbour of Cg and At. Dv sits second to the right of Es.

A. Data in statement II alone is sufficient to answer the question while data in statement I is not



B. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question

C. Data in statements I and II together are NOT sufficient to answer the question

D. Data in statement I alone is sufficient to answer the question while data in statement II is not



Q80 Two Statement Syllogism

Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion/s logically follow/s from the given statements

Statements: All carpets are shoes. All pens are shoes.

Conclusion (I) : Some carpets are pens

Conclusion (II) : Some shoes are pens

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

General Awareness

20 Questions • Answer Key

Q81 Ayushman Bharat

The 2026 operational expansion of the Ayushman Bharat PM-JAY health insurance scheme ensures universal health cover to which target group?

- A. All full-time educators in rural government institutions
- B. All registered gig workers and platform delivery partners
- C. All citizens aged 70 years and above regardless of income ✓
- D. All small-scale agricultural laborers holding land records

Q82 Constitutional Posts

Which assembly seat did Himanta Biswa Sarma win as the newly elected Chief Minister of Assam in May 2026?

- A. Haflong
- B. Jalukbari ✓
- C. Silchar
- D. Dispur

Q83 Finance Commission

What percentage share of the divisible pool of central taxes has been recommended for the states by the 16th Finance Commission for 2026-31?

- A. 41% ✓
- B. 51%
- C. 32%
- D. 54%

Q84 Government Policies & Schemes

In February 2026, how many companies were selected under the National Green Hydrogen Mission (NGHM) electrolyser manufacturing incentive scheme for a total production capacity of 3,000 MW?

- A. 15 companies ✓
- B. 5 companies
- C. 30 companies
- D. 10 companies

Q85 HDI, GHI, etc.

In 2026, which organization released the second annual edition of the "Fiscal Health Index (FHI)" to assess states' financial performance?

- A. National Institution for Transforming India ✓
- B. Securities and Exchange Board of India
- C. Comptroller and Auditor General of India
- D. Finance Commission of India

Q86 International Days

World Consumer Rights Day was/will be observed globally on which date in 2026?

- A. October 15
- B. April 15
- C. December 24
- D. March 15 ✓



Q87 International Sports Awards

Which prominent golfer was awarded the Laureus World Comeback of the Year Award in 2026 after completing a long-awaited career Grand Slam and defending his title successfully?

A. Scottie Scheffler

B. Tiger Woods

C. Rory McIlroy



D. Jon Rahm

Q88 International Sports Awards

Who won the Laureus Lifetime Achievement Award at the 2026 Laureus World Sports Awards — 50 years after scoring the first-ever perfect 10 in Olympic gymnastics history?

A. Mary Lou Retton

B. Nadia Comăneci



C. Oksana Baiul

D. Simone Biles

Q89 Key Announcements

The Union Budget 2026-27 introduced the 'Biopharma SHAKTI' scheme. What is the primary objective of this ₹10,000 crore initiative?

A. To train 1.5 lakh care workers for the elderly

B. To transform India into a manufacturing hub for biologics and biosimilars



C. To set up new AIIMS hospitals in every state

D. To provide free generic medicines in all government hospitals

Q90 National Current Affairs

What was the primary aim of the UP Health Tech Conclave 1.0 in January 2026?

A. Build a MedTech ecosystem to boost innovation



B. Launch a national health insurance scheme

C. Create a mobile telemedicine bus project

D. Mandate AI use in all district hospitals

Q91 National Current Affairs

In January 2026, a high-altitude rescue and road restoration operation was successfully conducted at Chatergala Pass in Jammu and Kashmir (J&K) by which organization?

A. Border Roads Organisation



B. Indo-Tibetan Border Police

C. Indian Army Engineering Corps

D. National Disaster Response Force

Q92 National Current Affairs

In its judgment on February 2, 2026, the Supreme Court directed the Union Government to constitute an inter-state water disputes tribunal to adjudicate a river water sharing conflict between Karnataka and Tamil Nadu. Which river is at the centre of this dispute?

A. Pennaiyar River



B. Krishna River

C. Godavari River

D. Cauvery River

Q93 National Current Affairs

Which of the following organisations commemorated its 176th Foundation Day on 4 March 2026?

A. Zoological Survey of India (ZSI)

B. Geological Survey of India (GSI)



C. Archaeological Survey of India (ASI)

D. Botanical Survey of India (BSI)

Q94 New Schemes & Programs

In 2026, the Government of India announced the nationwide "ASMITA League" initiative primarily to encourage participation of whom in sports competitions?

A. Women and girls in grassroots sports



B. Rural coaches in sports management

C. Senior citizens in recreational athletics

D. School principals in fitness campaigns



Q95 Recent Tournaments

The 9th Elite Men's and Women's National Boxing Championship, organised by the Boxing Federation of India in January 2026, was held at which of the following locations?

- A. Indore, Madhya Pradesh
- B. Patiala, Punjab
- C. Guwahati, Assam
- D. Greater Noida, Uttar Pradesh ✓

Q96 Republic Day, Independence Day, etc.

On 26 January 2026, India celebrated which edition of Republic Day?

- A. 76th Republic Day
- B. 78th Republic Day
- C. 75th Republic Day
- D. 77th Republic Day ✓

Q97 Science & Technology Current Affairs

Under the Antariksh Venture Capital Fund operationalised by Indian National Space Promotion and Authorization Center (IN-SPACe), which institution was appointed as the Investment Manager, marking India's first dedicated venture capital framework for space startups?

- A. NABARD Consultancy Services
- B. Bharat Electronics Limited
- C. SIDBI Venture Capital Limited ✓
- D. National Investment and Infrastructure Fund

Q98 Tax Changes

According to the Union Budget 2025-26, under the new regime, no personal income tax is payable up to the maximum income of ₹_____.

- A. 11 lakh
- B. 10 lakh
- C. 9 lakh
- D. 12 lakh ✓

Q99 Treaties & Agreements

Which major trade agreement implemented by India in October 2025 includes a binding investment commitment of \$100 billion over 15 years to create 1 million jobs?

- A. The India-European Union Free Trade Agreement (FTA)
- B. The Trade and Economic Partnership Agreement (TEPA) with EFTA ✓
- C. The India-UK Comprehensive Economic Trade Agreement (CETA)
- D. The India-Oman Comprehensive Economic Partnership Agreement (CEPA)

Q100 UN General Assembly, COP

In a historic first, the 43rd session of the UNESCO General Conference took place outside of Paris. Which city hosted this significant summit?

- A. Shanghai, China
- B. Samarkand, Uzbekistan ✓
- C. Dushanbe, Tajikistan
- D. New Delhi, India



General Science

25 Questions • Answer Key

Q1 Balancing Chemical Equations

In a chemical reaction, 12g of carbon reacts completely with 32g of oxygen to form carbon dioxide. If only 40g of carbon dioxide is collected, which of the following is the correct conclusion based on the Law of Conservation of Mass?

- A. The reaction is incomplete because 4g of mass is unaccounted for.
- B. The law of conservation of mass does not apply to gas formation.
- C. Mass is always lost as energy, so the final mass decreases.
- D. Carbon dioxide gas escaped during the reaction, so mass was not fully collected. ✓

Q2 Basic Organic Chemistry

Which of the following is an organic compound?

- A. CaCO_3
- B. NaCl
- C. CO_2
- D. CH_3Cl ✓

Q3 Current Electricity (Ohm's Law, Circuits)

A heater is rated at 1000 W. If it is used for 2 hours, how much energy does it consume in kilowatt hours?

- A. 1 kWh
- B. 0.5 kWh
- C. 2 kWh ✓
- D. 3 kWh

Q4 Echo, Resonance, Doppler Effect

Which of the following methods is commonly used to measure reverberation in a room?

- A. Counting the number of echoes heard
- B. Timing how long sound persists after the source stops ✓
- C. Measuring the speed of sound in the room
- D. Calculating the frequency of the sound wave

Q5 Ecology & Environment

Which of the following combinations best supports sustainable development?

- A. Fossil fuels + deforestation
- B. Industrial expansion + waste dumping
- C. Overuse of water + plastic production
- D. Renewable energy + tree plantation ✓

Q6 Ecology & Environment

A city is planning to build a new power plant and is choosing between several energy generation options. If the primary goal is to maximize the use of renewable and environmentally friendly energy, which option should the city select?

- A. A high-capacity natural gas station
- B. A large-scale coal-fired facility
- C. A utility-scale solar photovoltaic farm ✓
- D. A conventional nuclear power complex

Q7 Extraction & Metallurgy

During the extraction of metals, the sulphide ores are converted into oxides by heating strongly in the presence of excess air. This process is known as:

- A. sulphonation
- B. calcination
- C. roasting ✓
- D. elimination

Q8 Household Wiring & Safety

Why is copper commonly used for electrical wiring in homes?

- A. It has low electrical resistance ✓
- B. It is magnetic
- C. It is a poor conductor
- D. It has a low melting point



Q9 Hydrocarbons (Methane, Ethane, etc.)

Which of the following hydrocarbons undergo addition reactions with hydrogen?

A. Unsaturated hydrocarbons ✓

B. Alicyclic hydrocarbons

C. Saturated hydrocarbons

D. Aromatic hydrocarbons

Q10 Layers & Composition

A weather balloon rises from sea level to 15 km altitude. The point of the temperature reverse from decreasing to increasing, and reason for this change is:

A. At the base of the mesosphere due to air pressure changes

B. At the top of the troposphere due to greenhouse gases

C. At the midpoint of the troposphere due to nitrogen distribution

D. At the start of the stratosphere due to ozone absorption of UV ✓

Q11 Mechanics

A velocity–time graph is represented by a straight line parallel to the time axis and lying above it. What does this indicate about the motion of the object?

A. The object is at rest

B. The object is moving with decreasing velocity

C. The object is moving with constant velocity ✓

D. The object is moving with increasing velocity

Q12 Mechanics

A machine lifts a load of 600 N using an effort of 150 N. What is the mechanical advantage of the machine?

A. 2

B. 3

C. 5

D. 4 ✓

Q13 Mirrors & Lenses

If a ray of light passes through the optical center of a thin spherical lens, what is the path of the emergent ray?

A. It reflects back along its original path

B. It continues in the same direction without deviation ✓

C. It is absorbed by the lens material

D. It bends towards the principal axis

Q14 Mirrors & Lenses

An object is placed at the center of curvature of a concave mirror. If the mirror is now partially covered with an opaque material, what change will occur in the image?

A. The image will disappear completely

B. The image will remain at the same position but will become less bright ✓

C. The image will shift closer to the mirror and become smaller

D. The image will move farther from the mirror and become inverted

Q15 Mixtures, Solutions, Colloids

What occurs to the particles in the suspension when we shake it?

A. It remains settled

B. It mixes temporarily and then settles ✓

C. It forms a new substance

D. It dissolves permanently

Q16 Newton's Laws of Motion

If the same force is applied to two objects of different masses, what happens to their accelerations?

A. The object with less mass will have greater acceleration. ✓

B. Acceleration depends only on the force, not on the mass.

C. Both objects will have the same acceleration.

D. The object with more mass will have greater acceleration.

Q17 Non-communicable (Diabetes, Cancer, etc.)

Which disease involves the uncontrolled growth of abnormal cells in the lungs due to smoking?

A. Asthma

B. Lung cancer ✓

C. Emphysema

D. Bronchitis

Q18 Plant Hormones

Which environmental factor causes a plant shoot to bend toward a window?

A. Gravity

B. Temperature

C. Water

D. Light ✓



Q19 Plant Tissues & Transport

Which process would be directly affected if a plant's phloem were blocked during spring?

- A. Water transport from roots to leaves would decrease
- B. Roots would not absorb sufficient nutrients from soil
- C. Leaves would be unable to perform gas exchange
- D. Buds would fail to receive sugars needed for growth ✓

Q20 Plant Tissues & Transport

A student observes a plant cell under a microscope and notes it has a prominent nucleus, dense cytoplasm, and no visible vacuoles. Which of the following is the most likely function of this cell?

- A. Active cell division and growth ✓
- B. Providing structural support
- C. Storing water and nutrients
- D. Transporting water and minerals

Q21 Properties & Tests

When a metal oxide reacts with an acid, it forms:

- A. carbon dioxide and hydrogen gas
- B. salt and hydrogen gas evolution
- C. salt and water as final products ✓
- D. acid and metal oxide mixture only

Q25 Atomic Structure & Models

Which of the following pairs of atoms are isobars?

- A. $^{40}_{20}\text{Ca}$ and $^{40}_{18}\text{Ar}$ ✓
- B. $^{35}_{17}\text{Cl}$ and $^{37}_{17}\text{Cl}$
- C. $^{14}_6\text{C}$ and $^{12}_6\text{C}$
- D. $^{23}_{11}\text{Na}$ and $^{24}_{12}\text{Mg}$

Q22 Reproductive System

Match the following.

Column I	Column II
1. Ovary	a. Site of foetal development
2. Fallopian tube	b. Release of eggs and hormones
3. Uterus	c. Site where fertilisation occurs

- A. 1-a, 2-c, 3-b
- B. 1-c, 2-b, 3-a
- C. 1-b, 2-c, 3-a ✓
- D. 1-b, 2-a, 3-c

Q23 Respiratory System

Which process in animals takes place in the absence of oxygen and releases a smaller amount of energy?

- A. Anaerobic respiration ✓
- B. Aerobic respiration
- C. Transpiration
- D. Photosynthesis

Q24 Types (Combination, Decomposition, etc.)

Which observation confirms that a reaction is a combination reaction?

- A. Only one new substance is produced ✓
- B. Colour of reactants changes
- C. Gas is evolved during reaction
- D. Temperature decreases suddenly



Q26 2-Year Difference

The difference between compound interest, compounded annually and simple interest at the same rate of interest $R\%$ per annum on an amount of ₹20,000 for 2 years is ₹162. What is the value of R ?

A. 8

B. 6

C. 7

D. 9

**Q27 Average Speed**

A marathon runner covers one-third of a 42 km race at a speed of 12 km/h, and the remaining two-thirds at a speed of 10.5 km/h. What is the average speed of the runner for the entire race? (Round off to two decimal places.)

A. 11.86 km/h

B. 10.86 km/h

C. 11.96 km/h

D. 10.96 km/h

**Q28 Basic Ratio**

The ratio of two numbers is 2 : 9. If 4 is added to the smaller number and 3 is added to the greater number, the ratio becomes 1 : 4. Find the original greater number.

A. 127

B. 120

C. 115

D. 117

**Q29 Common Tangents**

The distance between the centres of two circles having radii 5 cm and 25 cm is 29 cm. Find the length (in cm) of the direct common tangent.

A. 21



B. 27

C. 28

D. 13

Q30 Dividing Quantity in Ratio

A chemist needs to prepare 250 ml of a solution by mixing two liquids in the ratio 5 : 3. How much (in ml) of the second liquid should be used?

A. 125.25

B. 93.75



C. 62.25

D. 156.25

Q31 Divisibility Rules

What is the value that must be assigned to A so that the 8-digit number 753A3228 is divisible by 18?

A. 2

B. 6



C. 9

D. 5

Q32 Find Principal

What sum (in ₹) will earn a simple interest of ₹960 in 4 years at 12% per year rate of interest?

A. 1000

B. 2000



C. 6000

D. 4000

Q33 Half-Yearly Compounding

What is the compound interest (in ₹) on a sum of ₹1,50,000 at 20% per annum for 2 years, when the interest is compounded semi-annually?

A. 69651

B. 66951

C. 66915

D. 69615

**Q34 Multiple Pipes**

Pipe A can fill a tank in 3 hours, pipe B can fill the same tank in 10 hours and pipe C can fill the same tank in 15 hours. The time taken (in hours) by them to fill half of the same tank if they operate together is:

A. 2

B. 3

C. 1



D. 4



Q35 Profit/Loss Percentage

A shopkeeper buys some pencils at 6 for ₹35 and sells them at 10 for ₹65. His profit percentage (rounded off to 2 decimal places) is %.

- A. 13.14
- B. 13.41
- C. 11.34
- D. 11.43

**Q36 Replacement of Mixture**

A vessel contains liquids A and B in a ratio of 5 : 3. If 16 litres of the mixture is removed and the same quantity of liquid B is added, the ratio becomes 3 : 5. What quantity does the vessel hold?

- A. 47 liters
- B. 44 liters
- C. 40 liters
- D. 33 liters

**Q37 Single Change**

The monthly income of a person is ₹9,770. If his income is increased by 27%, then what will be his new monthly income?

- A. ₹12,507.50
- B. ₹12,407.90
- C. ₹12,307.50
- D. ₹12,207.90

**Q38 Successive Discount**

The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 58% and 36%, shop II allows successive discounts of 73% and 91%, shop III allows successive discounts of 76% and 88% and shop IV allows successive discounts of 79%, 68% and 96% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

- A. I
- B. IV
- C. II
- D. III

**Q39 Surface Area (TSA/LSA)**

If the volumes of two cubes are in the ratio 27 : 64, then the ratio of their total surface area is:

- A. 4 : 9
- B. 9 : 16
- C. 4 : 25
- D. 9 : 25

**Q40 Two Successive Changes**

The price of a commodity is increased by 30% and later decreased by 30%. What is the overall percentage change in the price of the commodity?

- A. 18% decrease
- B. Neither increase nor decrease
- C. 9% decrease
- D. 9% increase

**Q41 Two Trains Crossing**

Two trains, 310 m and 320 m long, run on parallel tracks in opposite directions. The first runs at 67 km/h and the second at 59 km/h. How long will they take to cross each other?

- A. 12 seconds
- B. 16 seconds
- C. 14 seconds
- D. 18 seconds



Q42 Bracket Simplification

Simplify the following expression: $[18 - \{6 + (4 \times 2)\} + 3^2] \div 3$

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



B. $2\frac{1}{3}$

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

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

Q43 Curved & Total Surface Area

A tent is shaped like a cone with a height of 84 m and a base radius of 13 m. If the fabric costs ₹40 per square meter, and the total cost of the fabric used for the tent is ₹E, then find the value of $\sqrt{\frac{E}{2041}} - 4$. (Use $\pi = 3.14$)

A. 4

B. 2

C. 8



D. 6

Q44 Finding Present Age

X's age is 20% more than Y's age. If the sum of their ages is 20 more than the difference of their ages, find their respective ages (in years).

A. 12 , 10



B. 10 , 14

C. 12 , 14

D. 10 , 13

Q45 Laws of Indices

Simplify: $(5^2)^3 \times (5)^{-2}$

A. 125

B. 3125

C. 625



D. 25



Q46 Mean of Grouped Data

Find the arithmetic mean of the following data (rounded off to two places of decimal).

Class interval	0-12	12-24	24-36	36-48	48-60
Frequency	6	8	10	9	12

A. 32.46

B. 31.48

C. 33.47



D. 34.48

Q47 Mean of Grouped Data

If the mean of the following data is 50, then what is the value of x?

Class	10-20	20-30	30-40	40-50	50-60
Frequency	17	33	25	43	x

A. 391

B. 425

C. 402



D. 411

Q48 Pythagorean Identities

Simplify: $\frac{\sin A}{1 + \cos A} + \frac{1 + \cos A}{\sin A}$

A. $2\operatorname{cosec} A$ B. $2\sec A$ C. $\tan A$

D. 1

Q49 Pythagorean Identities

Evaluate: $\frac{2\sin A}{(1 + \cos A + \sin A)} \times \frac{(1 + \sin A)}{(1 - \cos A + \sin A)}$

A. 2

B. 3

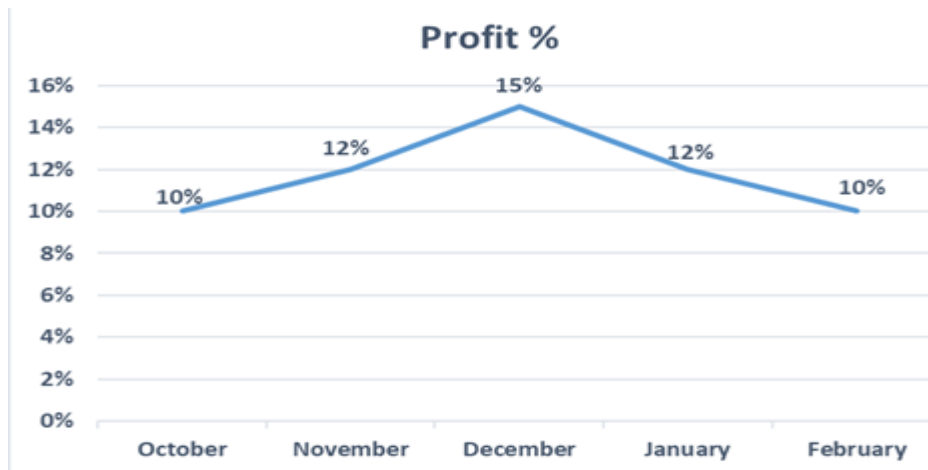
C. 0

D. 1



Q50 Single Line Graph

A shopkeeper sells heater rods, each having a cost price of ₹3,760. The profit margin varies depending on the demand, as shown in the given graph. If the total revenue on selling one rod every month from October to March end is ₹24,966.40, find the profit (in %) made in the month of March.



- A. 7%
- B. 6%
- C. 5%
- D. 10%

**General Intelligence & Reasoning**

30 Questions • Answer Key

Q51 Day of Week Assignment

Each of P, Q, R, S, T, U and V has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week. P has an exam on Wednesday. Only one person has an exam between P and R. U has an exam immediately after R. Only three people have an exam between U and Q. V has an exam after S but before Q. When does T have an exam?

- A. Sunday
- B. Monday
- C. Saturday
- D. Thursday

**Q52** Facing Center

D, F, G, H, J, K and L are sitting around a circular table facing the centre.

Only four people sit between J and H when counted from the right of J. F and K are immediate neighbours of D.

Exactly four people sit between G and L when counted from the left of G. L is not an immediate neighbour of F or H.

How many people sit between H and L when counted from the left of H?

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



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Q53 Floor/Building Arrangement

A, G, H, P, S and Y live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on, till the topmost floor, which is numbered 6.

Only H lives above Y. A lives immediately below Y. Only G lives below S.

Who lives on floor number 3?

A. Y

B. P



C. A

D. H

Q54 Floor/Building Arrangement

H, I, J, L, M and N live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on, till the topmost floor, which is numbered 6.

Only four people live below L. J lives on a floor above L.

Only N lives below H. I lives on an even-numbered floor.

How many people live below M?

A. Four

B. Two



C. One

D. Three

Q55 Group Pattern

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

RSP NOL JKH FGD ?

A. BCZ



B. BBY

C. BCE

D. BDY

Q56 Letter Analogy

LN 12 is related to GI 6 in a certain way. In the same way, SU 22 is related to NP 11. To which of the following is VX 18 related to following the same logic?

A. PR 9

B. QS 9



C. SU 7

D. RT 7

Q57 Letter Series

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

(Left) T G O U P M U O A K A A T J P L I T U E E V (Right)

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

A. 4

B. 3

C. 2



D. 1

Q58 Letters Between Two Positions

This question is based on the following words.

(Left) TUG ZAX JAW LID (Right)

How many letters are there between the third letter of the third word from the right and the first letter of the first word from the left, as per the English alphabetical order?

A. 4

B. 3



C. 2

D. 6

Q59 Letters in a Given Word

This question is based on the given words.

VAN LOG ZIP GUM

If in each of the words, each letter is changed to the next letter in the English alphabetical order, how many words thus formed will have no vowel?

A. Two



B. One

C. None

D. Three



Q60 Letters in a Given Word

Each vowel in the word COMPANY 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 be fifth from the right in the new group of letters thus formed?

A. B

B. L



C. O

D. M

Q61 Missing Number

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

24 29 37 48 62 ?

A. 79



B. 81

C. 83

D. 77

Q62 Multiple Turns

Vimal starts from Point A and drives 25 km towards the north. He then takes a left turn, drives 15 km, turns left and drives 26 km. He then takes a left turn and drives 19 km. He takes a final left turn, drives 1 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 4 km to the west

B. 4 km to the east



C. 5 km to the east

D. 5 km to the west

Q63 Number Series

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

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

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

A. Two

B. More than three

C. Three



D. One

Q64 Operation Based

4 is related to 63 following a certain logic. Following the same logic, 3 is related to 26. To which of the following is 5 related, following the same logic?

(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.)

A. 127

B. 125

C. 124



D. 126

Q65 Operation Based

Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, a certain mathematical operation on the second number results in the third number and so on. Which of the given options follows the same set of operations as in the question? (NOTE: A two/three digit number cannot be broken into individual digits for operations.)

5 – 15 – 30 – 40 ; 6 – 18 – 36 – 46

A. 7 – 21 – 42 – 52



B. 9 – 27 – 54 – 60

C. 8 – 24 – 36 – 48

D. 10 – 30 – 50 – 70

Q66 Operation Based Coding

If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 1543862, what will be the sum of the digits that are second from the left and third from the right?

A. 10

B. 11

C. 12



D. 13

Q67 Operator Swap

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

$217 \div 62 \times 434 - 493 + 307 = ?$

A. 217



B. 127

C. 271

D. 227



Q68 Operator Swap

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

$$84 + 1 - 1 \times 1 \div 9 = ?$$

A. 76



B. 77

C. 78

D. 79

Q69 Pattern Based

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: IDA :: CXU : %

A. # = WRO, % = OKG

B. # = WRO, % = OJP

C. # = WRO, % = OJG



D. # = CRO, % = OJG

Q70 Pattern Based

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

FWU : EYR

JVF : IXC

A. UQG : TSC

B. KJN : JKK

C. DHE : CJA

D. NGQ : MIN

**Q71 Position Pattern**

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the 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. PTV

B. OSU

C. AFG



D. BFH

Q72 Position Pattern

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. ABD

B. BDE



C. QRT

D. XYA

Q73 Rearrangement of Letters

Each letter in the word EARLIER is arranged in the English 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 third from the right in the new letter-cluster thus formed?

A. 2



B. 3

C. 5

D. 1

Q74 Single Row (One-way/Both-way)

Six people, C, D, E, O, P and Q, are sitting in a row, facing north.

Only two people sit between C and P. E sits to the immediate left of P. No one sits to the right of D. Only two people sit between D and E. O sits to the immediate right of C.

How many people sit between Q and O?

A. None

B. Three

C. Two



D. One

Q75 Symbol Based

In a certain code language,

A + B means 'A is the sister of B',

A - B means 'A is the son of B',

A × B means 'A is the husband of B',

and A ÷ B means 'A is the daughter of B'.

How is P related to T if 'P + Q - R × S ÷ T'?

A. Son's daughter

B. Daughter

C. Daughter's daughter



D. Sister



Q76 Symbol Based

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 Ranbir related to Kajal if 'Ranbir + Kartik × Himansh % Sunny - Kajal'?

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

Q77 Symbol Included Pattern

Refer to the given letter, number and symbol series and answer the question that follows. All numbers are single-digit numbers.

(Left) U \$ % Q 4 3 Y © G U 8 3 6 @ & Q 3 5 K # 1 K (Right)

If all the letters are dropped from the series, which of the following will be sixth from the left?

- A. ©
- B. 8
- C. @
- D. 3

Q78 Two Statement Syllogism

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

Statements:

Some fruits are vegetables.
All vegetables are animals.

Conclusions:

- (I) Some animals are fruits.
- (II) Some fruits are not animals.

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

Q79 Two Statement Syllogism

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

Statements:

Some desks are halls.
No hall is a table.

Conclusions:

- (I) No desk is a table.
- (II) Some tables are halls.

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

Q80 Two Statement Syllogism

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

Statements:

All swans are ducks.
Some swans are fish.

Conclusions:

- (I) Some fish are ducks.
- (II) Some ducks are swans.

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



Q81 Civilian Awards

For which of the following sports did Vijay Amritraj receive the Padma Bhushan in the 2026 investiture ceremony at Rashtrapati Bhavan?

- A. Badminton
- B. Tennis ✓
- C. Chess
- D. Cricket

Q82 Civilian Awards

Which domestic enforcement or emergency branch under the Ministry of Home Affairs secured the largest majority share of the 101 President's Medals for Distinguished Service (PSM) declared on Republic Day 2026?

- A. Correctional Service
- B. Fire Service
- C. Civil Defence & Home Guard Service
- D. Police Service ✓

Q83 Civilian Awards

Who among the following, known for preserving and promoting the traditional embroidery craft of West Bengal while empowering rural women artisans, was selected to receive the Padma Shri from President Droupadi Murmu at the ceremony held on May 25, 2026?

- A. Sivasankari
- B. Rabilal Tudu
- C. Tripti Mukherjee ✓
- D. Saroj Mandal

Q84 Climate Agreements & Protocols

In May 2026, which international body formally backed a landmark International Court of Justice (ICJ) advisory opinion, stating that countries have a legal obligation to reduce greenhouse gas emissions?

- A. The UN General Assembly ✓
- B. The World Trade Organization
- C. The International Criminal Court
- D. The UN Security Council

Q85 HDI, GHI, etc.

What was India's rank in the Global Peace Index (GPI) 2025?

- A. 112
- B. 115 ✓
- C. 114
- D. 113

Q86 Indirect Tax & GST

Which state reported the highest GST growth among all states in India for the financial year 2025–26, recording a 28.4% increase in collections amounting to ₹845 crore?

- A. Nagaland ✓
- B. Sikkim
- C. Arunachal Pradesh
- D. Meghalaya

Q87 Individual Records

Who created tennis history at the 2026 Australian Open by becoming the youngest male player ever to complete the career Grand Slam in singles?

- A. Jannik Sinner
- B. Alexander Zverev
- C. Carlos Alcaraz ✓
- D. Casper Ruud

Q88 Key Announcements

What major AYUSH infrastructure initiative was announced in the Union Budget 2026–27 to strengthen India's position as a global centre for traditional medicine?

- A. Closing the WHO Traditional Medicine Centre to upgrade private facilities
- B. Establishing three new All India Institutes of Ayurveda ✓
- C. Banning the export of all Ayurvedic products to ensure domestic supply
- D. Shifting AYUSH funding entirely to state governments



Q89 Missile Tests & Systems

DRDO successfully demonstrated Solid Fuel Ducted Ramjet (SFDR) technology on February 3, 2026, from which test range, placing India in an elite league of nations capable of developing long-range air-to-air missiles?

- A. Suryalanka Air Force Station, Andhra Pradesh
- B. Abdul Kalam Island, Odisha
- C. Integrated Test Range (ITR), Chandipur, Odisha ✓
- D. Pokhran Test Range, Rajasthan

Q90 Modern Indian Authors

Who among the following is the author of the book 'Zubeen Garg: The Voice that Bridged Worlds' published in May 2026?

- A. Jahnvi Barua
- B. Prosenjit Nath ✓
- C. Parismita Singh
- D. Anuradha Sharma

Q91 Modern Indian Authors

'Mahatma: A Great Communicator' published in 2026 is written by which Indian author?

- A. Dr. Dhiraj Kakadia ✓
- B. Vikram Seth
- C. Shashi Tharoor
- D. Amish Tripathi

Q92 National Current Affairs

During a seminar held in January 2026 at Kalinga Institute of Social Sciences (KISS), Bhubaneswar, the localisation of Sustainable Development Goals (SDGs) was linked to which national vision?

- A. Digital India
- B. Atmanirbhar Bharat
- C. Viksit Bharat ✓
- D. Make in India

Q93 New Apps & Portals

Which legislation is primarily associated with the SHE-Box platform highlighted in government communications during 2026?

- A. Protection of Women from Domestic Violence Act, 2005
- B. Sexual Harassment of Women at Workplace Act, 2013 ✓
- C. Dowry Prohibition Act, 1961
- D. Prohibition of Child Marriage Act, 2006

Q94 New Guidelines & Regulations

In April 2026, the RBI issued directions for implementing the Standardised Approach (SA) for Credit Risk, aligning with Basel III finalization norms. What is the primary implementation date set for banks to comply with this new capital charge framework?

- A. January 1, 2026
- B. March 31, 2028
- C. October 1, 2026
- D. April 1, 2027 ✓

Q95 New Parks & Reserves

Which of the following bird sanctuaries was included in the list of Ramsar sites in January 2026?

- A. Nagi Bird Sanctuary
- B. Vedanthangal Bird Sanctuary
- C. Patna Bird Sanctuary ✓
- D. Chilika Bird Sanctuary

Q96 Recent ISRO Missions

Which of the following satellites was successfully launched during the 5th operational flight (LVM3-M5) of the LVM3 launch vehicle in November 2025?

- A. CMS-02
- B. GSAT-24
- C. CMS-03 ✓
- D. INSAT-3DS

Q97 Recent ISRO Missions

What is the location where ISRO (Indian Space Research Organisation) has undertaken mission MITRA in April 2026?

- A. Dehradun, Uttarakhand
- B. Leh, Union Territory of Ladakh ✓
- C. Shimla, Himachal Pradesh
- D. Srinagar, Jammu and Kashmir



Q98 Recent Tournaments

The 23rd edition of the FIFA World Cup, scheduled to be held in June and July 2026, is historically significant for being co-hosted by which group of nations?

- A. Brazil, Argentina, and Uruguay
- B. Japan, South Korea, and Australia
- C. Germany, France, and the Netherlands
- D. Canada, Mexico, and the United States

**Q99 Recent Tournaments**

In which of the following states was the Bholath Hockey Cup held in March 2026?

- A. Haryana
- B. Punjab
- C. Uttar Pradesh
- D. Rajasthan

**Q100 Summits & Conferences**

The India AI Impact Summit 2026, the first global AI summit hosted in the Global South and set a Guinness World Record for the most AI responsibility pledges received in 24 hours, was held at which venue in New Delhi?

- A. Jawaharlal Nehru Stadium
- B. India International Centre
- C. Bharat Mandapam
- D. Vigyan Bhawan



General Science

25 Questions • Answer Key

Q1 Atomic Structure & Models

Which of the following properties do isobars have in common?

- A. Number of protons
- B. Mass number**
- C. Atomic number
- D. Physical nature

Q2 Atomic Structure & Models

Which of the following best describes Thomson's model of an atom?

- A. An atom consists of a positively charged sphere with electrons embedded in it.**
- B. Electrons revolve around the nucleus in fixed orbits.
- C. Electrons are randomly placed outside the atom.
- D. An atom is a dense positively charged nucleus with electrons outside.

Q3 Balancing Chemical Equations

During balancing of the following equation, a student first balances hydrogen instead of oxygen.



What is the main difficulty this approach may cause?

- A. Oxygen atoms remain highly unequal**
- B. Coefficients become impossible values
- C. Law of conservation becomes invalid
- D. Chemical formulas must be modified

Q4 Carbon & Its Compounds

Which sequence correctly represents the formation stages of coal?

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

Q5 Current Electricity (Ohm's Law, Circuits)

Which of the following is a practical reason for using a series combination of resistors in an electrical circuit?

- A. To increase total resistance and limit current**
- B. To increase the current in the circuit
- C. To maintain the same voltage across each resistor
- D. To decrease voltage across each resistor

Q6 Current Electricity (Ohm's Law, Circuits)

Which combination of symbols would you use to indicate a wire joint in a schematic circuit diagram?

- A. A dot at the intersection of two lines**
- B. A rectangle
- C. Lines crossing without a dot
- D. Two parallel lines

Q7 Five Kingdom Classification

A field biologist observes a rapid increase in soil minerals after the introduction of a decomposer organism in a forest plot. Which feature of this organism most likely facilitated the increase in mineral content?

- A. Cellulose cell wall formation
- B. Absorption of nutrients by mycelium**
- C. Ingestion of organic material
- D. Photosynthesis for energy production

Q8 Human Body & Physiology

Which epithelial tissue is found in the lining of the kidney tubules?

- A. Squamous
- B. Columnar
- C. Cuboidal**
- D. Ciliated



Q9 Human Eye & Defects

Which defect of vision is caused by the eye's lens focusing images in front of the retina, making distant objects appear blurry, and can be corrected using a concave lens?

- A. Myopia ✓
- B. Presbyopia
- C. Astigmatism
- D. Hypermetropia

Q10 Hydrocarbons (Methane, Ethane, etc.)

Which saturated hydrocarbon has the molecular formula as C_3H_6 ?

- A. cyclopropane ✓
- B. propane
- C. propene
- D. propyne

Q11 Important Salts & Their Uses

During the preparation of baking soda in the laboratory, which gas is essential for its formation along with ammonia and water?

- A. Hydrogen
- B. Carbon dioxide ✓
- C. Nitrogen
- D. Oxygen

Q12 Mechanics

A Distance-Time graph shows a curve that starts steep and gradually becomes flatter (slope decreasing). This motion represents _____.

- A. Positive acceleration
- B. Constant, negative velocity
- C. Deceleration ✓
- D. Zero acceleration

Q13 Mixtures, Solutions, Colloids

Which of the following is an example of a homogeneous mixture?

- A. Sand and water
- B. Sugar dissolved in water ✓
- C. Oil and water
- D. Iron filings and sulfur

Q14 Nervous System & Brain

Which part of the human brain is responsible for most thinking activities?

- A. Fore-brain ✓
- B. Cerebellum
- C. Mid-brain
- D. Hind-brain

Q15 Nervous System & Brain

Which of the following structures connect the brain to the muscles?

- A. Bones
- B. Blood
- C. Glands
- D. Nerves ✓

Q16 Newton's Laws of Motion

A car of mass 1000 kg increases its velocity from 10 m/s to 20 m/s in 5 seconds. What is the force exerted on the car?

- A. 1500 N
- B. 2000 N ✓
- C. 1000 N
- D. 2500 N

Q17 Photosynthesis

In plants, carbohydrates produced during photosynthesis are stored in which form?

- A. Cellulose
- B. Protein
- C. Starch ✓
- D. Glycogen

Q18 Physical & Chemical Properties

Which of the following sets correctly represents physical properties commonly exhibited by most metals?

- A. Brittle, non-lustrous, poor conductor of heat
- B. Dull, malleable, non-sonorous
- C. Lustrous, malleable, good conductor of electricity ✓
- D. Soft, non-ductile, poor conductor of electricity



Q19 Plant Kingdom (Divisions)

A plant sample, when tested, has vascular tissues (xylem and phloem) but no seeds. Which group does it belong to?

- A. Thallophyta
- B. Gymnosperm
- C. Bryophyta
- D. Pteridophyta

**Q20 Plant Tissues & Transport**

A botanist observes a plant stem that bends easily without breaking and is investigating the tissue beneath the epidermis. Which type of simple permanent tissue is most likely responsible for this flexibility?

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

**Q21 Pollution (Air, Water, Soil, Noise)**

Which of the following environmental problems is related to the penetration of harmful UV rays into our atmosphere?

- A. Acid rain
- B. Greenhouse effect
- C. Ozone hole
- D. Global warming

**Q22 Reflection & Refraction**

A student measures the absolute refractive index of water as 1.33. What does this mean about the speed of light in water compared to air?

- A. Light travels faster in water by a factor of 1.33 compared to air
- B. Light speed is the same in water and air
- C. Light can not travel through water at all.
- D. Light travels slower in water by a factor of 1.33 compared to air

**Q23 Reflection & Refraction**

A beam of white light passes through a glass prism and splits into different colors. Which physical phenomenon is primarily responsible for the separation of colors after refraction through the prism?

- A. Dispersion of light
- B. Absorption of light
- C. Scattering of light
- D. Reflection of light

**Q24 Work, Energy & Power**

Which of the following does NOT possess potential energy (with respect to the ground)?

- A. Water stored in a dam
- B. A freely falling body at ground level
- C. A stone on the roof
- D. A compressed spring

**Q25 Work, Energy & Power**

For work to be considered done on an object, which two conditions must be met?

- A. A force must act on the object, and the object must move.
- B. The object must move fast, and the force must be constant.
- C. The object must be heavy, and the force must be large.
- D. The force must be applied for a long time, and the object must be at rest.

**Mathematics**

25 Questions • Answer Key

Q26 Annual Compounding

Find the amount obtained on ₹2,000 after 2 years at 12% per annum compound interest, compounded annually.

- A. ₹2,508.80
- B. ₹2,450.80
- C. ₹2,520.80
- D. ₹2,608.80



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Q27 Annual Compounding

Sachin deposited a sum of ₹14,525 at 20% rate of interest per annum, compounded annually. The total amount received by Sachin after 2 years is:

A. ₹21,073

B. ₹20,720

C. ₹20,916



D. ₹20,910

Q28 Average Speed

A car covers a total distance of 360 km. It covers the first 120 km at 40 km/h. Of the remaining distance, it then covers one-third at 60 km/h and the rest at a constant speed v . If the car's overall average speed for the whole trip is 60 km/h, what is the value of v ?

A. 100 km/h

B. 85 km/h

C. 96 km/h



D. 90 km/h

Q29 Basic Ratio

If $x : y = 3 : 5$ and $y : z = 2 : 3$, find the value of $x : y : z$.

A. 3 : 5 : 7

B. 6 : 10 : 15



C. 3 : 7 : 5

D. 1 : 2 : 3

Q30 Basic TSD

Kaushal travelled for 5 hours 52 minutes at the speed of 45 km/h. At what speed (in km/h) should he travel to cover the same distance in 24 hours?

A. 11



B. 12

C. 9

D. 8

Q31 Chord Properties

The length of the diameter of a circle is 26 cm and the length of a chord of the circle is 10 cm. Find the distance (in cm) of the chord from the centre of the circle.

A. 16

B. 18

C. 12



D. 14

Q32 Cube & Cuboid

A cuboid measures 30 cm $\times$ 24 cm $\times$ 18 cm. It is painted on all its outer surfaces and then cut into small cubes of side 2 cm. How many of the small cubes have paint on exactly two faces?

A. 128

B. 120



C. 124

D. 132

Q33 Dividing Quantity in Ratio

A paint mixture is made by mixing blue and white paint in the ratio 7 : 2. If a painter uses 315 liters of blue paint, how much total paint mixture will be prepared?

A. 350 liters

B. 405 liters



C. 420 liters

D. 490 liters

Q34 Find SI

Find the simple interest (in ₹) on a sum of ₹500 borrowed for 4.5 years at a rate of interest of 12% per annum.

A. 320

B. 250

C. 270



D. 370

Q35 Finding Value from Percentage

There are only two candidates contesting the election. A person who got 25% votes lost by 500 votes. Assuming that there were no invalid votes, the total number of votes casted are:

A. 4000

B. 2000

C. 3000

D. 1000

**Q36 Laws of Indices**

Given that $86^{0.2} = x$, $86^{0.35} = y$ and $x^z = y^9$, then the value of z is:

A. 16.25

B. 14.75

C. 17.25

D. 15.75



Q37 Multiple Pipes

Pipe A can fill a tank in 3 hours, pipe B can fill the same tank in 8 hours and pipe C can fill the same tank in 24 hours. The time taken (in hours) by them to fill half of the same tank if they operate together is:

A. 4

B. 2

C. 3

D. 1

**Q38 Percentage Increase/Decrease**

The cost of a washing machine is 50% less than the cost of a TV. If the cost of the washing machine increases by 76% and that of the TV decreases by 37%, then what is the percentage change in the total cost of 4 washing machines and 3 TVs?

A. Decrease by 5%

B. Increase by 8.2%



C. Increase by 13%

D. Decrease by 16%

Q39 Profit/Loss Percentage

Mukesh, a trader, buys a certain number of pens at ₹5 per pen. He sells two-thirds of the pens at a 25% profit and the remaining pens at a 10% loss. If the overall profit made by Mukesh is ₹360, how many pens did he buy?

A. 530

B. 580

C. 550

D. 540

**Q43 Fraction Operations**

Simplify: $\left(\frac{7}{8} \div \frac{7}{16}\right)$.

A. 1

B. 3

C. 2

D. 4

**Q40 Successive Discount**

The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 66% and 88%, shop II allows successive discounts of 78% and 70%, shop III allows successive discounts of 89% and 35% and shop IV allows successive discounts of 27%, 65% and 59% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

A. III

B. IV

C. II

D. I

**Q41 Weighted Average**

The average monthly expenditure of a family is ₹3,200 during the first three months, ₹3,550 during the next four months, and ₹4,120 during the last five months of the year. If the total savings during the year was ₹2,265, what is the average monthly income?

A. ₹4,380

B. ₹4,234.60

C. ₹3,880

D. ₹3,888.75

**Q42 $a^3+b^3+c^3-3abc$**

If $a + b + c = 6$, $abc = -60$ and $a^3 + b^3 + c^3 = 162$, find the value of $ab + bc + ca$.

A. -21

B. -7



C. 11

D. 14



Q44 Mean of Grouped Data

What is the value of $(6x + 3y)$, if mean of the following distribution is 62?

Class	0-20	20-40	40-60	60-80	80-100	Total
Frequency	2	16	x	8	y	50

A. 65

B. 71

C. 77

D. 81

**Q45 Median**

Find the median from the following data.

Age in years	20-30	30-40	40-50	50-60	60-70	70-80	80-90
No. of patients	21	25	13	11	10	37	23

A. 79

B. 60

C. 48

D. 72

**Q46 Pythagorean Identities**

If $\frac{\tan\theta - 1 + \sec\theta}{\tan\theta + 1 - \sec\theta} = N \cdot \frac{1 + \sin\theta}{\cos\theta}$, then the value of $\frac{1}{N}$ is:

A. ∞ B. $\tan\theta$

C. 1

D. $\operatorname{cosec}\theta$ **Q47 Pythagorean Identities**

If $\sin(\theta) = \frac{3}{5}$, where θ is an acute angle, find the value of $\cos(\theta)$.

A. $\frac{5}{4}$ B. $\frac{3}{4}$ C. $\frac{3}{5}$ D. $\frac{4}{5}$ 

Q48 Sector Area & Arc Length

The radius of a circle is 9 cm. Find the area (in cm^2) of the sector whose central angle is 72° .

(Use $\pi = \frac{22}{7}$ and round off your answer to 2 decimal places.)

A. 72.36

B. 56.82

C. 48.23

D. 50.91

**Q49** Surds

Simplify:

$$(3\sqrt{5} + 2\sqrt{3})^2 - (3\sqrt{5} - 2\sqrt{3})^2.$$

A. $36\sqrt{3}$

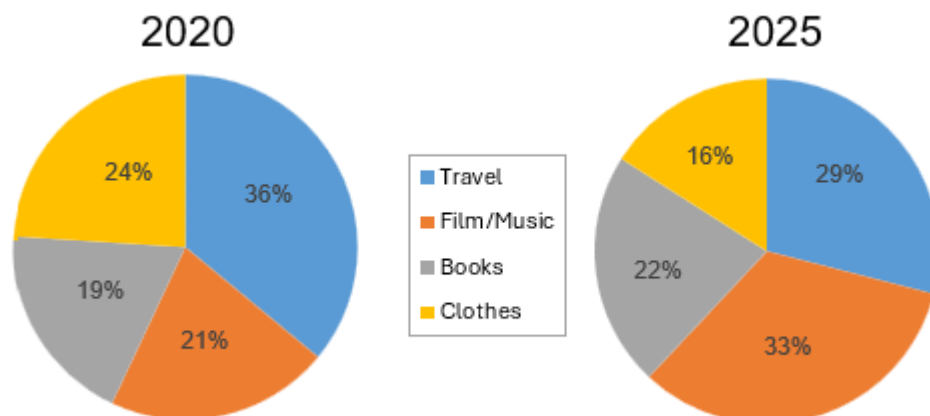
B. $30\sqrt{15}$

C. $18\sqrt{5}$

D. $24\sqrt{15}$

**Q50** Year-on-Year Comparison

The pie charts illustrate the distribution of online sales (with the total amount remaining the same (in ₹) for both years) across various retail sectors in New Zealand for 2020 and 2025.



By how many percentage points did the share of Film & Music change from 2020 to 2025?

A. 16%

B. 22%

C. 12%

D. 17%



Q51 Alphabetical Pattern

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

HKG CFB XAW SVR ?

- A. NRL
- B. NOQ
- C. NQM
- D. NPL

**Q52 Facing Center**

D, F, G, H, J, K and L are sitting around a circular table facing the centre.

Exactly two people sit between G and F when counted from the left of F. L and H are immediate neighbours of J. Exactly one person sits between H and D when counted from the right of D. How many people sit between J and F when counted from the left of J?

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

**Q53 Facing Center**

Seven students, I, J, K, P, Q, R and Z, are sitting around a circular table, facing the center of the table.

Only two people sit between R and K. Only one person sits between I and Z when counted from the right of I. Only one person sits between Z and K. Only one person sits between I and P. Only one person sits between J and P.

Who sits fourth to the right of Q?

- A. R
- B. J
- C. K
- D. Z

**Q54 Floor/Building Arrangement**

Seven boxes, E, F, G, H, W, X and Y, are kept one over the other, but not necessarily in the same order.

Only W is kept below E. G is kept above Y. Only one box is kept above Y. Only X is kept between Y and F.

How many boxes are kept between H and W?

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

**Q55 Floor/Building Arrangement**

Seven boxes I, J, K, Q, R, S and T are kept one over the other but not necessarily in the same order. Only four boxes are kept above K. Only one box is kept above Q. Only one box is kept between Q and I. R is kept immediately above J. S is kept at some place below T. How many boxes are kept between T and J?

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

**Q56 Floor/Building Arrangement**

A, G, H, P, S and Y live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on, till the topmost floor, which is numbered 6.

A lives on floor number 4. Only two people live between A and G. Only Y lives between A and H. P lives just below A. Who lives on floor number 2?

- A. P
- B. H
- C. S
- D. Y

**Q57 Letters in a Given Word**

This question is based on the following words:

HEN INK BUS BAT

In each of the words, each vowel is changed to the letter following it in the English alphabetical order and each consonant is changed to the letter preceding it in the English alphabetical order.

In how many letter-clusters thus formed will no vowel appear?

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



Q58 Letters in a Given Word

This question is based on the given words.

DAN REX MIS LEO

In each of the words, each vowel 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. In how many letter-clusters thus formed, will no vowel appear?

A. Four



B. Three

C. Two

D. One

Q59 Linear Family Relations

S is wife of T. T is brother of U. U is mother of V. How is S related to V?

A. Sister

B. Mother's Brother's Wife



C. Mother

D. Mother's Mother

Q60 Mathematical Operations

If 1 is added to each even digit and 2 is subtracted from each odd digit in the number 74295863, how many digits will appear more than once in the new number thus formed?

A. Two

B. Three



C. Zero

D. One

Q61 Missing Number

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

59 71 84 98 113 ?

A. 129



B. 127

C. 131

D. 133

Q62 Multiple Turns

Mr. Namgyal starts from Point A and drives 31 km towards east. He then takes a right turn, drives 39 km, turns right and drives 51 km. He then takes a right turn and drives 4 km. Next, he takes a right turn, drives 12 km, turns left and drives 15 km. He then takes a final right turn, drives 8 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (Note: All turns are 90 degree turns only, unless specified.)

A. 24 km towards west

B. 20 km towards north



C. 22 km towards south

D. 20 km towards east

Q63 Operation Based

Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, a certain mathematical operation on the second number results in the third number. Which of the given options follows the same set of operations as in the question?

(NOTE: A two/three digit number cannot be broken into individual digits for operations. E.g. if 37 is followed by 10, the operation cannot be 3+7 as a two-digit number cannot be broken into individual digits.)

12 - 228 - 684 ;

18 - 342 - 1026

A. 16 - 304 - 912



B. 19 - 361 - 1066

C. 15 - 285 - 866

D. 11 - 209 - 667

Q64 Operation Based

Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, certain mathematical operation on the second number results in the third number and so on. Which of the given options follows the same set of operations as in question?

(NOTE - A two/three digit number cannot be broken into individual digits for operations, e.g., if 37 is followed by 10, the operation cannot be 3+7 as a two digit number cannot be broken into individual digits.)

2 - 13 - 33 - 40 ; 8 - 19 - 51 - 58

A. 10 - 23 - 63 - 70

B. 5 - 16 - 54 - 61

C. 7 - 18 - 48 - 41

D. 6 - 17 - 45 - 52



Q65 Operator Swap

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

$$245 \div 64 \times 448 - 562 + 381 = ?$$

A. 206

B. 126

C. 216



D. 226

Q66 Operator Swap

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

$$23 - 4 + 2 \times 4 \div 6 = ?$$

A. 42

B. 48



C. 46

D. 44

Q67 Pattern Based

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: DGF :: PSR : %

A. # = AFE , % = SVU

B. # = ADC , % = SUV

C. # = ADB , % = RUT

D. # = ADC , % = SVU

**Q68 Pattern Based**

KHFM is related to QNLS in a certain way based on the English alphabetical order. In the same way, GDBI is related to MJHO. To which of the following is NKIP related, following the same logic?

A. QTVO

B. TQOV



C. QTOV

D. TQVO

Q69 Pattern Based

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

JFG-DZA

XTU-RNO

A. YTT-SOP

B. YUV-ROO

C. YUV-SOP



D. YTT-RNO

Q70 Position Pattern

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. PS - TW

B. JM - NQ

C. QT - UX

D. MP - RT

**Q71 Position Pattern**

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the 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. MNK

B. BCZ

C. PQN

D. KMI

**Q72 Rearrangement of Letters**

Each letter in the word DISTANT is arranged in the English 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 third from the right in the new letter-cluster thus formed?

A. 6

B. 4



C. 3

D. 2



Q73 Rearrangement of Letters

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

A. One

B. Two 

C. Four

D. Three

Q74 Symbol Based

In a certain code language,

A + B means 'A is the sister 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 son of B'.

How is P related to T if 'P + Q - R × S ÷ T'?

A. Sister

B. Son's daughter 

C. Daughter's daughter

D. Daughter

Q75 Symbol Included Pattern

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

(Left) X % \ \$ W U C N P R G N * A Y # T V A W O (Right)

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

A. Two 

B. Four

C. One

D. Three

Q76 Symbol Included Pattern

Refer to the following letter, symbol series and answer the question.

(Left) N L + B ^ H & # & J K + ? N + ? \$ J B O P (Right)

If all the letters are dropped from the series, which of the following will be seventh from the right?

A. # 

B. ?

C. @

D. +

Q77 Symbol Included Pattern

Refer to the given letter, number and symbol series and answer the question that follows. All numbers are single-digit numbers.

(Left) M J € M 2 5 P & * T Z 6 E A # * 7 % Z & B * (Right)

If all the symbols are dropped from the series, which of the following will be fourth from the left?

A. 5

B. 2 

C. *

D. P

Q78 Two Statement Syllogism

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

Statements:

Some dogs are birds.
 All birds are pets.

Conclusions:

- (I) Some pets are not dogs.
 (II) Some dogs are pets.

A. Only conclusion (I) follows

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

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

D. Only conclusion (II) follows **Q79 Two Statement Syllogism**

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

Statements:

All tigers are kiwis.
 No tiger is a pigeon.

Conclusions:

- (I) No kiwi is a pigeon.
 (II) Some pigeons are tigers.

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

B. Only conclusion (II) follows

C. Only conclusion (I) follows

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

Q80 Word to Code Mapping

In a certain code language, 'have some lunch' is coded as 'cq xg ku' and 'they have left' is coded as 'ku nv hm'. How is 'have' coded in that language? (All the codes are two-letter codes only.)

A. ku



B. hm

C. xg

D. cq

General Awareness

20 Questions • Answer Key

Q81 Civilian Awards

In early 2026, which individual from Chhattisgarh was recognized for outstanding contributions in Social Work with the Padma Shri award?

A. Ms. Anjali Deshmukh

B. Dr. Budhri Tati



C. Mr. Suresh Patel

D. Dr. Sunil Kumar

Q82 Civilian Awards

In 2026, which individual was honoured for their exceptional service in disaster management with the Subhash Chandra Bose Aapda Prabandhan Puraskar?

A. Lieutenant Colonel Seeta Ashok Shelke



B. Dr. Prakash Singh

C. Major General Rakesh Sharma

D. Ms. Sunita Kumari

Q83 Constitutional Posts

Who had assumed office as the Chief Minister of Tamil Nadu on 10 May 2026 representing the Tamilaga Vettri Kazhagam party?

A. K. Annamalai

B. M. K. Stalin

C. Edappadi K. Palaniswami

D. C. Joseph Vijay

**Q84 Cricket (IPL, WC, etc.)**

In May 2026, the Elite National Physical Disability Cricket Championship final was hosted in _____.

A. Hyderabad

B. Raipur

C. Jaipur

D. Bengaluru

**Q85 Economic Current Affairs**

In February 2026, NABARD released State Focus Papers primarily for planning which activity?

A. Urban development corridor planning

B. Renewable energy export planning

C. Priority sector credit planning



D. Defence budget expenditure planning

Q86 Famous Works & Authors

The novel Taiwan Travelogue, which won the prestigious International Booker Prize in 2026, was originally written by which author?

A. Chi Ta-wei

B. Yang Shuang-zi



C. Lin King

D. Wu Ming-Yi



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Q87 Government Policies & Schemes

In May 2026, NITI Aayog convened the first meeting of a high-powered standing committee to boost India's global services market share. What is the target share and the specific goal set for 2047?

- A. 10% share of the global services market; Viksit Bharat vision ✓
- B. 15% share of global trade; 100 million new jobs
- C. 5% share of global manufacturing; \$500 billion exports
- D. 8% share of global services; \$1 trillion exports

Q88 HDI, GHI, etc.

According to the second edition of the North Eastern Region (NER) District Sustainable Development Goals (SDG) Index Report (2023-24) released by NITI Aayog, which district recorded the highest score in the North Eastern Region Sustainable Development Goals (NER SDG) Index 2023-24?

- A. Hnahthial (Mizoram) ✓
- B. Aizawl (Mizoram)
- C. Agartala (Tripura)
- D. Gangtok (Sikkim)

Q89 IT Policies & Regulation

The Promotion and Regulation of Online Gaming Rules, 2026, came into force on _____.

- A. 1stApril 2026
- B. 1stFebruary 2026
- C. 1stMay 2026 ✓
- D. 1stMarch 2026

Q90 India's Foreign Relations

Which initiative was announced in 2025 by India and the United Kingdom to advance digital inclusion and develop secure and innovative communications by linking university research with lab testing, field trials, and market deployment?

- A. India-UK Emerging Technologies Partnership Platform
- B. India-UK Cyber Security Cooperation Framework
- C. India-UK Connectivity and Innovation Centre ✓
- D. India-UK Digital Trade Facilitation Mechanism

Q91 International Sports Awards

Who won the Laureus World Sportsman of the Year award at the 2026 Laureus World Sports Awards held in Madrid?

- A. Mondo Duplantis
- B. Tadej Pogačar
- C. Lando Norris
- D. Carlos Alcaraz ✓

Q92 International Sports Awards

Which football club won the Laureus World Team of the Year Award at the 2026 Laureus World Sports Awards, having swept six titles including their first-ever UEFA Champions League title?

- A. Real Madrid
- B. FC Barcelona
- C. Paris Saint-Germain ✓
- D. Manchester City

Q93 Missile Tests & Systems

Which specific indigenously developed weapon system completed its final deliverable configuration development trials in May 2026?

- A. SANT-M1
- B. Helina-V2
- C. ULPGM-V3 ✓
- D. Akash-NG

Q94 New Schemes & Programs

What was the name of the initiative organised by the Ministry of Environment, Forest and Climate Change on the sidelines of TERI's World Sustainable Development Summit 2026 in New Delhi to connect Himalayan researchers with industry and policymakers?

- A. Mountain Research Network
- B. Him-CONNECT ✓
- C. Himalayan Outreach Mission
- D. Him-SAMVAD



Q95 New Schemes & Programs

Under the nationwide immunization campaign launched in February 2026, which precise age group of adolescent girls is eligible to receive the Gardasil-4 vaccine free of cost?

A. 9 years old

B. 14 years old



C. 16 years old

D. 11 years old

Q96 New Schemes & Programs

The Prime Minister's Internship Scheme, launched in October 2024, was expanded in April 2026 to include which additional category of applicants?

A. School students from Classes 9 to 12

B. Retired government employees below 60 years

C. Foreign students studying in Indian universities

D. Final-year graduate and post-graduate students

**Q97 New Schemes & Programs**

In May 2026, the Target Olympic Podium Scheme (TOPS) was restructured to become the single nodal point for how many sports disciplines?

A. 10

B. 36

C. 27



D. 15

Q98 Policy Changes & Amendments

Which act forms the basis for the National Sports Governance (National Sports Board) Rules, 2026?

A. Sports Development Act, 2023

B. Sports Regulation Act, 2022

C. National Sports Governance Act, 2025



D. National Sports Policy, 2024

Q99 Policy Changes & Amendments

As per the Immigration and Foreigners (Amendment) Rules, 2026, notified by Ministry of Home Affairs in June 2026, foreigners arriving in India for up to how many days must register themselves before the expiry of their visa if they seek to extend their stay in the country?

A. 250 days

B. 180 days



C. 210 days

D. 240 days

Q100 Treaties & Agreements

Which two countries signed a Statement of Intent to enhance cooperation in artificial intelligence and digital technologies on the sidelines of the India AI Impact Summit 2026?

A. India and France

B. India and Sweden



C. India and Japan

D. India and Germany



General Science

25 Questions • Answer Key

Q1 Atomic Structure & Models

Consider two elements, X with atomic number 7 and Y with atomic number 8. Which of the following is correct about their number of protons?

- A. Both have no protons.
- B. Both have same number of protons.
- C. X has one more proton than Y.
- D. Y has one more proton than X. ✓

Q2 Balancing Chemical Equations

Which of the following reactions violates the Law of Conservation of Mass?

- A. $2\text{H}_2 + \text{O}_2 \rightarrow 2\text{H}_2\text{O}$
- B. $2\text{Mg} + \text{O}_2 \rightarrow \text{MgO}$ ✓
- C. $\text{Ca} + \text{Cl}_2 \rightarrow \text{CaCl}_2$
- D. $\text{H}_2 + \text{Cl}_2 \rightarrow 2\text{HCl}$

Q3 Basic Organic Chemistry

Why does carbon form a large number of compounds?

- A. Because carbon forms only single bonds
- B. Because the carbon-carbon bond is very strong and stable ✓
- C. Because carbon cannot form rings
- D. Because carbon is highly reactive

Q4 Cell Division (Mitosis, Meiosis)

Two siblings from the same parents often look different from each other. Which process mainly causes this difference?

- A. Respiration
- B. Meiosis ✓
- C. Mitosis
- D. Photosynthesis

Q5 Circulatory System (Heart, Blood)

What does a sphygmomanometer measure in the human body?

- A. Blood pressure ✓
- B. Blood sugar
- C. Heart rate
- D. Body temperature

Q6 Ecology & Environment

Which of the following bacteria is **INCORRECTLY** paired with its role?

- A. Azotobacter — Nitrogen fixation in soil
- B. Nitrobacter — Conversion of nitrite to nitrate
- C. Rhizobium — Nitrogen fixation in legumes
- D. Pseudomonas — Nitrification ✓

Q7 Ecosystem & Food Chain

Most of the energy fixed by autotrophs is _____ at each trophic level.

- A. Utilized for locomotion
- B. Stored in the organism
- C. Lost to the environment as heat ✓
- D. Converted into organic matter

Q8 Electromagnetic Induction

Two identical coils are placed near each other. If the current in the first coil is switched off suddenly, what will happen in the second coil?

- A. A current is momentarily induced in the second coil in a direction that tries to keep the magnetic field constant. ✓
- B. A current is induced in the second coil that helps decrease the original magnetic field.
- C. A steady current is induced in the second coil as long as the first coil remains off.
- D. No current is induced in the second coil because the coils are not connected.

Q9 Extraction & Metallurgy

What is used as an anode in the electrolytic refining of nickel?

- A. Impure nickel ✓
- B. Nickel acetate
- C. Nickel carbonate
- D. Nickel sulphate



Q10 Hydrocarbons (Methane, Ethane, etc.)

The commonly used catalysts for hydrogenation reactions are _____ and _____.

- A. nickel, sodium hydroxide
- B. palladium, conc. sulphuric acid
- C. palladium, nickel
- D. conc. sulphuric acid, nickel

Q11 Magnetic Effects of Current

What happens to the magnetic field around a straight current-carrying conductor if the direction of the current is reversed?

- A. The magnetic field around the conductor becomes zero.
- B. The magnetic field strength doubles around the conductor.
- C. The magnetic field direction reverses around the conductor.
- D. The magnetic field around the conductor disappears.

Q12 Matter & Its Properties

If you are given a transparent liquid that can conduct electricity and contains only one type of atom, what can you conclude?

- A. It is a solution
- B. It is a heterogeneous mixture
- C. It is a compound
- D. It is an element

Q13 Mechanics

Consider the following statements about a seesaw used in a playground.

1. The central support acts as the fulcrum.
2. The weight of a child on one side may act as the load.
3. The force applied by a child on the opposite side may act as the effort.
4. A seesaw is an example of a first-class lever.

Which of the above statements are correct?

- A. 1, 2, 3 and 4
- B. 1, 2 and 4 only
- C. 1, 2 and 3 only
- D. 1 and 2 only

Q14 Mechanics

Which statement correctly describes the difference between position vector and displacement vector?

- A. Both always have the same magnitude
- B. Position vector locates a point; displacement vector shows the change between two points
- C. Both always point in the same direction
- D. Position vector always shows the path traveled

Q15 Mirrors & Lenses

Which of the following best describes the image formed by a concave mirror when the object is placed just beyond the focal point but before the center of curvature?

- A. Virtual, inverted, and magnified
- B. Real, inverted, and magnified
- C. Virtual, upright, and diminished
- D. Real, upright, and same size

Q16 Newton's Laws of Motion

A force of 60 N is used to push a box, causing it to accelerate at 3 m/s^2 . What is the mass of the box?

- A. 180 kg
- B. 20 kg
- C. 15 kg
- D. 18 kg

Q17 Plant Tissues & Transport

Which part of the plant vascular tissue is mainly responsible for transporting amino acids and soluble products of photosynthesis?

- A. Cortex
- B. Xylem
- C. Phloem
- D. Epidermis

Q18 Reproductive System

A couple is unable to conceive naturally due to blocked oviducts in the female. Which medical technique can help them achieve pregnancy?

- A. Hormone therapy
- B. Ultrasound imaging
- C. In-vitro Fertilisation
- D. Artificial insemination



Q19 Respiratory System

A patient with severe lung disease has reduced oxygen intake. Which cellular pathway is likely to be upregulated in their muscle cells during exertion, and what product accumulates as a result?

- A. Aerobic breakdown of pyruvate to carbon dioxide and water
- B. Anaerobic conversion of pyruvate to lactic acid, leading to lactic acid accumulation ✓
- C. Direct conversion of glucose to ATP without any by-products
- D. Anaerobic conversion of pyruvate to ethanol and carbon dioxide

Q20 SI Units & Dimensions

A student calculates the work done on an object and its kinetic energy. In which SI unit should both quantities be expressed?

- A. Joule (J) ✓
- B. Watt (W)
- C. Newton (N)
- D. Pascal (Pa)

Q21 Sound

Which of the following statements best explains why striking a bell in a vacuum does NOT produce sound we can hear?

- A. Light from the bell reaches our ears instead
- B. The bell does not vibrate in a vacuum
- C. The bell's material prevents sound from traveling
- D. Sound needs a medium to travel from the bell to our ears ✓

Q22 Types (Combination, Decomposition, etc.)

If you mix aqueous solutions of sodium sulphate and barium chloride, what type of chemical reaction occurs and what is the evidence for it?

- A. Single displacement; color of substance changes
- B. Decomposition; heat release
- C. Double displacement; formation of a precipitate ✓
- D. Redox reaction; gas evolution occurs

Q23 Wave Properties (Frequency, Wavelength)

Why does a tightly stretched drum skin make a different sound than a loose one?

- A. A tightly stretched drum skin is thicker than a loose one
- B. A tightly stretched drum skin contains more air than a loose one
- C. A tightly stretched drum skin vibrates faster than a loose one ✓
- D. A tightly stretched drum skin is heavier than a loose one

Q24 Winds & Pressure Belts

A researcher collects air samples from 90° North latitude and finds a persistent high-pressure system. The underlying process that explains this observation is:

- A. Rising of warm air from the surface
- B. Convergence at sub-tropical latitudes
- C. Surface flow from equatorial regions
- D. Sinking of cold, dense air in polar regions ✓

Q25 pH Scale & Indicators

A student needs to test whether a laboratory sample contains a strong base. Which procedure is most appropriate for confirming this?

- A. Smell the solution for a sharp odour
- B. Add methyl orange and look for a red colour
- C. Dip blue litmus paper and check if it remains blue
- D. Add a drop of phenolphthalein and observe a pink colour ✓



Q26 Annual Compounding

Find the compound interest on ₹8,324 at 5% per annum for 2 years, compounded annually.

A. ₹853.21



B. ₹841.11

C. ₹865.31

D. ₹875.41

Q27 Annual Compounding

Naresh deposited a sum of ₹58,000 at 20% rate of interest per annum, compounded annually. The total amount received by Naresh after 2 years is:

A. ₹83,119

B. ₹83,159

C. ₹83,229

D. ₹83,520

**Q28 Combined Work Rate**

A factory has two machines, X and Y. Machine X can produce 200 units in 5 hours, and machine Y can produce 180 units in 6 hours. If both machines work together for 3 hours and then only machine X works for 2 more hours, how many units are produced in total?

A. 350 units

B. 310 units

C. 290 units



D. 280 units

Q29 Common Tangents

Two circles with centres C_1 and C_2 have radii r_1 and r_2 , respectively. If the distance between their centres is equal to $r_2 - r_1$, then how many common tangents can be drawn to the two circles?

A. 2

B. 3

C. 1



D. 0

Q30 Cost with Overhead Expenses

Arvind bought an article for ₹x. He sold it to Biru at a loss of 11%. Biru spent ₹180 on its transportation and sold it to Minu at a profit of 60%. If Minu bought it for ₹1,000, then what is the value of x?

A. 452

B. 500



C. 494

D. 503

Q31 Find SI

Find the simple interest (in ₹) on a sum of ₹550 borrowed for 2.5 years at a rate of interest of 4% per annum.

A. 155

B. 55



C. 105

D. 35

Q32 Finding Ratio

Three types of milk, A, B, and C, have concentrations of 12%, 18%, and 24%, respectively. If they are mixed in the ratio 2 : 4 : p to create a mixture with a 20% concentration, what is the value of p?

A. 3

B. 4

C. 2

D. 6

**Q33 Laws of Indices**

Given that $140^{0.86} = x$, $140^{0.74} = y$ and $x^z = y^7$, then the value of z is close to:

A. 4.38

B. 5.94

C. 8.01

D. 6.02



Q34 Linear Race

In a 1 km race, A beats B by 50 m. In 800 m race, B beats C by 40 m. In a 200 m race, by what distance (in m) does A beat C?

A. 22.5

B. 25

C. 18

D. 19.5

**Q35 Mean Proportional**

If $(2x + 5)$, $(3x + 7)$ and $(4x + 9)$ are in continued proportion, find the values of x .

A. $x = 2, -2$

B. $x = 3, -3$

C. $x = 2, 2$

D. $x = -2, -2$

**Q36 Melting & Recasting**

A solid metal sphere of radius 6 cm is melted and cast into small solid cones, each having radius 3 cm and height 4 cm. How many complete cones can be formed?

A. 36

B. 30

C. 18

D. 24

**Q37 Mode**

The median of a moderately skewed distribution is 32 and the mean is 30. Find the mode of the data.

A. 35

B. 40

C. 36



D. 32

Q38 Percentage Increase/Decrease

The income of Raman is ₹49,000. He saves 27.5% of his income. If his income increases by 34% and expenditure increases by 20%, then his savings will:

A. increase by ₹9,555



B. increase by ₹9,559

C. decrease by ₹9,556

D. decrease by ₹9,550

Q39 Prime & Composite Numbers

The sum of three prime numbers is 112. If one number exceeds the other by 36, what is the product of these numbers?

A. 5678

B. 4516

C. 4826

D. 5402

**Q40 Successive Discount**

The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 85% and 27%, shop II allows successive discounts of 78% and 19%, shop III allows successive discounts of 24% and 27% and shop IV allows successive discounts of 24%, 94% and 74% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

A. I

B. II

C. IV



D. III

Q41 Total Surface Area

The sum of the radius of the base and the height of a cylinder is 48 cm. If the ratio of the curved surface area to the total surface area of the cylinder is 5:8, find the difference between the total surface area and the curved surface area of the cylinder. (Use $\pi = 3.14$)

A. 2,186.59 cm²

B. 2,034.72 cm²



C. 2,058.63 cm²

D. 2,108.38 cm²

Q42 Two Persons Age Relation

The ratio of the present ages of Anil and Rohit is 7 : 9. After 8 years, the ratio will become 9 : 11. What is Anil's present age?

A. 42

B. 28



C. 21

D. 35



Q43 Two Successive Changes

A number is first increased by 20% and then decreased by 12%. Find the net percentage increase or decrease in the number.

- A. 4.8% decrease
- B. 5.2% increase
- C. 5.6% increase
- D. 4.3% decrease

Q44 Two Trains Crossing

A train, 150 m in length, running at a speed of 72 km/hr crosses another train thrice as fast as this train and running in the same direction on parallel lines in 10 seconds. Find the length (in m) of the second train.

- A. 300
- B. 250
- C. 280
- D. 320

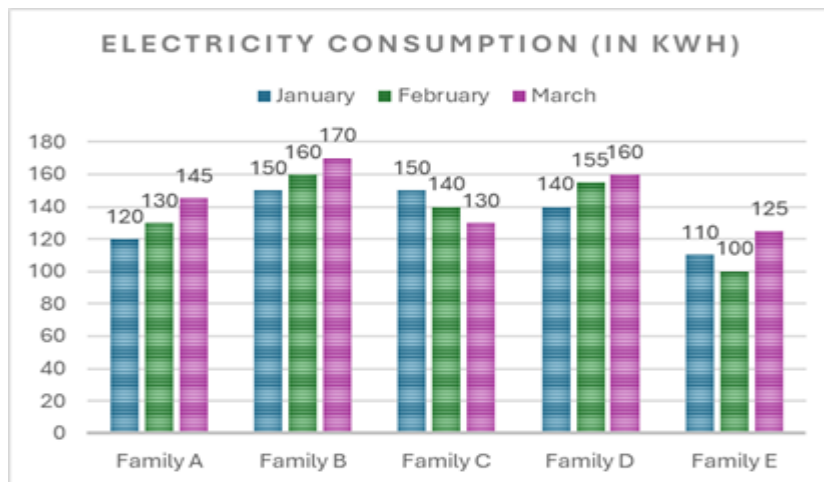
Q45 $a^3 + b^3$, $a^3 - b^3$

If $a + b = 9$ and $ab = 13$, then the value of $a^3 + b^3$ is:

- A. 348
- B. 398
- C. 328
- D. 378

Q46 Comparative Analysis

The given bar graph shows electricity consumption (in kWh) for five households (Family A, B, C, D, E) over a period of three months (January to March).



Which family is with the highest electricity consumption and determine how much more they consumed (in kWh) compared to the family with the lowest usage over the three-month period?

- A. C, and 142
- B. A, and 145
- C. E, and 146
- D. B, and 145



Q47 Laws of Indices

Find the value of $(2^3)^4 \div 2^5$.

A. 2^2

B. 2^5

C. 2^7



D. 2^{12}

Q48 Mean of Grouped Data

If the mean of the following data is 47, then what is the value of x?

Class	10-20	20-30	30-40	40-50	50-60
Frequency	36	18	29	20	x

A. 242



B. 227

C. 243

D. 270

Q49 Two Triangle Problems

An observer on the top of a cliff, 249 m above the sea-level, observes the angles of depression of two ships to be 30° and 60° , respectively. What is the distance (in m) between the ships if they are on opposite sides of the cliff?

A. $249\sqrt{3}$

B. $249\sqrt{2}$

C. $332\sqrt{3}$



D. $332\sqrt{2}$

Q50 $\sec^2 - \tan^2 = 1$

Which of the following identities is correct?

A. $\sec^2\theta - \tan^2\theta = 1$



B. $\operatorname{cosec}^2\theta + \cot^2\theta = 1$

C. $\sec^2\theta + \tan^2\theta = 1$

D. $\sin^2\theta - \cos^2\theta = 1$



Q51 Alpha-Numeric Series

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

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

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

- A. Three
- B. More than three
- C. Two
- D. One

Q52 Alphabetical Pattern

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

VUX YXA BAD EDG ?

- A. HGJ
- B. HFI
- C. HIK
- D. HHI

Q53 Day of Week Assignment

Each of P, Q, R, S, T, U and V has an exam on a different day of the same week, starting from Monday and ending on Sunday. R has an exam on one of the days before Thursday but not on Tuesday. Only two people have an exam between R and V. V has an exam immediately before Q. As many people have an exam after Q as before U. P has an exam immediately before T. Only one person has an exam between P and S. Who has an exam on Tuesday?

- A. Q
- B. S
- C. V
- D. U

Q54 Facing Center

Seven students, I, J, K, P, Q, R and Z, are sitting around a circular table, facing the center of the table.

I sits to the immediate right of Q. P sits to the immediate right of J. Only three people sit between I and Z when counted from the left of I. Only three people sit between Q and K.

How many people sit between Q and J when counted from the right of J?

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

Q55 Floor/Building Arrangement

K, B, V, D, E and F live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on, till the topmost floor, which is numbered 6.

Only two people live above F. V lives on an even-numbered floor but above F. Only two people live between K and F. D lives immediately below B.

How many people live between E and F?

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

Q56 Letter Series

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

(Left) V L E A O B K O C H R E X I S W O J H U C L (Right)

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

- A. 1
- B. 3
- C. 2
- D. 0



Q57 Letters in a Given Word

This question is based on the given words.

OPE HER KID SKY

In each of the words, each vowel 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. In how many letter-clusters thus formed, will no vowel appear?

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

**Q58 Letters in a Given Word**

This question is based on the given words.

BOX TUG PAN SEW

If in each of the words, each letter is changed to the immediately following letter in the English alphabetical order, how many words thus formed will have no vowel?

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

**Q59 Letters in a Given Word**

Each vowel in the word QUALITY 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 be second from the left in the new group of letters thus formed?

- A. K
- B. B
- C. V
- D. P

**Q60 Linear Family Relations**

F is father of G. G is brother of H. H is mother of I. How is F related to I?

- A. Sister
- B. Father's Mother
- C. Father
- D. Mother's Father

**Q61 Missing Number**

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

98 102 111 127 152 ?

- A. 185
- B. 190
- C. 188
- D. 182

**Q62 Multiple Turns**

Raghav starts from Point A and drives 26 km towards the west. He then takes a right turn, drives 15 km, turns right and drives 32 km. He then takes a right turn and drives 21 km. He takes a final right turn, drives 6 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

- A. 5 km to the south
- B. 5 km to the north
- C. 6 km to the north
- D. 6 km to the south

**Q63 Operation Based**

21 is related to 199 following a certain logic. Following the same logic, 16 is related to 154. To which of the given options is 19 related, following the same logic? (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 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.)

- A. 151
- B. 161
- C. 181
- D. 171



Q64 Operation Based

17 is related to 68 following a certain logic. Following the same logic, 29 is related to 116. To which of the given options is 41 related, following the same logic?
(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 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.)

A. 164



B. 166

C. 168

D. 162

Q65 Operation Based Coding

In a certain code language "KBNY" is coded as "43" and "RBXU" is coded as "30". What is the code for "WIJM" in the given language?

A. 46

B. 38

C. 40



D. 33

Q66 Operation Based Coding

If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 1537246, what will be difference between the highest and lowest digits in the number thus formed?

A. 6

B. 8



C. 7

D. 9

Q67 Operation Based Coding

If 2 is added to each odd digit and 2 is subtracted from each even digit in the number 52183475, what will be difference between the highest and lowest digits in the number thus formed?

A. 9



B. 8

C. 10

D. 7

Q68 Operator Swap

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

$$35 \times 5 \div 7 - 11 + 9 = ?$$

A. 45

B. 51



C. 47

D. 49

Q69 Pattern Based

ACEG is related to YACE in a certain way based on the English alphabetical order. In the same way, RTVX is related to PRTV. To which of the following options is MOQS related, following the same logic?

A. KMQO

B. KMOQ



C. KMIU

D. KMOP

Q70 Pattern Based

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: TSZ :: JGD : %

A. #=RUX, %=MEF

B. #=RUY, %=LEF

C. #=RUX, %=LEF



D. #=RUX, %=LEE

Q71 Pattern Based

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

MQ-UY-CG

TX-BF-JN

A. AE-IM-LM

B. AE-IM-AS

C. AE-IM-BH

D. AE-IM-QU



Q72 Position Pattern

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. KO-SY

B. CG-KP

C. AE-IO

D. SW-AG

Q73 Position Pattern

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. MQ - PT

B. JO - NR

C. KO - NR

D. BF - EI

Q74 Position from Left/Right

Uday ranked 45th from the top and 81st from the bottom in his class. How many students are there in his class?

A. 125

B. 124

C. 127

D. 126

Q75 Rearrangement of Letters

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

A. T

B. G

C. C

D. N

Q76 Single Row (One-way/Both-way)

Six people, A, B, C, D, E, and F, are sitting in a straight line, facing the north.

Only one person sits to the right of D. C sits to the immediate right of B. Only A sits between D and F. Who sits at the extreme left end of the line?

A. B

B. E

C. F

D. C

Q77 Symbol Based

In a certain code language,

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

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

A × B means 'A is the husband of B', and

A ÷ B means 'A is the mother of B'.

How is P related to T if 'P + Q - R × S - T'?

A. Son

B. Brother

C. Daughter's son

D. Son's son

Q78 Symbol Included Pattern

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

(Left) * * © © G @ A & © C X # C J * T \$ F N @ \$ & (Right)

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

A. 5

B. 3

C. 2

D. 4

Q79 Word to Code Mapping

In a certain code language, 'running is good habit' is coded as 'gn yb dm hc' and 'they are good boys' is coded as 'yb gt ol pk'. How is 'good' coded in that language? (All the codes are two-letter codes only.)

A. hc

B. yb

C. ol

D. gt



Q80 Word to Code Mapping

In a certain code language, 'down the road' is coded as 'qb ko np' and 'shutter is down' is coded as 'mc np ev'. How is 'down' coded in that language? (All the codes are two-letter codes only.)

A. ev

B. qb

C. np



D. ko

General Awareness

20 Questions • Answer Key

Q81 Civilian Awards

Which film actor received the Padma Bhushan award in the field of arts in January 2026?

A. Kamal Haasan

B. Ranveer Singh

C. Mammooty



D. Rajinikanth

Q82 Civilian Awards

Which cinema legend was honored with a Padma Bhushan at the 2026 Civil Investiture Ceremony for contributions to Malayalam and Indian cinema?

A. Kamal Haasan

B. Chiranjeevi

C. Mammooty



D. Mohanlal

Q83 Civilian Awards

Who among the following was awarded the Padma Shri in January 2026 for contribution in the field of sports?

A. Inderjit Singh Sidhu

B. Gambir Singh Yonzon

C. Baldev Singh



D. Deepika Reddy

Q84 Defense & Technology

Which state hosted the Maroon Beret Ceremonial Parade in 2026 marking the successful completion of training of the Indian Air Force Special Forces operatives at Air Force Station, Chandinagar?

A. Punjab

B. Rajasthan

C. Haryana

D. Uttar Pradesh

**Q85 India's Foreign Relations**

Which U.S. Secretary of State had called on Prime Minister Narendra Modi in May 2026 and briefed him on the progress in bilateral cooperation across sectors including defence, trade, and energy security?

A. Marco Rubio



B. Jake Sullivan

C. Antony Blinken

D. Pete Hegseth

Q86 Individual Records

At the ISSF World Cup in Munich in May 2026, which shooter set a new World Record score of 43 to win gold in the Women's 25m Pistol event?

A. Manu Bhaker

B. Shreyasi Singh

C. Esha Singh



D. Heena Sidhu



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Q87 Individual Records

At the Seiko Golden Grand Prix in Tokyo in May 2026, Yemi Mary John became the first European in 2026 to break the 50-second barrier in which event?

- A. 300 meters
- B. 600 meters
- C. 800 meters
- D. 400 meters

**Q88 Key Announcements**

The Union Budget 2026–27 announced "Biopharma SHAKTI" to develop India as a global biopharma hub. What does the acronym SHAKTI in Biopharma-SHAKTI stands for?

- A. Scheme for Health and Knowledge Advancement through Technology and Industry
- B. Strategy for Healthcare Access through Knowledge, Training and Infrastructure
- C. Strategy for Healthcare Advancement through Knowledge, Technology and Innovation
- D. System for High-value Advancement through Knowledge Transfer and Innovation

**Q89 Key Announcements**

In the Union Budget 2025–26, India's total defense allocation reached a record high of approximately how much, reflecting the government's sustained focus on military modernization and Atmanirbharta (self-reliance)?

- A. ₹4.33 lakh crore
- B. ₹6.81 lakh crore
- C. ₹8.81 lakh crore
- D. ₹5.61 lakh crore

**Q90 Key Announcements**

As per the Union Budget 2025-26, the Foreign Direct Investment (FDI) limit for the insurance sector is to be raised for those companies which invest the entire premium in India from 74% to a maximum of _____.

- A. 90%
- B. 80%
- C. 100%
- D. 95%

**Q91 Literary & Sports Awards**

In May 2026, which two Indian journalists, along with Bloomberg's Natalie Obiko Pearson, won the Pulitzer Prize in the Illustrated Reporting and Commentary category for a project exposing cybercrime in India?

- A. Anand RK and Aniruddha Ghosal
- B. Suparna Sharma and Aniruddha Ghosal
- C. Anand RK and Suparna Sharma
- D. Aniruddha Ghosal and Ravish Kumar

**Q92 Literary & Sports Awards**

Which former Olympic gold medalist received the Major Dhyan Chand Lifetime Achievement Award at the Hockey India Awards in March 2026?

- A. PR Sreejesh
- B. Harbinder Singh
- C. Ashok Dhyanchand
- D. Zafar Iqbal

**Q93 New Apps & Portals**

What was the name of the mobile application launched by the Ministry of Social Justice & Empowerment in May 2026 to enhance safety, welfare, healthcare access, and social inclusion for senior citizens in India?

- A. JEEVAN
- B. JEEVIKA
- C. SAHARA
- D. SENIOR

**Q94 New Schemes & Programs**

Which organization was entrusted with the responsibility of implementing the 'Bharat Industrial Development Scheme' (BHAVYA) in March 2026?

- A. Industrial Finance Corporation of India
- B. Ministry of Micro, Small and Medium Enterprises
- C. National Industrial Corridor Development Corporation
- D. National Small Industries Corporation

**Q95 New Schemes & Programs**

Which long-term national vision does Jal Jeevan Mission 2.0, as reinforced in the April 2026 MoUs, align with?

- A. Viksit Bharat @2047
- B. Make in India Vision
- C. Swachh Bharat Mission 2.0
- D. Digital India 2030



Q96 Policy Changes & Amendments

What was the primary objective of the Constitution (131st Amendment) Bill, 2026?

- A. To abolish the Rajya Sabha nomination process
- B. To create a new constitutional court system
- C. To establish simultaneous elections across India
- D. To operationalise women's reservation through delimitation ✓

Q97 Policy Changes & Amendments

The Transgender Persons (Protection of Rights) Amendment Bill, 2026, passed by the Parliament in March 2026, removed which major safeguard that had been recognised under the original 2019 Act?

- A. Constitution of the National Council for Transgender Persons
- B. Recognition of self-perceived gender identity ✓
- C. Establishment of welfare and rehabilitation schemes
- D. Statutory protection against discrimination

Q98 Right to Freedom (Art 19-22)

On March 11, 2026, the Supreme Court of India delivered a historic first-of-its-kind order in the case of Harish Rana v. Union of India, permitting the withdrawal of life-sustaining treatment for a man who had been in a Persistent Vegetative State for over 13 years. Which constitutional right did the Court invoke as the basis for this landmark passive euthanasia ruling?

- A. Article 21 ✓
- B. Article 32
- C. Article 19
- D. Article 14

Q99 Summits & Conferences

In March 2026, India hosted the 12th Steering Committee Meeting of which international anti-corruption network in New Delhi?

- A. Egmont Group of Financial Intelligence Units
- B. Global Operational Network of Anti-Corruption Law Enforcement Authorities (GlobE Network) ✓
- C. International Anti-Corruption Academy (IACA)
- D. Financial Action Task Force (FATF)

Q100 Treaties & Agreements

A landmark defence pact between India and Russia came into force in early 2026, allowing reciprocal access to military bases. What is this agreement called?

- A. RELOS (Reciprocal Exchange of Logistics Support) ✓
- B. BECA (Basic Exchange and Cooperation Agreement)
- C. LEMOA (Logistics Exchange Memorandum of Agreement)
- D. COMCASA (Communications Compatibility and Security Agreement)



General Science

25 Questions • Answer Key

Q1 Atomic Structure & Models

According to Rutherford's model, positive charge is:

- A. Found in outer shells
- B. Spread uniformly in the atom
- C. Present with electrons
- D. Concentrated at the centre** ✓

Q2 Atomic Structure & Models

The maximum number of electrons present in a shell is given by the formula:
(here, 'n' is the orbit number)

- A. $2n^2$** ✓
- B. $2n-2$
- C. $2n$
- D. $2n^3$

Q3 Biodiversity & Conservation

A conservation biologist is prioritizing areas for protection. She notices a region with many species unique to that area, and much of its habitat has been destroyed. Based on definition, which term best describes this region?

- A. Biodiversity hotspot** ✓
- B. Biodiverse ecosystem
- C. Ecological niche
- D. Endemic region

Q4 Chemical Bonding (Ionic, Covalent)

Which of the following best explains why ionic compounds are hard but brittle?

- A. They are liquids at room temperature
- B. They have a metallic lattice
- C. Strong attractions make them hard; shifting layers break them apart** ✓
- D. Weak attractions make them soft and flexible

Q5 Current Electricity (Ohm's Law, Circuits)

If the resistance of a wire is doubled and same current flows through it for same time, heat produced will:

- A. Become half
- B. Become four times
- C. Become double** ✓
- D. Remain same

Q6 Ecology & Environment

What is the main function of the ozone layer in the upper part of the atmosphere?

- A. Producing oxygen to support aerobic life
- B. Absorbing ultraviolet radiation coming from the sun** ✓
- C. Causing rainfall
- D. Increasing atmospheric carbon dioxide levels

Q7 Ecosystem & Food Chain

Which sequence correctly represents the increase in concentration of a pesticide in a food chain?

- A. Grass → Frog → Grasshopper → Snake → Hawk
- B. Hawk → Snake → Frog → Grasshopper → Grass
- C. Grass → Grasshopper → Frog → Snake → Hawk** ✓
- D. Grasshopper → Grass → Frog → Hawk → Snake

Q8 Hydrocarbons (Methane, Ethane, etc.)

Which of the following hydrocarbons will undergo an addition reaction most readily?

- A. Methane
- B. Propane
- C. Ethene** ✓
- D. Ethane

Q9 Magnetic Effects of Current

The right hand thumb rule is also known as _____.

- A. Maxwell's corkscrew rule** ✓
- B. Fleming's rule
- C. Ohm's rule
- D. Faraday's rule



Q10 Mechanics

A group of students is designing a wheelchair ramp for their school entrance. According to the concept of a simple machine, which modification would make it easier to push a wheelchair to the same height?

- A. Adding steps instead of a ramp to reach the same height
- B. Making the ramp steeper by decreasing its length for the same height
- C. Increasing the length of the ramp while keeping its height constant ✓
- D. Adding friction material to the ramp surface to slow down movement

Q11 Mechanics

Which of the following best describes a load?

- A. A machine used for lifting
- B. The object being moved or lifted ✓
- C. The energy stored in a system
- D. The force applied downward

Q12 Mirrors & Lenses

A ray passing through the center of curvature of a concave mirror strikes the mirror. What is the path of the reflected ray?

- A. It becomes parallel to the axis
- B. It passes through the focus
- C. It diverges from the principal axis
- D. It retraces its original path ✓

Q13 Mixtures, Solutions, Colloids

You are given three mixtures: muddy water, sugar solution, and milk. Which one is a suspension?

- A. Milk
- B. Muddy water ✓
- C. Sugar solution
- D. Muddy Sugar

Q14 Newton's Laws of Motion

What is the effect of unbalanced forces on an object at rest?

- A. It causes the object to start moving ✓
- B. It always increases the mass of the object
- C. It keeps the object at rest
- D. It changes the color of the object

Q15 Newton's Laws of Motion

Which scenario best demonstrates an unbalanced force acting on an object?

- A. A picture hanging stationary on a wall
- B. A soccer ball starts rolling after being kicked ✓
- C. A cup sitting on a desk not moving
- D. A car parked at rest in a garage

Q16 Non-communicable (Diabetes, Cancer, etc.)

Which form of cancer has a high occurrence in India due to the use of gutkha?

- A. Prostate cancer
- B. Skin cancer
- C. Oral cancer ✓
- D. Bone cancer

Q17 Photosynthesis

What is the primary function of stomata in plant leaves during photosynthesis?

- A. Allow gaseous exchange ✓
- B. Prevent entry of CO₂
- C. Maintain constant leaf temperature
- D. Absorption of Oxygen

Q18 Plant Tissues & Transport

If a student wants to observe cells that are actively dividing to increase the length of a plant stem or root, which specific tissue should they examine under the microscope?

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

Q19 Properties & Tests

When sodium hydroxide is dissolved in water, which type of ions are mainly responsible for making the solution basic?

- A. Hydrogen ions (H⁺)
- B. Carbonate ions (CO₃²⁻)
- C. Sodium ions (Na⁺)
- D. Hydroxide ions (OH⁻) ✓



Q20 Reflection & Refraction

A teacher uses two prisms placed in opposite orientations and passes a beam of white light through both. What is the expected outcome on a screen placed after the second prism?

- A. A black region appears where the beam ends
- B. A single white patch appears on the screen ✓
- C. A spectrum with reversed color order forms
- D. A new set of colors emerge beyond the original ones

Q21 Reflection & Refraction

When a person standing underwater looks upward at a tree located on the bank, the tree appears to be at a position different from its original location. Which of the following principles is responsible for this apparent shift in the position?

- A. Light rays from the tree bend due to refraction at the water-air interface. ✓
- B. Light rays from the tree are reflected at the water surface.
- C. Water disperses the light from the tree into different colors.
- D. The tree image is formed due to diffraction at the water surface.

Q22 Reproductive System

A scientist wants to ensure that a human zygote formed in a laboratory dish has the correct number of chromosomes. Number of chromosomes this zygote should have are:

- A. 69
- B. 23
- C. 46 ✓
- D. 92

Q23 Soaps & Detergents

The cloudy appearance of soap solution is due to:

- A. Absorption of light by oil
- B. Refraction of light by ions
- C. Scattering of light by micelles ✓
- D. Reflection of light by bubbles

Q24 Theory of Evolution

Which statement best describes the primary evolutionary significance of fat storage in a camel's hump?

- A. It alters anatomical characteristics to change taxonomic classification.
- B. It provides a direct substitute for milk production to feed offspring.
- C. It provides a structural reserve supporting survival in extreme environments. ✓
- D. It lowers body mass to facilitate rapid escape from desert predators.

Q25 Types (Combination, Decomposition, etc.)

Refer to the two statements given below and choose the CORRECT option.

Statement A: A decomposition reaction occurs when a single compound breaks down into two or more simpler substances.

Statement B: Decomposition reactions always require the presence of oxygen.

- A. Both statements A and B are correct.
- 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 incorrect.

Mathematics

25 Questions • Answer Key

Q26 AA, SAS, SSS Similarity

Raghu is 140 cm tall. He is standing 180 cm away from a lamp post. His shadow from the light is 70 cm long. Find the height of the lamp post.

- A. 500 cm ✓
- B. 250 cm
- C. 300 cm
- D. 350 cm

Q27 Age in Ratio Form

The present ages of two brothers are in the ratio 3 : 5. After 12 years from now, their ages will be in the ratio 9 : 11. What is the current age of the younger brother?

- A. 6 years ✓
- B. 10 years
- C. 18 years
- D. 12 years



Q28 Area/Volume Error

If the height and base radius of a cylinder are increased by 10% and by 5% respectively, then by what percent will its volume increase? (rounded off to 1 decimal place)

A. 20.3%

B. 22.2%

C. 21.3%



D. 24.2%

Q29 Average Speed

A car travels at a constant speed of 40 km/hr for 30 minutes, followed by a constant speed of 60 km/h for the next 40 minutes. What is the car's average speed (in km/hr) over the entire journey, rounded off to two decimal places?

A. 51.43



B. 54.67

C. 53.72

D. 50.34

Q30 CP-SP Relation

On selling a laptop at a 10% loss and a desktop at a 15% gain, Rita gains ₹8,000 in total. If she sells the laptop at a 10% gain and the desktop at a 20% gain, she gains ₹20,000 in total. Find the cost price (in ₹) of the laptop.

A. 36,000

B. 60,000

C. 40,000



D. 80,000

Q31 Even/Odd Number Series

The average of 4 consecutive odd numbers is 36. The sum of the largest and smallest numbers among them is:

A. 66

B. 68

C. 72



D. 74

Q32 Find SI

Find the simple interest (in ₹) on a sum of ₹500 borrowed for 3.5 years at a rate of interest of 29% per annum.

A. 450

B. 400

C. 330

D. 350

**Q33 Given Three Vertices**

Find the area of a triangle whose vertices are A(3,2), B(11,6), and C(7,14).

A. 32 unit²

B. 36 unit²

C. 40 unit²



D. 42 unit²

Q34 Half-Yearly Compounding

A bank offers 4.5% compound interest per annum calculated on a half-yearly basis. A customer deposits ₹8,138 each on 1 January and 1 July of a year. At the end of the year, the interest is: (correct to two decimal places)

A. ₹540.05

B. ₹553.43



C. ₹538.12

D. ₹562.53

Q35 Median

The mean and the mode of a set of data are 62.4 and 36.8, respectively. Find the median of the data, using the empirical formula. (Round off to one decimal place)

A. 55.8

B. 55.5

C. 54.2

D. 53.9

**Q36 Multiple Pipes**

Pipe A can fill a tank in 3 hours, pipe B can fill the same tank in 9 hours and pipe C can fill the same tank in 18 hours. The time taken (in hours) by them to fill half of the same tank if they operate together is:

A. 4

B. 2

C. 3

D. 1

**Q37 Percentage Increase/Decrease**

The income of Raman is ₹70,900. He saves 12% of his income. If his income increases by 39% and expenditure increases by 50%, then his savings will:

A. decrease by ₹3,550

B. increase by ₹3,548

C. decrease by ₹3,545



D. increase by ₹3,546



Q38 Population Based Problems

A town's population increases by 25% every year. If the current population is 16,000, what will be the population after 3 years?

A. 30,250

B. 32,000

C. 28,800

D. 31,250

**Q39 Relative Speed**

Two trains are running towards each other from station A and station B at speeds of 70 km/h and 80 km/h, respectively. When they meet each other, it is noticed that the second train covers 150 km more than the first train. What is the distance between the two stations?

A. 2240 km

B. 2230 km

C. 2250 km



D. 2260 km

Q40 Rules for 2,3,4,5,6

What is the least value that must be assigned to A so that the number 717A0280 is divisible by 3?

A. 2



B. 8

C. 5

D. 1

Q41 Rules for 2,3,4,5,6

The 7-digit number 45A216B is divisible by 3. What is the minimum value of (A + B)?

A. 3

B. 2

C. 0



D. 5

Q42 Rules for 7,8,9,11

Which of the following numbers is divisible by 9?

A. 4,317

B. 5,328



C. 3,624

D. 6,018

Q43 Simple Ratio Partnership

A and B jointly start a business. The investment of A is equal to three times the investment of B. Find the share of A in the annual profit of ₹5,524.

A. ₹4,143



B. ₹4,113

C. ₹4,123

D. ₹4,133

Q44 Successive Discount

The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 54% and 61%, shop II allows successive discounts of 17% and 49%, shop III allows successive discounts of 25% and 36% and shop IV allows successive discounts of 95%, 20% and 68% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

A. IV



B. III

C. I

D. II

Q45 Weighted Average

The mean marks obtained by 350 students in a subject are 75. The mean of top 100 students was found to be 85 and the mean of last 100 students was found to be 65. The mean marks of the remaining 150 students are:

A. 65

B. 75



C. 85

D. 55



Q46 Finding Value from Percentage

A man spends ₹3654 per month and saves $12\frac{1}{2}\%$ of his income. His monthly income is

A. ₹4176



B. ₹4186

C. ₹4196

D. ₹4166

Q47 Pythagorean Identities

Simplify: $\frac{\cot A + \operatorname{cosec} A - 1}{\cot A + 1 - \operatorname{cosec} A} - \frac{1}{\sin A} - \cot A$

A. 0



B. $\sec A$

C. 1

D. $\sin A$

Q48 Pythagorean Identities

If $\cos A = \frac{5}{13}$, and A is an acute angle, then the value of $\frac{\sin A}{\cos A}$ is:

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

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

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

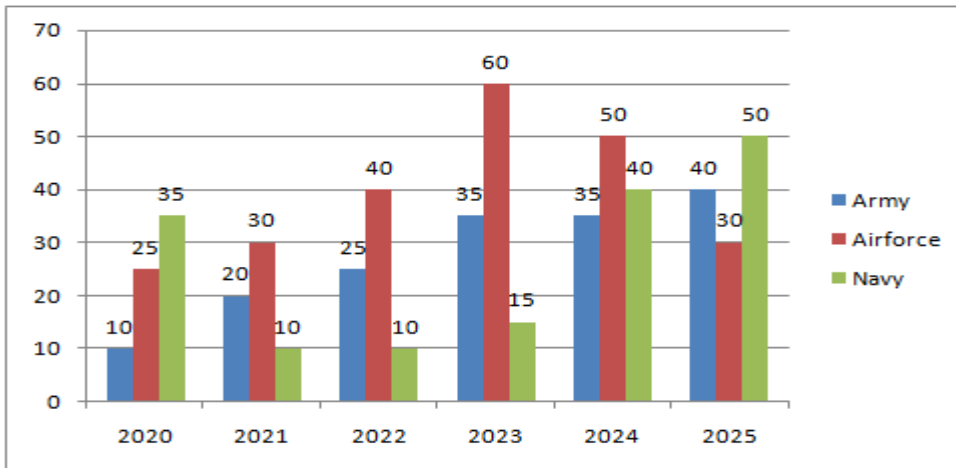
D. $\frac{12}{5}$



Q49 Simple Bar Chart

The following bar graph shows the number of soldiers recruited (in thousands) in three different forces in six different years. Study the following graph carefully to answer the question that follows.

What was the percentage increase in the number of soldiers recruited in Airforce in the year 2022 as compared to the previous year?



A. $31\frac{1}{3}\%$

B. $30\frac{1}{3}\%$

C. $32\frac{1}{3}\%$

D. $33\frac{1}{3}\%$

**Q50** Two Persons Age Relation

A man is 24 years older than his son. In two years from now, his age will be twice the age of his son. The present age of his son is

A. 26 years

B. 22 years

C. 21 years

D. 25 years



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Q51 Day of Week Assignment

Each of A, B, C, D, P, Q and R has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week.

Only three people have exams between R and D. D has the exam on the last day of the week. B has the exam on the second day after A. C has the exam immediately the day before P. Q does not have the exam on Friday.

How many people have the exam after Q?

A. Two

B. Six



C. Five

D. Three

Q52 Day of Week Assignment

Each of Q, R, W, T, E, U and Y has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. W has an exam on Friday. Only 2 people have an exam between W and Q. Y has an exam immediately before T and U has an exam immediately after R. Only 2 people have an exam between E and T. How many people have an exam after R?

A. 3

B. 1



C. 2

D. 4

Q53 Floor/Building Arrangement

G, H, J, K, L, and P live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2, and so on till the topmost floor is numbered 6. Only L lives above K. H lives immediately below K. Only G lives below J. How many people live below H?

A. Four

B. Three



C. Two

D. One

Q54 Group Pattern

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

DFJ MOS VXB EGK ?

A. NQS

B. NOQ

C. NPT



D. NOS

Q55 Letter Series

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

(Left) E D I S P V E I I S I A Q P W G U O I A E C (Right)

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

A. 4

B. 2



C. 3

D. 1

Q56 Letters in a Given Word

Each vowel in the word ABANDON 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 be second from the right in the new group of letters thus formed?

A. B

B. P



C. M

D. C



Q57 Letters in a Given Word

This question is based on the given words.

PER KGS NUS DAM

In each of the words, each vowel 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. In how many letter-clusters thus formed will no vowel appear?

A. Three



B. Two

C. One

D. Four

Q58 Letters in a Given Word

This question is based on the given words.

THIS KIND CORE FLOP

In each of the words, each letter is changed to the letter immediately preceding it in the English alphabetical order. How many words thus formed have at least one vowel?

A. One



B. Three

C. Two

D. Four

Q59 Missing Number

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

81 64 49 36 25 ?

A. 15

B. 16



C. 14

D. 18

Q60 Operation Based

21 is related to 41 following a certain logic. Following the same logic, 33 is related to 65. To which of the given options is 45 related, following the same logic?

(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 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.)

A. 93

B. 87

C. 91

D. 89

**Q61 Operator Swap**

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

$8 \div 6 \times 15 + 3 - 5 = ?$

A. 37

B. 42

C. 39

D. 48

**Q62 Operator Swap**

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?

$89 C 72 A 12 B 4 D 25 = ?$

A. 83

B. 88



C. 85

D. 87

Q63 Operator Swap

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

$53 - 4 \div 18 + 64 \times 8 = ?$

A. 217

B. 222



C. 219

D. 231



Q64 Pattern Based

LORU is related to NQTW in a certain way based on the English alphabetical order. In the same way, GHKL is related to IJMN. To which of the following options is ZCFI related, following the same logic?

A. BHER

B. BHKO

C. BEHK



D. BHYU

Q65 Pattern Based

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

OJV : LGS

EOQ : BLN

A. KHG : GEC

B. EHL : CFI

C. TEL : OAI

D. ING : FKD

**Q66 Pattern Based**

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

KNS : HPV

LLL : INO

A. RJW : OLY

B. MKP : JMR

C. LVW : IWZ

D. FPI : CRL

**Q67 Position Pattern**

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. AXW

B. NLJ



C. RON

D. DAZ

Q68 Position Pattern

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. OH - LC



B. QT - NN

C. CN - ZH

D. KR - HL

Q69 Rearrangement of Letters

Each vowel in the word NOTICE is changed to the fourth letter immediately preceding 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. K



B. A

C. T

D. E

Q70 Shortest Distance

Pooja starts from Point A and drives 18 km towards the south. She then takes a right turn, drives 12 km, turns right and drives 25 km. She then takes a right turn and drives 13 km. She takes a final right turn, drives 7 km and stops at Point P. How far (shortest distance) and towards which direction should she drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 2 km to the west

B. 1 km to the west



C. 2 km to the east

D. 1 km to the east

Q71 Shortest Distance

Rama started walking from point A. She walked for 4 km towards south. She took a left turn and walked for 6 km. Then she took a right turn and walked for 8 km. Again, she took a right turn and walked for 6 km. How far (shortest distance) and towards which direction should she walk in order to reach point A again?

A. 8 km towards south

B. 8 km towards north

C. 12 km towards north



D. 12 km towards south



Q72 Single Row (One-way/Both-way)

Six people, C, D, E, O, P and Q, are sitting in a row, facing north.

Only two people sit to the left of E. Only two people sit between E and Q. Only one person sits between Q and D. O sits to the immediate left of P.

How many people sit to the right of C?

A. None

B. Two

C. Three

D. One

**Q73 Single Row (One-way/Both-way)**

Six people, X, Y, Z, W, V, and U, are sitting in a row, facing the north.

Only two people sit to the right of X. V sits to the immediate left of U. Only Z sits between X and W. W does not sit at the extreme right end of the row.

Who sits at the extreme right end of the row?

A. X

B. U



C. Z

D. V

Q74 Square/Cube Based

16 is related to 255 following a certain logic. Following the same logic, 11 is related to 120. To which of the given options is 13 related, following the same logic?

(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 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.)

A. 148

B. 138

C. 158

D. 168

**Q75 Symbol Based**

In a certain code language,

A + B means 'A is the brother 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 son of B'.

How is P related to T if 'P + Q – R × S ÷ T'?

A. Brother

B. Daughter's son

C. Son

D. Son's son

**Q76 Symbol Based**

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 Shahid related to Ishant if 'Shahid + Gauri – Himesh % Jaya × Ishant'?

A. Wife's father's brother's son

B. Wife's mother's brother's son

C. Wife's father's sister's son



D. Wife's mother's sister's son

Q77 Symbol Included Pattern

Refer to the given number and symbol series and answer the question that follows. All numbers are single-digit numbers only.

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

If all the numbers are dropped from the series, which of the following will be sixth from the left?

A. %

B. #

C. ^



D. \$



Q78 Symbol Included Pattern

Refer to the given number and symbol series and answer the question that follows. All numbers are single-digit numbers only.

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

If all the symbols are dropped from the series, which of the following will be seventh from the right?

A. 9

B. 3

C. 2



D. 6

Q79 Two Statement Sufficiency

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and select the appropriate answer.

Q. Five people — A, B, C, D, and E — are sitting around a circular table, facing the centre. Who is sitting between A and C?

(I) B sits immediately to the right of A; D sits immediately to the right of B.

(II) E sits immediately to the left of C; D is not adjacent to A.

A. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.



B. Data in statement II alone is sufficient to answer the question while data in statement I is not.

C. Data in statement I alone is sufficient to answer the question while data in statement II is not.

D. Both statements I and II together are NOT sufficient to answer the question.

Q80 Two Statement Syllogism

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

Statements:

Some soaps are cubs.

Some cubs are fruits.

Conclusions:

(I) Some soaps are fruits.

(II) All fruits are cubs.

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



B. Only conclusion (I) follows.

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

D. Only conclusion (II) follows.

General Awareness

20 Questions • Answer Key

Q81 Corporate & Organizational Heads

In April 2026, the Government of India reconstituted which national policy think tank by appointing Ashok Lahiri as its Vice-Chairman?

A. National Development Council

B. National Statistical Commission

C. NITI Aayog



D. Finance Commission

Q82 Corporate & Organizational Heads

Who has taken over as the President of the Confederation of Indian Industry for the 2026–27 term?

A. R Mukundan



B. Arvind Panagariya

C. Ashok Lahiri

D. Rajiv Memani



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Q83 Cricket (IPL, WC, etc.)

Which player won the Most Valuable Player of the season award in the Indian Premier League 2026 cricket tournament?

- A. Dewald Brewis
- B. Kartik Sharma
- C. Vaibhav Suryavanshi
- D. Shivang Kumar

Q84 Cricket (IPL, WC, etc.)

The 2026 ICC Men's T20 World Cup, a premier international cricket tournament, was co-hosted by which two cricketing nations?

- A. West Indies and United States
- B. England and Wales
- C. India and Sri Lanka
- D. Australia and New Zealand

Q85 Defense & Technology

The naval vessel Yard 1280 (Shachi) was launched on 31 March 2026 in which of the following states?

- A. Andhra Pradesh
- B. Tamil Nadu
- C. Maharashtra
- D. Goa

Q86 Environment Current Affairs

Cyclone Montha, which impacted India in October 2025, made landfall along the coast of which state?

- A. Tamil Nadu
- B. Andhra Pradesh
- C. Odisha
- D. West Bengal

Q87 IT Policies & Regulation

The Digital Personal Data Protection (DPDP) Act, 2023, and its 2025 Rules provide "verifiable parental consent" to safeguard children. Which of the following online practices is explicitly PROHIBITED under this framework?

- A. Behavioral monitoring and targeted advertising directed at children.
- B. Sharing anonymized data with third parties for academic research.
- C. Collecting geolocation data for emergency services with parental consent.
- D. Processing a child's data after automated age-gating protocols.

Q88 Individual Records

In May 2026, which Indian athlete became the first Indian sprinter to run the men's 100 m event in less than 10.10 seconds?

- A. Gulveer Singh
- B. Vishal T. K.
- C. Gurindervir Singh
- D. Tejaswin Shankar

Q89 Key Announcements

What absolute financial amount was designated for the welfare of women and girls in the Gender Budget Statement for FY 2026-27?

- A. ₹5.00 lakh crore
- B. ₹3.50 lakh crore
- C. ₹4.49 lakh crore
- D. ₹5.41 lakh crore

Q90 Military Exercises

At which location was the Exercise Vayushakti-2026 conducted in February 2026?

- A. Suryalanka Air Force Station, Andhra Pradesh
- B. Air Force Station Jodhpur, Rajasthan
- C. Hindon Air Force Station, Uttar Pradesh
- D. Pokhran Field Firing Range, Jaisalmer, Rajasthan



Q91 Military Exercises

Where was the 4th edition of the India–Sri Lanka bilateral diving exercise (IN–SLN DIVEX 2026) conducted in April 2026?

- A. Visakhapatnam, India
- B. Trincomalee, Sri Lanka
- C. Colombo, Sri Lanka ✓
- D. Kochi, India

Q92 National Current Affairs

In May 2026, in which Indian state did the Bharatiya Janata Party form its government for the first time?

- A. Odisha
- B. Tamil Nadu
- C. West Bengal ✓
- D. Kerala

Q93 New Parks & Reserves

In 2026, Chhari-Dhand in Gujarat was in the news after receiving which international environmental recognition?

- A. Global Tiger Habitat status
- B. Ramsar Site designation ✓
- C. World Heritage Site recognition
- D. UNESCO Biosphere Reserve status

Q94 Olympics, CWG, Asian Games

Which city hosted the 6th Asian Beach Games from 22nd to 30th April 2026?

- A. Hangzhou
- B. Sanya ✓
- C. Guangzhou
- D. Beijing

Q95 Rate Changes

In February 2026, the RBI continued which monetary policy stance while announcing the bi-monthly monetary policy review?

- A. Retained the neutral policy stance ✓
- B. Retained the tightening policy stance
- C. Retained the expansionary policy stance
- D. Retained the accommodative policy stance

Q96 Recent Awards & Honors

Which firm Receives 'Special Recognition Award' for Pioneering Work in Cell & Gene Therapy at BioSpectrum India Excellence Awards 2025?

- A. Miltenyi Biotec India Pvt. Ltd ✓
- B. Bharat Biotech
- C. Reliance Life Sciences
- D. Serum Institute

Q97 Recent ISRO Missions

Which mission was associated with the launch of the communication satellite of AST SpaceMobile during the sixth operational flight of the LVM3 launch vehicle conducted by the Indian Space Research Organisation (ISRO) in December 2025?

- A. Chandrayaan-3 Mission
- B. LVM3-M5 / CMS-03 Mission
- C. OneWeb Launch Mission
- D. LVM3-M6 / BlueBird Block-2 Mission ✓

Q98 Republic Day, Independence Day, etc.

In January 2026, India observed a day with solemn ceremonies and tributes at Rajghat, remembering a leader's sacrifice. Which date is officially marked for this national remembrance?

- A. National Integration Day
- B. Martyr's Day ✓
- C. Good Governance Day
- D. Constitution Day

Q99 Summits & Conferences

Which country had organised the WTO's Fourteenth Ministerial Conference (MC14) conducted in Yaoundé from March 26 to March 30, 2026?

- A. Switzerland
- B. Cameroon ✓
- C. South Africa
- D. Kenya



Q100 Treaties & Agreements

In May 2026, India rejected the ruling of which international body regarding the Indus Waters Treaty dispute?

- A. United Nations Security Council sanctions committee
- B. Permanent Court of Arbitration tribunal at The Hague ☒
- C. International Criminal Court judicial review chamber
- D. International Tribunal for the Law of the Sea panel



General Science

25 Questions • Answer Key

Q1 Atomic Structure & Models

Thomson's model could not explain:

- A. Electron presence
- B. Rutherford's experiment results ✓
- C. Atom's neutrality
- D. Atom's mass

Q2 Basic Organic Chemistry

A teacher asks students to draw the structure of butane and isobutane. What is the main difference between these two molecules?

- A. Butane contains an aromatic ring, isobutane does not
- B. Both are cyclic hydrocarbons
- C. Isobutane has fewer carbon atoms than butane
- D. Butane is a straight-chain, while isobutane is a branched-chain isomer ✓

Q3 Chemical Bonding (Ionic, Covalent)

Atoms of the elements would react so as to achieve an _____ of the configuration in the outermost shell.

- A. triplet
- B. heptet
- C. octet ✓
- D. duplet

Q4 Chemical Reactions

In a solution, which observation suggests a chemical change has taken place?

- A. Increase in temperature only
- B. Dissolving of solid
- C. Formation of a precipitate ✓
- D. Uniform mixing of substances

Q5 Current Electricity (Ohm's Law, Circuits)

A wire of resistance 10 ohms is connected to a 12 V battery. If another identical wire is connected in parallel to the first, what is the total power consumed by both wires together?

- A. 14.4 W
- B. 120 W
- C. 28.8 W ✓
- D. 1.44 W

Q6 Ecosystem & Food Chain

Which of the following statements is correct about energy flow in an ecosystem?

- A. Energy remains constant within the ecosystem
- B. Most energy is used for building biomass within the ecosystem
- C. Energy is recycled by decomposers within the ecosystem
- D. Energy flows in one direction in the ecosystem ✓

Q7 Ecosystem & Food Chain

In a grassland food web, grass is eaten by rabbits and insects. Frogs eat insects, while foxes eat rabbits. If insect population declines sharply, which effect is most likely?

- A. Fox population will increase rapidly
- B. Frog population will suddenly decrease ✓
- C. Grass population will perish
- D. Rabbit population will diminish

Q8 Electromagnetic Induction

Which setup is most likely to produce a larger induced current in a coil?

- A. Using more turns of wire in the coil ✓
- B. Using a smaller magnet
- C. Using fewer turns of wire in the coil
- D. Moving the magnet more slowly

Q9 Five Kingdom Classification

While reviewing classification systems, a biologist notes confusion in placing amoeba in the two-kingdom system. Which key feature caused this confusion?

- A. Amoeba is unicellular, moves and is heterotrophic ✓
- B. Amoeba lacks a cell wall and is stationary
- C. Amoeba has a true nucleus and is autotrophic
- D. Amoeba is photosynthetic and multicellular



Q10 Mechanics

Which physical quantity is defined as the rate of change of velocity with respect to time?

A. Acceleration



B. Speed

C. Distance travelled

D. Displacement

Q11 Mechanics

Which quantity indicates the factor by which a simple machine multiplies the applied force?

A. Velocity ratio

B. Mechanical advantage



C. Input work

D. Efficiency

Q12 Mirrors & Lenses

A convex lens forms a real, inverted image three times larger than the object. If the object is placed 30 cm from the lens, what is the closest approximate value of the power of the lens?

A. +3.2 D

B. +4.44 D



C. +1 D

D. +2 D

Q13 Newton's Laws of Motion

According to the first law of motion, what will happen to a ball rolling on a smooth, horizontal surface if no external force acts on it?

A. The ball will continue to roll at a constant speed in the same direction.



B. The ball will change its direction automatically.

C. The ball will gradually slow down and stop by itself.

D. The ball will speed up on its own.

Q14 Physical & Chemical Properties

Which metal forms a protective oxide layer on its surface when heated in air, preventing further oxidation?

A. Iron

B. Aluminium



C. Sodium

D. Copper

Q15 Physical & Chemical Properties

Which of the following observations correctly represents corrosion of a metal?

A. Iron develops reddish-brown surface layer



B. Aluminium breaks under mechanical load

C. Copper wire melts when strongly heated

D. Silver dissolves completely in water

Q16 Plant Biology

What causes plant cells to change shape during movement?

A. Water content



B. Temperature

C. Special proteins

D. Light energy

Q17 Properties & Tests

Different acids show similar chemical properties because they all produce which of the following ions in aqueous solution?

A. Hydroxide ions

B. Sodium ions

C. Hydrogen ions



D. Chlorine ions

Q18 Reflection & Refraction

What is the angle between the incident and emergent rays called in the context of a prism?

A. The angle of refraction

B. The angle of incidence

C. The angle of emergence

D. The angle of deviation

**Q19 Reproductive System**

A woman undergoes IVF, and the fertilised egg is implanted in her uterus. Which of these marks the clinical beginning of her pregnancy in this scenario?

A. Manual fertilisation in the lab

B. Implantation of the fertilised egg



C. Natural ovulation of the egg

D. Initial division of the zygote



Q20 Reproductive System

In humans, which reproductive cell possesses a tail that helps it swim toward the egg?

- A. Embryo
- B. Sperm
- C. Zygote
- D. Egg

**Q21 Respiratory System**

What are the tiny balloon-like structures located at the end of the smallest tubes in the human lungs called?

- A. Bronchi
- B. Alveoli
- C. Villi
- D. Bronchioles

**Q22 Soaps & Detergents**

The cleaning action of detergents is most effective in:

- A. Highly acidic medium
- B. Neutral medium
- C. Alkaline medium
- D. Acidic medium

**Q23 Wave Properties (Frequency, Wavelength)**

If a musical instrument produces a sound with a frequency of 200 Hz, which of the following frequencies will produce a sound of higher pitch than this instrument?

- A. 120 Hz
- B. 150 Hz
- C. 350 Hz
- D. 180 Hz

**Q24 Winds & Pressure Belts**

A physician in a hilly village notices that bedrooms near the mountain base feel cooler at night. Which atmospheric process best explains this observation?

- A. Cold air descending as mountain breeze
- B. Moist air flowing as sea breeze
- C. Cool air moving as land breeze
- D. Warm air rising as valley breeze

**Q25 Work, Energy & Power**

A vehicle of mass M travels at velocity V . If its kinetic energy increases by a factor of 9, how much does its velocity change?

- A. The velocity is quadrupled
- B. The velocity is doubled
- C. The velocity is increased nine times
- D. The velocity is tripled

**Mathematics**

25 Questions • Answer Key

Q26 3-Year Difference

A person finds that the compound interest on a sum at 5% per annum for three years is greater than the simple interest by ₹61. What is the sum?

- A. ₹8,200
- B. ₹7,890
- C. ₹9,400
- D. ₹8,000

**Q27 AA, SAS, SSS Similarity**

In triangle ABC, $\angle A = 30^\circ$, $\angle B = 60^\circ$ and $\angle C = 90^\circ$. In triangle DEF, $\angle D = 30^\circ$, $\angle E = 60^\circ$ and $\angle F = 90^\circ$. If $AB:DE = 2:3$, what is the ratio of the areas of the two triangles?

- A. 4:9
- B. 2:1
- C. 3:5
- D. 1:2



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Q28 Annual Compounding

Krish has ₹1681 with him. He divided it amongst his sons Veer and Nitin and asked them to invest it at 5% rate of compound interest per annum, compounded annually. It was seen that Veer and Nitin got same amount after 12 and 13 years respectively. How much (in ₹) did Krish give to Veer?

A. 861



B. 711

C. 920

D. 820

Q29 Average Speed

Ramesh travels with the speed of 60 km per hour for the first 2 hours. For the next two hours, he travels with a speed of 50 km per hour. Find the average speed (in km per hour) of his entire journey.

A. 65

B. 50

C. 60

D. 55

**Q30 Basic TSD**

With an average speed of 60 kmph, a bus reaches its destination on time. If it goes at an average speed of 55 kmph, then it is late by 10 minutes. The total distance of the journey is:

A. 110 km



B. 120 km

C. 100 km

D. 70 km

Q31 Dividing Quantity in Ratio

Some laddoos are packed in four boxes, A, B, C, and D, in the ratio 5:6:8:3. If box C has 225 more laddoos than box A, how many laddoos are there in box D?

A. 375

B. 300

C. 275

D. 225

**Q32 Family Age Problems**

5 years ago, the age of a mother was 12 years more than thrice her daughter's age. After how many years from now, will she be thrice her daughter's age?

A. 1 year



B. 4 years

C. 2 years

D. 3 years

Q33 Find Principal

Padmini borrowed a certain amount for 5 years at the simple interest rate of 10% per annum. If the total amount to be paid after 5 years is ₹24,000, then find the principal amount.

A. ₹15,800

B. ₹18,000

C. ₹17,400

D. ₹16,000

**Q34 Order of Operations**

Evaluate: $16 - 5 \times 4 + 5$

A. 1



B. 3

C. 0

D. -1

Q35 Percentage Increase/Decrease

The income of Raman is ₹10,200. He saves 30% of his income. If his income increases by 14% and expenditure increases by 40%, then his savings will:

A. increase by ₹1,429

B. decrease by ₹1,428



C. decrease by ₹1,427

D. increase by ₹1,430

Q36 Proportion

Four numbers a, b, c, d are in proportion. If $a = 32$, $b = 72$, and $c = 180$, what is the value of d?

A. 405



B. 400

C. 415

D. 410



Q37 Rules for 2,3,4,5,6

The 7-digit number 39A122B is divisible by 3. What is the minimum value of (A + B)?

- A. 3
- B. 6
- C. 1
- D. 2

**Q38** Rules for 7,8,9,11

If a 7-digit number 29009A6 is completely divisible by 7, what is the least value of A?

- A. 1
- B. 5
- C. 2
- D. 9

**Q39** Single Change

The salary of an employee decreased from ₹50,000 to ₹45,000. Find the percentage decrease in salary.

- A. 8%
- B. 15%
- C. 12%
- D. 10%

**Q40** Successive Discount

The marked price of a cooker is same at four shops I, II, III and IV.

Shop I allows two successive discounts of 90% and 61%, shop II allows successive discounts of 15% and 98%, shop III allows successive discounts of 28% and 99%, and shop IV allows successive discounts of 91%, 37%, and 95% on the marked price of the cooker.

Which shop is selling the cooker at the lowest price?

- A. II
- B. III
- C. I
- D. IV

**Q41** Ungrouped Data Mode

The sizes of bags sold in a store during a day are given below:

10, 4, 6, 8, 7, 4, 8, 2, 9, 5, 4, 6, 9

Find the mode of the data.

- A. 5
- B. 2
- C. 4
- D. 1

**Q42** Weighted Average

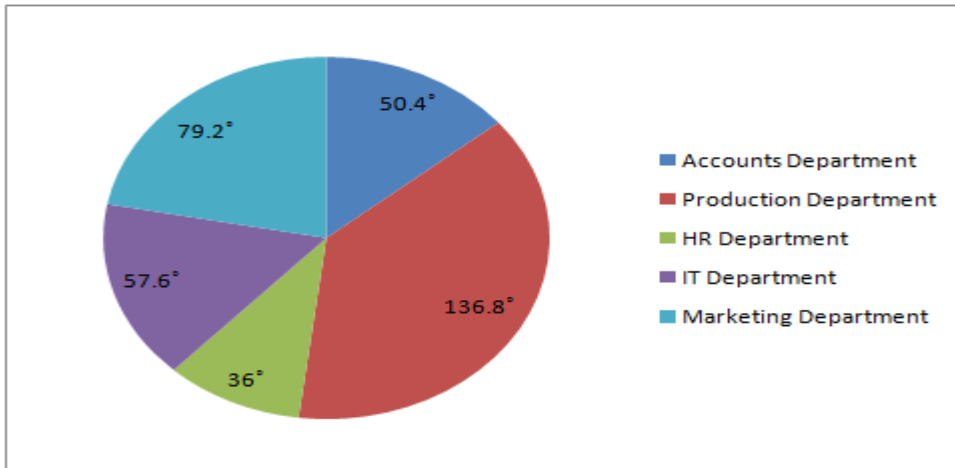
In a survey, 4 people rated a product 5 and 6 people rated it 3. What is the weighted average rating?

- A. 3.5
- B. 3.8
- C. 4.2
- D. 4.0



Q43 Degree Based

The following pie chart shows the degree-wise distribution of 4800 employees working in various departments of an organization, and the ratio of number of men to number of women is 3:5. What is the number of men working in the HR department?



A. 194

B. 196

C. 180



D. 198

Q44 Diagonal of Cube/Cuboid

The dimensions of a cuboid are in the ratio 1 : 2 : 3. If the length of the space diagonal of the cuboid is $\sqrt{56}$ cm, find the volume of the cuboid.

A. 46 cm³B. 48 cm³C. 45 cm³D. 84 cm³**Q45 Leaving Midway**

A can complete a piece of work alone in 10 days, and B can complete it alone in 30 days. They work together for 6 days. Then A leaves, and B works alone for 4 more days. What fraction of the work still remains unfinished?

A. $\frac{1}{5}$ B. $\frac{1}{15}$ C. $\frac{2}{15}$ D. $\frac{1}{10}$ 

Q46 Mean of Grouped Data

If the mean of the following data is 46, then what is the value of x?

Class	10-20	20-30	30-40	40-50	50-60
Frequency	36	20	29	26	x

A. 210

B. 190

C. 209



D. 206

Q47 Profit/Loss Percentage

A merchant buys 10 identical items at a total cost of ₹6,000. He sells 6 of them at a 15% profit and the remaining 4 at a 10% loss. Find the overall profit or loss percentage.

A. 10% loss

B. 5% profit



C. 5% loss

D. 10% profit

Q48 Sphere & Hemisphere

If 64 identical small spheres are made out of a big sphere of diameter 16 cm, then what will be the surface area of the small spheres?

A. $16\pi\text{cm}^2$ B. $14\pi\text{cm}^2$ C. $2\pi\text{cm}^2$ D. $12\pi\text{cm}^2$ **Q49** Standard Angle Values

Find the value of $\sin^2 10^\circ + \sin^2 80^\circ + \tan^2 45^\circ + \sec^2 60^\circ + \sin^2 30^\circ$.

A. $\frac{15}{2}$ B. $\frac{20}{3}$ C. $\frac{25}{4}$ D. $\frac{25}{3}$ 

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Q50 $\sin^2 + \cos^2 = 1$

If $\sin A + \cos A = m$, then what is the value of $\sin^4 A + \cos^4 A$?

A. $1 - \frac{(1-m^2)^2}{2}$



B. $1 + \frac{(1-m^2)}{2}$

C. $1 - \frac{(1-m^2)}{2}$

D. $1 + \frac{(1-m^2)^2}{2}$

General Intelligence & Reasoning

30 Questions • Answer Key

Q51 Day of Week Assignment

Each of T, R, O, U, B, L and E has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. Only three people have exam between U and O. O has exam on the last day of the week. Only one person has exam between B and R. T has exam immediately the day before E. L does not have exam on Friday. How many people have exam between L and T?

A. Three



B. Two

C. Four

D. One

Q52 Facing Center

H, I, J, K, L, and M are sitting around a circular table facing the center. K sits to the immediate right of J. Only two people sit between I and M when counted from the left of I. L sits to the immediate right of H. H is not an immediate neighbor of I. Who sits to the immediate left of J?

A. H

B. L

C. M

D. I



Q53 Facing Center

Six friends, C, D, E, O, P and Q, are sitting around a circular table, facing the center of the table. D sits to the immediate left of P. C sits to the immediate left of Q. O sits third to the left of P. Who sits third to the right of E?

A. Q

B. P

C. O

D. C



Q54 Floor/Building Arrangement

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

A. Three

B. One

C. Two



D. Four

Q55 Floor/Building Arrangement

Seven boxes B, F, G, H, R, T and Y are kept one over the other but not necessarily in the same order. F is kept immediately above Y. B is kept immediately above G. Only R is kept above H. Only two boxes are kept above F. B is not kept at third position from the bottom. How many boxes are kept below H?

A. 5



B. 4

C. 3

D. 2

Q56 Group Pattern

What should come in place of ? in the given series based on the English alphabetical order?
RQY OSX LUW IWV ?

A. DYV

B. FYU



C. EXV

D. EXU



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Q57 Letters in a Given Word

Each vowel in the word CONNECT 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 be fourth from the right in the new group of letters thus formed?

A. M



B. L

C. O

D. N

Q58 Mathematical Operations

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

(Left) 614 823 579 302 486 (Right)

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

How many numbers have the second digit greater than the first digit?

A. One

B. None

C. Two



D. Three

Q59 Mathematical Operations

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

(Left) 284 286 297 213 246 273 (Right)

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

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

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

A. 10



B. 9

C. 8

D. 13

Q60 Missing Number

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

715 747 763 795 811 843 ?

A. 853

B. 866

C. 859



D. 861

Q61 Multiple Turns

Kishan starts from Point A and drives 34 km towards the north. He then takes a right turn, drives 44 km, turns right and drives 46 km. He then takes a right turn and drives 51 km. He takes a final right turn, drives 12 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 7 km to the east



B. 6 km to the west

C. 4 km to the east

D. 9 km to the east

Q62 Number Series

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

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

(Right)

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

A. 4

B. 3



C. 5

D. 2



Q63 Operation Based

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 etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

6 - 21

8 - 27

A. 12 - 61

B. 9 - 30

C. 7 - 22

D. 13 - 24

Q64 Operation Based Coding

If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 6342718, what will be the sum of the digits that are second from the left and second from the right?

A. 7

B. 4

C. 5

D. 6

Q65 Operator Swap

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

$$13 - 16 \div 22 + 87 \times 3 = ?$$

A. 246

B. 233

C. 219

D. 201

Q66 Pattern Based

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: BEB :: TWT : %

A. # = FIE , % = ORO

B. # = FKH , % = PSP

C. # = FIF , % = PRQ

D. # = FIF , % = PSP

Q67 Pattern Based

GKUB is related to LPZG in a certain way based on the English alphabetical order. In the same way, LIHM is related to QNMR. To which of the following is AJSU related to following the same logic?

A. FPYY

B. EPXY

C. FOXZ

D. EOYZ

Q68 Pattern Based

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: FEI :: POS : %

A. # = EFJ , % = QPT

B. # = EDH , % = QPT

C. # = EDG , % = POS

D. # = EDH , % = QOU

Q69 Position Pattern

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

A. JHE

B. HFC

C. LJK

D. PNK



Q70 Position Pattern

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. TX-UY

B. VZ-WA

C. EI-EL



D. SW-TX

Q71 Rearrangement of Letters

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

A. Two

B. One



C. None

D. Three

Q72 Shortest Distance

Aparna started from a hotel and walked 4 m towards the west. She then took a right turn and walked 6 m before taking a left turn and walking 10 m. She finally took a left turn, walked 6 m and reached her house. What is the shortest distance between her house and the hotel?

A. 12 m

B. 14 m



C. 18 m

D. 20 m

Q73 Square/Cube Based

144 is related to 12 following a certain logic. Following the same logic, 225 is related to 15. To which of the given options is 169 related, following the same logic?

(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 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.)

A. 14

B. 12

C. 13



D. 15

Q74 Symbol Based

In a certain code language,
A # B means 'A is the son of B',
A % B means 'A is the brother of B',
A – B means 'A is the wife of B', and
A @ B means 'A is the father of B'.

How is S related to U if 'S # M – H % Y @ U'?

A. Father's father

B. Father's brother's son



C. Father's brother

D. Brother's son

Q75 Symbol Based

In a certain code language,
A + B means 'A is the father of B',
A – B means 'A is the brother of B',
A × B means 'A is the son of B' and
A ÷ B means 'A is the sister of B'.

How is S related to N if 'S – T + U ÷ V × N'?

A. Sister's husband

B. Mother's brother

C. Daughter's husband

D. Husband's brother

**Q76 Symbol Included Pattern**

Refer to the given letter, number and symbol series and answer the question that follows. Counting to be done from left to right.

(Left) F 5 E @ D L N % 8 B * R Z 6 Q 3 # P N 4 Y 7 & K A
(Right)

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

A. Two



B. Four

C. One

D. Three



Q77 Symbol Included Pattern

Refer to the given number and symbol series and answer the question that follows. All numbers are single-digit numbers only.

(Left) 9 \$ 2 # 8 & 3 @ 1 % 6 * 7 (Right)

If all the numbers are dropped, which of the following elements will be fourth from the left?

A. @



B. &

C. #

D. \$

Q78 Symbol Substitution

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

72 D 8 B 4 C 5 A 15 = ?

A. 8

B. 10

C. 4



D. 12

Q79 Two Statement Sufficiency

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Among 5 poles, D, R, C, Z and Y each having a different height, which pole is the tallest?

(I) D is taller than only two poles. R is immediately taller than Y

(II) Z is taller than Y

A. Statement (II) alone is sufficient, but statement (I) alone is not sufficient.

B. Both statements (I) and (II) together are NOT sufficient to answer the question, but neither alone is sufficient.



C. Both statements (I) and (II) together are sufficient to answer the question.

D. Statement (I) alone is sufficient, but statement (II) alone is not sufficient.

Q80 Two Statement Syllogism

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

Statements:

Some pink are blue.

All blue are sky.

Conclusions:

(I) Some sky are blue.

(II) Some sky are pink.

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

B. Only conclusion (I) follows

C. Only conclusion (II) follows

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

**General Awareness**

20 Questions • Answer Key

Q81 Constitutional Posts

Which of the following political personalities became Chief Minister for the first time in 2026, marking a significant political development associated with the rise of a newly formed regional party?

A. Rekha Gupta

B. Joseph Vijay



C. Suvendu Adhikari

D. Samrat Choudhary

Q82 Defense & Technology

Which platform showcased next-generation electronics and semiconductor innovation led by DRDO in 2025?

A. National Electronics and Semiconductor Meet 2025

B. Global Science and Innovation Summit 2025

C. Defence Technology Exhibition 2025

D. Emerging Science Technology Innovation Conclave 2025



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Q83 Digital India Updates

Which organization conducted nationwide trial of India's Cell Broadcast Alert System in May 2026?

- A. Defence Research and Development Organisation
- B. National Disaster Management Authority ✓
- C. Indian Space Research Organisation
- D. Centre for Development of Advanced Computing

Q84 Economic Current Affairs

According to the Reserve Bank of India's Payments System Report released in 2026, which payment system accounted for the highest share of transaction volume in India?

- A. Immediate Payment Service (IMPS)
- B. National Electronic Funds Transfer (NEFT)
- C. Real-Time Gross Settlement (RTGS)
- D. Unified Payments Interface (UPI) ✓

Q85 Environment Current Affairs

Which principle was emphasized in India's E-Waste Management framework during 2025-26?

- A. Extended producer responsibility for the environmentally sound collection and recycling of electronic junk ✓
- B. Complete prohibition of domestic electronics manufacturing within urban industrial clusters nationwide
- C. Mandatory export of all discarded electronic products to overseas hazardous waste processing facilities
- D. Elimination of digital communication devices from government educational institutions and offices

Q86 Famous Works & Authors

Who is the author of the book 'On Earth as It Is Beneath'?

- A. Ana Paula Maia ✓
- B. Olga Tokarczuk
- C. Valeria Luiselli
- D. Fernanda Trías

Q87 HDI, GHI, etc.

What is India's rank in the 'Corruption Perceptions Index (CPI) 2025' released in February 2026?

- A. 101
- B. 91 ✓
- C. 75
- D. 80

Q88 Individual Records

In February 2026, which of the following players had played the most number of international matches in women's cricket?

- A. Jhulan Goswami
- B. Smriti Mandhana
- C. Mithali Raj
- D. Harmanpreet Kaur ✓

Q89 Individual Records

Who created history by becoming the fastest ever Indian sprinter in the men's 100-m final at the Federation Cup in Ranchi, Jharkhand, in May 2026?

- A. Gurindervir Singh ✓
- B. Amlan Borgohain
- C. Animesh Kujur
- D. Manikanta Hoblidhar

Q90 Key Announcements

Under the Union Budget 2026–27, the Government of India proposed the launch of which scheme aimed at developing India into a global biopharma manufacturing hub?

- A. Biopharma SHAKTI ✓
- B. Pharma Vision 2047
- C. National Bioscience Acceleration Programme
- D. BioNex India Mission

Q91 Missile Tests & Systems

India successfully conducted the flight trial of an Advanced Agni missile equipped with a Multiple Independently Targeted Re-entry Vehicle (MIRV) system on 8 May 2026 from which of the following locations?

- A. Sriharikota Space Centre, Andhra Pradesh
- B. Dr APJ Abdul Kalam Island, Odisha ✓
- C. Balasore Missile Testing Facility, West Bengal
- D. Pokhran Test Range, Rajasthan



Q92 National Current Affairs

As per announcement made in April 2026 by the Agricultural and Processed Food Products Export Development Authority, where will the training center be established to promote basmati cultivation and organic farming?

- A. Andhra Pradesh
- B. Himachal Pradesh
- C. Uttar Pradesh ✓
- D. Madhya Pradesh

Q93 National Current Affairs

During which edition of the Foundation Day celebrations of Jawaharlal Nehru Port Authority (JNPA) did government of India launch the Logistics Port Performance Index (LPPI) in May 2026?

- A. 47th
- B. 57th
- C. 37th ✓
- D. 67th

Q94 National Current Affairs

Which ministry in collaboration with the **All India Ayurvedic Congress** organized the four-day **National Arogya Fair 2026** at Shegaon in Buldhana district, Maharashtra?

- A. Ministry of AYUSH ✓
- B. Ministry of Tribal Affairs
- C. Ministry of Education
- D. Ministry of Rural Development

Q95 National Current Affairs

Under which specific operational vision did the Ministry of Minority Affairs organize the National Conclave on Minorities Welfare on 14th May, 2026?

- A. Vikasit Aur Surakshit Bharat
- B. Sabka Saath, Sabka Vikas
- C. Samaveshi Aur Saksham Samaj
- D. Bhagidaari Se Bhaagyoday ✓

Q96 New Parks & Reserves

Which of the following sanctuaries has been designated as a protected Ramsar site in 2026?

- A. Coringa Wildlife Sanctuary
- B. Vikramshila Gangetic Dolphin Sanctuary
- C. Patna Bird Sanctuary ✓
- D. Barela Bird Sanctuary

Q97 New Schemes & Programs

The Bio-AI initiative launched by the Government of India in 2026 mainly aims to accelerate progress in which of the following areas?

- A. Development of advanced biological products and manufacturing processes using data-driven research tools ✓
- B. Replacement of pharmaceutical research with fully autonomous industrial production systems
- C. Promotion of fossil-fuel-based industrial technologies through algorithmic resource optimisation
- D. Expansion of conventional mineral exploration activities through automated geological surveys

Q98 Rankings & Reports

In January 2026, which of the following organisations published The Global Risks Report 2026?

- A. United Nations Conference on Trade and Development
- B. International Monetary Fund
- C. World Economic Forum ✓
- D. World Health Organization

Q99 Team Achievements

How many gold medals did the Indian U-15 girls team win at the Asian Boxing U-15 Championship, 2026?

- A. 5
- B. 4
- C. 7 ✓
- D. 12

Q100 Team Achievements

At the 2026 Barebow Asia Championship, which country's men's barebow team set a new archery world record with a score of 1864 points?

- A. United States
- B. Japan
- C. South Korea
- D. Malaysia ✓



General Science

25 Questions • Answer Key

Q1 Atomic Structure & Models

The path along which an electron revolves around the nucleus is called:

- A. Proton
- B. Molecule
- C. Neutron
- D. Orbit

**Q2 Atoms & Molecules**

Molecules of compounds are formed by:

- A. Random atomic combinations
- B. Different elements in fixed ratios
- C. Physical mixing of atoms
- D. Similar atoms only

**Q3 Basic Organic Chemistry**

Which of the following best explains why ethanol conducts electricity poorly despite being a liquid and having a polar O-H bond?

- A. It decomposes in water into CO_2 and H_2O
- B. It is a covalent compound and does not ionize in solution
- C. It dissociates completely into ions in water
- D. It is a weak base that accepts protons

**Q4 Basic Organic Chemistry**

When ethanol reacts with sodium metal, which gas is released as a result of the reaction?

- A. Nitrogen gas
- B. Oxygen gas
- C. Hydrogen gas
- D. Carbon dioxide

**Q5 Circulatory System (Heart, Blood)**

A researcher observes an animal with three-chambered heart and some mixing of oxygenated and deoxygenated blood. What energy adaptation does this animal likely exhibit according to the context?

- A. It has a highly efficient oxygen supply
- B. It maintains body temperature using constant energy
- C. It possesses double circulation with no mixing
- D. It does not maintain its body temperature using constant energy

**Q6 Current Electricity (Ohm's Law, Circuits)**

In an electric circuit, what produces the potential difference needed for charge flow?

- A. The resistance of the wire to current
- B. The gravitational pull on electrons
- C. Connecting wires alone between two points
- D. A battery consisting of one or more electric cells

**Q7 Digestive System**

Which organ helps crush food into smaller pieces during eating?

- A. Stomach
- B. Tongue
- C. Teeth
- D. Salivary glands

**Q8 Digestive System**

Which structure in Amoeba is primarily responsible for engulfing food particles?

- A. Temporary pseudopodia
- B. Cytoplasm within the cell membrane
- C. Cilia covering cell surface
- D. Cell wall surrounding the organism



Q9 Ecosystem & Food Chain

In a grassland ecosystem, which organisms will show the largest number of individuals?

- A. Frog
- B. Hawk
- C. Snake
- D. Grass



Q10 Extraction & Metallurgy

Select the option that is true regarding the following two statements labelled Assertion (A) and Reason (R).

Assertion (A): Metals such as sodium and potassium are extracted by electrolysis.

Reason (R): These metals are highly reactive and cannot be obtained by reduction with carbon.

- A. Both A and R are true, but R is not the correct explanation of A
- B. A is false, but R is true
- C. Both A and R are true, and R is the correct explanation of A
- D. A is true, but R is false



Q11 Global Warming & Climate Change

Which human activity helps reduce disruption of the carbon cycle?

- A. Increasing fossil fuel use
- B. Deforestation
- C. Overuse of fertilisers
- D. Adoption of solar energy



Q12 Magnetic Effects of Current

If the direction of current in a straight conductor is reversed, what will be the effect on the direction of the surrounding magnetic field lines?

- A. The magnetic field lines will reverse direction
- B. The magnetic field lines will become stronger
- C. The magnetic field lines will remain unchanged
- D. The magnetic field lines will become weaker



Q13 Mixtures, Solutions, Colloids

Which of the following is/are example(s) of a heterogeneous mixture?

- a) Colloidal solution
- b) Suspension
- c) Solution

- A. only (b)
- B. (a) and (b)
- C. only (a)
- D. only (c)



Q14 Newton's Laws of Motion

Which example indicates that forces acting on an object are balanced?

- A. A car accelerating down a road
- B. A ball falling to the ground
- C. A ball at rest begins to move
- D. A book lying motionless on a shelf



Q15 Newton's Laws of Motion

Why is it difficult to push a heavy box from rest, according to the first law of motion?

- A. The box has no wheels to roll
- B. The box resists changes to its state due to inertia
- C. The box is glued to the floor
- D. The box is pulled back by gravity



Q16 Properties & Tests

Both acids and bases conduct electricity in an aqueous solution because:

- A. They produce ions in water
- B. They release oxygen gas
- C. They form covalent bonds
- D. They contain free electrons



Q17 Reflection & Refraction

When a ray of light passes from air into water, how does the refractive index of water with respect to refractive index of air relate to the speed of light in these two media?

- A. The refractive index of water with respect to refractive index of air is the ratio of the speed of light in air to that in water ☒
- B. The refractive index of water with respect to refractive index of air is the difference of the speeds in air and water
- C. The refractive index of water with respect to refractive index of air is the ratio of the speed of light in water to that in air
- D. The refractive index of water with respect to refractive index of air is the sum of the speeds in air and water

Q18 Reproductive System

In humans, a mature egg is typically released from one of the ovaries every month in a process called _____.

- A. Spermatogenesis
- B. Puberty
- C. Menopause
- D. Ovulation ☒

Q19 Skeletal & Muscular System

Under a microscope, skeletal muscles show alternate light and dark bands. The cells of this tissue are long, cylindrical, unbranched, and _____.

- A. Uninucleate
- B. Dead
- C. Spindle-shaped
- D. Multinucleate ☒

Q20 Theory of Evolution

A group of scientists wants to determine the evolutionary relationships and common ancestry among closely related species in a region. Which classification criterion would provide the most reliable evidence?

- A. Activity patterns track
- B. External features alone
- C. Similarity in genetic code ☒
- D. Feeding habits profiles

Q21 Types (Combination, Decomposition, etc.)

Which of the following statements correctly explains the relation between a combination reaction and energy?

- A. Combination reactions neither release nor absorb energy
- B. All combination reactions release heat
- C. All combination reactions must absorb heat
- D. Many combination reactions are exothermic, though some can be endothermic ☒

Q22 Wave Properties (Frequency, Wavelength)

If two notes are played, one at 300 Hz and the other at 600 Hz, how do their pitches compare?

- A. The 300 Hz note is louder than the 600 Hz note
- B. Both notes have the same pitch
- C. The 300 Hz note has a higher pitch
- D. The 600 Hz note has a higher pitch ☒

Q23 Wave Properties (Frequency, Wavelength)

Which of the following features is unique to longitudinal sound waves?

- A. They move as crests and troughs through a medium.
- B. They form regions of compression and rarefaction. ☒
- C. They vibrate only up and down in a medium.
- D. They travel as side-to-side pulses in a medium.

Q24 Work, Energy & Power

A 3 kg stone is thrown vertically upwards with a speed of 8 m/s. What is its kinetic energy at the moment it leaves the thrower's hand?

- A. 48 J
- B. 24 J
- C. 72 J
- D. 96 J ☒

Q25 Work, Energy & Power

Which physical quantity must be known to calculate the kinetic energy of a moving object?

- A. Mass and velocity ☒
- B. Mass only
- C. Velocity only
- D. Mass and time



Q26 3-Year Difference

The difference between compound interest (compounded annually) and simple interest for 3 years at the rate of 20% per annum is ₹624. What is the principal lent?

A. ₹3,775

B. ₹5,975

C. ₹4,875



D. ₹6,075

Q27 Cost with Overhead Expenses

Arvind bought an article for ₹x. He sold it to Biru at a loss of 15%. Biru spent ₹101 on its transportation and sold it to Minu at a profit of 50%. If Minu bought it for ₹1,554, then what is the value of x?

A. 1,068

B. 1,100



C. 1,126

D. 1,087

Q28 Divisibility Rules

What is the least value that must be assigned to A so that the number 456A2384 is divisible by 16?

A. 0



B. 5

C. 4

D. 2

Q29 Find SI

Find the simple interest (in ₹) on a sum of ₹550 borrowed for 2.5 years at a rate of interest of 12% per annum.

A. 155

B. 165



C. 150

D. 145

Q30 HCF/LCM Word Problems

Find the greatest number of 4 digits which is divisible by 12, 24, 45 and 60.

A. 9,450

B. 9,720



C. 9,600

D. 9,256

Q31 Half-Yearly Compounding

A sum of money earns interest at a rate of 20% per annum, compounded half-yearly. An amount of ₹8,500 is invested on 1 January and another ₹8,500 is invested on 1 July of the same year. Find the total interest earned at the end of the year.

A. ₹2,635



B. ₹2,525

C. ₹2,540

D. ₹2,680

Q32 Mean Proportional

The width of a rectangle is 16 cm. If the length is the mean proportional between 9 cm and 16 cm, find the length of the rectangle.

A. 16 cm

B. 18 cm

C. 12 cm



D. 9 cm

Q33 Multiple Pipes

Pipe A can fill a tank in 3 hours, pipe B can fill the same tank in 7 hours and pipe C can fill the same tank in 42 hours. The time taken (in hours) by them to fill half of the same tank if they operate together is:

A. 1



B. 3

C. 4

D. 2

Q34 Percentage Increase/Decrease

The cost of a washing machine is 50% less than the cost of a TV. If the cost of the washing machine increases by 83% and that of the TV decreases by 38%, then what is the percentage change in the total cost of 8 washing machines and 4 TVs?

A. Decrease by 19%

B. Decrease by 27%

C. Increase by 26%

D. Increase by 22.5%



Q35 Relative Speed

Two stations S1 and S2 are 766 km apart. One train starts from S1 at 5:20 a.m. and travels towards S2 at 74 kmph. Another train starts from S2 at 7:50 a.m. and travels towards S1 on parallel tracks at a speed of 92 kmph. At what time will they meet?

A. 9:55 am

B. 11:20 am



C. 10:05 am

D. 9:50 am

Q36 Successive Discount

The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 57% and 29%, shop II allows successive discounts of 76% and 35%, shop III allows successive discounts of 53% and 86% and shop IV allows successive discounts of 58%, 13% and 12% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

A. III



B. II

C. IV

D. I

Q37 Surface Area

Two solid spheres are made of the same material. The weight of the larger sphere is 8 times that of the smaller sphere. If the radius of the smaller sphere is 7 cm, find the difference between the surface areas of both spheres. (Use $\pi = 22/7$)

A. 1828 cm²

B. 1888 cm²

C. 1848 cm²



D. 1868 cm²

Q38 Trapezium Properties

In a trapezium ABCD, $AB \parallel CD$ and $AB = 16$ cm, $CD = 8$ cm. What is the ratio of the areas of $\triangle ABC$ and $\triangle ACD$?

A. 4:3

B. 1:2

C. 2:1



D. 3:5

Q39 Two Persons Age Relation

The ratio of Manushi's and Nanina's present ages is 4 : 9. After 6 years, the ratio of their ages will be 6 : 11. What is Nanina's present age?

A. 24 years

B. 26 years

C. 27 years



D. 25 years

Q40 Two Successive Changes

An item undergoes two successive price increases of 12% each. Find the single equivalent percentage increase in the price of the item.

A. 24%

B. 25.44%



C. 22%

D. 24.44%

Q41 Two Trains Crossing

Two trains, 210 m and 150 m long, are running in the same direction. The faster train, moving at 60 km/h, overtakes the slower train in 30 seconds. Find the speed of the slower train.

A. 17.2 km/h

B. 15.6 km/h

C. 20 km/h

D. 16.8 km/h

**Q42 Volume**

The radius and height of the cylinder are equal. If the radius of the cylinder increased by 20% and the height of the cylinder is increased by 10%, then find the net increase in the volume of the cylinder.

A. 58.4%



B. 62.5%

C. 55.5%

D. 66.6%

Q43 Weighted Average

A library has an average number of 612 visitors on Sundays and 240 on other days. The average number of visitors per day in a month of 30 days beginning with a Sunday is:

A. 310

B. 298

C. 315

D. 302



Q44 $(a+b)^3, (a-b)^3$

If $x + \frac{1}{x} = \sqrt{20}$, find the value of $x^3 - \frac{1}{x^3}$, where $x > 1$.

A. 58

B. 82

C. 64

D. 76



Q45 Bracket Simplification

Simplify the following expression:

$$\frac{(36-6)^2}{3 \times 2} + 4 \times (5-3)^3$$

A. 172

B. 184

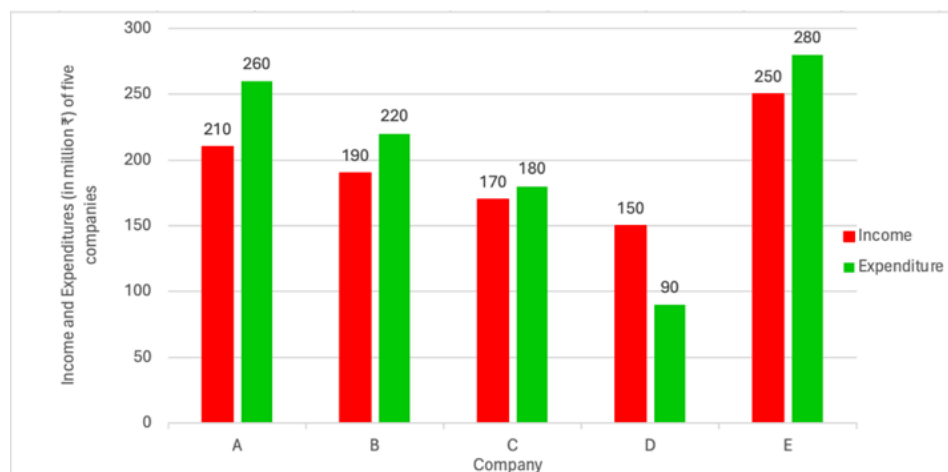
C. 176

D. 182



Q46 Comparative Analysis

The following bar graph shows the Income and Expenditure (in million ₹) of five companies, A, B, C, D, and E, in the year 2016. The profit or loss of a company is given by 'Profit or Loss = (Income – Expenditure)'.



What is the ratio of the combined profit or loss of companies B and C to that of A and E?

A. 1 : 2

B. 3 : 4

C. 1 : 3

D. 2 : 3



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Q47 Mean of Grouped Data

What is the value of $(4x + 2y)$, if the mean of the following distribution is 50?

Class	0-20	20-40	40-60	60-80	80-100	Total
Frequency	9	13	x	5	y	45

A. 34

B. 46



C. 29

D. 44

Q48 Mean of Grouped Data

Find the arithmetic mean of the following data.

Class interval	0-8	8-16	16-24	24-32	32-40
Frequency	8	10	6	4	12

A. 20.4



B. 19.6

C. 22.8

D. 21.2

Q49 Pythagorean Identities

Find the value of $\frac{\sin\theta}{(\sec\theta - 1)} + \frac{\sin\theta}{(\sec\theta + 1)}$.

A. $\tan\theta$ B. $2 \cot\theta$ C. $\cot\theta$ D. $2 \tan\theta$ **Q50 Pythagorean Identities**

Simplify $\frac{\cos \emptyset}{1 + \sin \emptyset} + \tan \emptyset$.

A. $\cos \emptyset$ B. $\sin \emptyset$ C. $\operatorname{cosec} \emptyset$ D. $\sec \emptyset$ 

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Q51 Day of Week Assignment

Each of C, D, E, F, G, X and Y has interview on a different day of a week, starting from Monday and ending on Sunday of the same week.

Only D has interview after Y. Only three people have interview between X and Y. Only three people have interview between G and D. F has interview on some day before E and on some day after C.

How many people have interview after X?

A. Three

B. Five



C. Two

D. Four

Q52 Facing Center

Eight people (M, N, O, P, Q, R, S and T) are sitting around a circular table facing towards the centre.

There are exactly three people sitting between M and R.

P is sitting to the immediate left of M.

N is an immediate neighbour of both M and S.

R is an immediate neighbour of both Q and T.

T is sitting second to the left of P.

Who is sitting immediately between P and T when counted from the left of P?

A. M

B. S

C. O



D. Q

Q53 Floor/Building Arrangement

A, B, C, D, S and T live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6. D lives on floor numbered 4. Only two people live between D and T. Only B lives between D and S. A lives immediately below D. Who lives on floor number 2?

A. S

B. A

C. C



D. T

Q54 Group Pattern

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

RRR OQP LPN ? FNJ

A. UOP

B. OIU

C. IOL



D. OPI

Q55 Letters Between Two Positions

This question is based on the given words.

JAM COT GEL EYE

How many letters are there in the English alphabetical order between the third letter of the second word from the right and the second letter of the second word from the left?

A. Five

B. Three

C. Four

D. Two

**Q56 Letters in a Given Word**

This question is based on the given words.

FAN OUH WIN YUP

If in each of the words, each vowel 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 letter-clusters thus formed will have no vowel?

A. Two



B. Zero

C. Three

D. One



Q57 Letters in a Given Word

Each vowel in the word CANDLESTICK 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 group of letters thus formed?

A. F

B. B

C. J



D. R

Q58 Missing Number

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

115 142 169 196 223 ?

A. 250



B. 253

C. 256

D. 247

Q59 Multiple Turns

Raghav starts from Point A and drives 23 km towards the south. He then takes a left turn, drives 15 km, turns left and drives 29 km. He then takes a left turn and drives 19 km. He takes a final left turn, drives 6 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 4 km to the west

B. 5 km to the west

C. 5 km to the east

D. 4 km to the east

**Q60 Number Series**

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

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

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

A. 5



B. 6

C. 7

D. 4

Q61 Number Series

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

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

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

A. One



B. None

C. Two

D. Three

Q62 Operation Based

18 is related to 37 following a certain logic. Following the same logic, 36 is related to 73. To which of the given options is 54 related, following the same logic? (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 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.)

A. 107

B. 113

C. 109



D. 111

Q63 Operation Based

19 is related to 57 in a certain way. Following the same way, 16 is related to 48. To which of the following is 2 related, following the same logic?

(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 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.)

A. 8

B. 7

C. 5

D. 6



Q64 Operation Based Coding

If 2 is added to each even digit and 1 is subtracted from each odd digit in the number 7164259, what will be the sum of first two digits from left in the new number thus formed?

A. 12

B. 8

C. 6



D. 10

Q65 Operation Based Coding

If 2 is added to each odd digit and 2 is subtracted from each even digit in the number 52183475, which of the following digits will be third from the left in the new number thus formed?

A. 5

B. 3



C. 0

D. 2

Q66 Pattern Based

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: DBY :: SQN : %

A. # = GFB % = PNS

B. # = GEB % = PNK



C. # = GRT % = POK

D. # = ERB % = PMD

Q67 Pattern Based

GAIN is related to ICGL in a certain way based on the English alphabetical order. In the same way, TWIN is related to VYGL. To which of the following options is MILK related, following the same logic?

A. OPMH

B. OKJI



C. PMJI

D. NKHG

Q68 Pattern Based

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

FO – IR – LU

GC – JF – MI

A. DP – GS – JU

B. MA – PD – SG



C. CH – GK – JO

D. NF – RJ – TL

Q69 Position Pattern

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. VY-AD

B. ZC-EH

C. IL-NQ

D. OR-SY

**Q70 Position Pattern**

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. IK - FH



C. PS - NQ

D. TW - RU

Q71 Position from Left/Right

Each of the digits in the number 1235684 is arranged in ascending order from left to right. What will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

A. 8



B. 5

C. 10

D. 12



Q72 Position from Left/Right

Mr. Plx ranked 87th from the top and 67th from the bottom in his class. How many students are there in his class?

A. 155

B. 145

C. 153



D. 157

Q73 Rearrangement of Letters

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

A. Three

B. One

C. None

D. Two

**Q74 Single Row (One-way/Both-way)**

Seven students, I, J, K, P, Q, R and Z, are sitting in a row, facing north.

R sits second to the right of Q. Only two people sit to the left of Q. Only three people sit between Q and Z. Only two people sit between R and P. I sits at some place to the right of J but at some place to the left of K. How many people sit to the right of I?

A. Two

B. Three



C. One

D. Four

Q75 Symbol Based

In a certain code language,
A + B means 'A is the son of B',
A - B means 'A is the husband of B',
A × B means 'A is the daughter of B', and
A ÷ B means 'A is the wife of B'.

How is P related to T if 'P + Q - R × S ÷ T'?

A. Son

B. Brother

C. Son's son

D. Daughter's son

**Q76 Symbol Based**

In a certain code language,
A @ B means 'A is the mother of B',
A # B means 'A is the brother of B',
A \$ B means 'A is the wife of B',
A % B means 'A is the father of B'.

How is Pranav related to Shilpa if 'Pranav \$ Geeta # Harsha @ Jyoti % Shilpa'?

A. Father's father's brother's daughter

B. Father's mother's brother's wife



C. Father's mother's brother's daughter

D. Father's father's brother's wife

Q77 Symbol Included Pattern

Refer to the given number and symbol series and answer the question that follows. All numbers are single-digit numbers only.

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

If all the symbols are dropped from the series, which of the following will be fifth from the left?

A. 2

B. 7



C. 4

D. 1

Q78 Two Statement Sufficiency

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Among 5 Sticks, U, R, N, S and T each having a different height, which Stick is the tallest?

(I) U is shorter than R but taller than N. N is taller than only one Stick

(II) S is taller than T

A. Data in Statement I alone is sufficient to answer the question while data in statement II is not

B. Data in Statement II alone is sufficient to answer the question while data in statement I is not

C. Both statements I and II together (and not statement 1 alone or statement II alone) are sufficient to answer the question.

D. Both statements I and II together are NOT sufficient to answer the question



Q79 Two Statement Syllogism

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

Statements:

Some books are novels.
All novels are stories.

Conclusions:

- (I) Some stories are books.
(II) No books are stories.

A. Only conclusion (I) follows



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

C. Only conclusion (II) follows

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

Q80 Two Statement Syllogism

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

Statements:

All birds are feathers.
No feather is a paw.

Conclusions:

- (I) No birds is a paw.
(II) Some paws are feathers.

A. Only conclusion (I) follows



B. Only conclusion (II) follows

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

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

General Awareness

20 Questions • Answer Key

Q81 Constitutional Posts

In the context of recent political changes in West Bengal, who became the first Chief Minister from the Bharatiya Janata Party (BJP) in the state as of May 9, 2026?

A. Suwendu Adhikari



B. Mamata Banerjee

C. Abhishek Banerjee

D. Dilip Ghosh

Q82 Constitutional Posts

In April 2026, Justice Lisa Gill was appointed as the Chief Justice of the High Court of which state?

A. Punjab

B. Haryana

C. Andhra Pradesh



D. Kerala

Q83 Health & Environment Days

What was the official theme of the World Health Day 2026 observed on 7 April 2026?

A. Health for all, leave no one behind

B. My health, my right

C. Building a fairer, healthier world

D. Together for health. Stand with science

**Q84 High Courts**

Which Indian High Court had directed the effective implementation of the menstrual leave policy across organised and unorganised sectors through an order dated 15 April 2026 while recognising menstrual leave as a fundamental right of women employees?

A. High Court of Maharashtra

B. High Court of Karnataka



C. High Court of Uttarakhand

D. High Court of Madhya Pradesh

Q85 IMF, World Bank, ADB

Which organisation had signed an agreement with the Government of India and the Government of Uttar Pradesh in March 2026 to support the Uttar Pradesh Clean Air Management Program?

A. International Monetary Fund

B. United Nations Development Programme

C. World Bank



D. Asian Development Bank



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Q86 IMF, World Bank, ADB

Which country received approval from the International Monetary Fund (IMF) Executive Board in February 2026 for a forty-eight-month Extended Fund Facility (EFF) arrangement worth about US\$8.1 billion?

- A. Ghana
- B. Pakistan
- C. Ukraine ✓
- D. Sri Lanka

Q87 Key Announcements

Which of the following schemes was announced in the Union Budget 2026-27?

- A. National Digital Health Mission
- B. Divyangjan Kaushal Yojana ✓
- C. Coir Udyami Yojana
- D. PM Vishwakarma

Q88 Key Announcements

Which scheme had been proposed in the Union Budget 2026-27 with an outlay of ₹10,000 crore over five years to strengthen India's end-to-end ecosystem for biologics and biosimilars?

- A. Pharma Innovation Bharat Scheme
- B. Digital Health Mission
- C. National Biotech Growth Initiative
- D. Bio-Pharma SHAKTI ✓

Q89 Literary & Sports Awards

At the Hockey India 8th Annual Awards 2025, who won the Hockey India Balbir Singh Sr. Award for Player of the Year?

- A. Harmanpreet Singh and Savita Punia
- B. Manpreet Singh and Vandana Katariya
- C. Abhishek Nain and Udit Duhan
- D. Hardik Singh and Navneet Kaur ✓

Q90 Military Exercises

What was the name of the multilateral military exercise that commenced at Umroi Military Station, Meghalaya, in May 2026 with participation from 12 friendly nations?

- A. MITRA SHAKTI 2026
- B. PRAGATI 2026 ✓
- C. SAMPRITI 2026
- D. YUDH ABHYAS 2026

Q91 Missile Tests & Systems

Which indigenously developed missile system by DRDO successfully completed **user evaluation trials** in **December 2025**, paving the way for its induction into India's armed forces?

- A. VL-SRSAM
- B. Akash-NG ✓
- C. BrahMos
- D. Pinaka-LRGR-120

Q92 Modern Indian Authors

Who is the author of the book "Dalit Women and the Fullness of Life", published in April 2026?

- A. Kiran Desai
- B. Anjali Rao
- C. Meena Kumari
- D. Christina Dhanuja ✓

Q93 National Current Affairs

The electoral victory described in political discussions as a major shift in West Bengal's assembly politics was associated with the emergence of which party as the principal opposition force in the state in 2026?

- A. All India Trinamool Congress (AITC)
- B. Bharatiya Janata Party ✓
- C. Communist Party of India (Marxist) CPI(M)
- D. Indian National Congress (INC)

Q94 National Current Affairs

In 2026, 'Operation Toofan: The Narco Hunt' was announced in which state as a special drive set to commence on June 1 targeting synthetic drug networks, inter-state syndicates, and peddlers near educational institutions?

- A. Karnataka
- B. Tamil Nadu
- C. Kerala ✓
- D. Andhra Pradesh

Q95 New Parks & Reserves

Which wetland was officially designated as India's 99th Ramsar site in April 2026?

- A. Patna Bird Sanctuary
- B. Kopra Jalashay
- C. Chhari-Dhand Wetland
- D. Shekha Jheel Bird Sanctuary ✓



Q96 Olympics, CWG, Asian Games

The 20th edition of the Asian Games, scheduled for September and October 2026, will be officially hosted by which country?

- A. South Korea
- B. China
- C. Qatar
- D. Japan

**Q97 Olympics, CWG, Asian Games**

Which country hosted the 2026 Winter Olympics, officially known as Milano Cortina 2026, conducted from 06 February to 22 February 2026, with Milan and Cortina d'Ampezzo as co-host cities?

- A. Italy
- B. Germany
- C. Switzerland
- D. France

**Q98 RBI Policy Updates**

In a major liquidity move in December 2025, the RBI announced Open Market Operations (OMOs) and a unique swap auction. What was the specific purpose of the \$10 billion USD/INR Buy/Sell swap announced on December 23, 2025?

- A. To facilitate the internationalization of the Rupee by creating an offshore market
- B. To absorb excess liquidity caused by foreign portfolio investments
- C. To provide a hedge against oil price volatility for public sector undertakings
- D. To inject durable rupee liquidity into the banking system without putting pressure on bond yields

**Q99 Recent Awards & Honors**

In November 2025, which Indian state was awarded the prestigious first prize in the 'Best State' category at the 6th National Water Awards 2024?

- A. Haryana
- B. Gujarat
- C. Karnataka
- D. Maharashtra

**Q100 Recent Tournaments**

The 13th Indian Open Race Walking Competition held in February 2026 took place in which city?

- A. Lucknow
- B. Jaipur
- C. Dehradun
- D. Chandigarh



General Science

25 Questions • Answer Key

Q1 Atomic Structure & Models

Which of the following statements is true about isotopes?

- A. Isotopes have the same number of neutrons
- B. Isotopes have different atomic numbers but same mass number
- C. Isotopes have the same number of protons but different number of neutrons ✓
- D. Isotopes are different elements with same atomic number

Q2 Atoms & Molecules

What is the formula unit mass of calcium chloride (CaCl_2)?

- A. 71 u
- B. 65 u
- C. 111 u ✓
- D. 46 u

Q3 Chemical Bonding (Ionic, Covalent)

Why do covalent compounds generally have low melting points?

- A. Because their intermolecular forces are weak ✓
- B. Because their bonds within molecules are weak
- C. Because they are composed of metals
- D. Because their molecules are large

Q4 Chemistry

Select the correct option regarding the following two statements labelled Assertion (A) and Reason (R).

Assertion (A): Coal and petroleum are called fossil fuels.
Reason (R): They were formed from the remains of ancient plants and animals.

- A. Both A and R are true, and R is not the correct explanation of A.
- B. Both A and R are true, and R is the correct explanation of A. ✓
- C. A is true, but R is false.
- D. A is false, but R is true.

Q5 Circulatory System (Heart, Blood)

A doctor observes a blood vessel with thick, elastic walls under a microscope. What is this vessel most likely to be?

- A. An artery ✓
- B. A vein
- C. A capillary
- D. A lymph vessel

Q6 Current Electricity (Ohm's Law, Circuits)

A student wants to reduce the power consumed by a device without changing the current. Which action will achieve this?

- A. Increase the resistance in the circuit
- B. Decrease the resistance in the circuit ✓
- C. Increase the temperature in the circuit
- D. Increase the voltage applied

Q7 Electromagnetic Induction

A coil of wire is moved rapidly into a region with a strong magnetic field. Which change will most likely increase the magnitude of the induced current in the coil?

- A. Increasing the speed at which the coil enters the magnetic field ✓
- B. Rotating the coil at the same speed within the field
- C. Holding the coil stationary in the field
- D. Using a thicker wire for the coil

Q8 Five Kingdom Classification

A waterborne outbreak reveals that causative agent is single-celled, nucleus-lacking organisms thriving in sewage and animal intestines. Which group do these organisms most likely belong to?

- A. Kingdom Monera ✓
- B. Kingdom Plantae
- C. Kingdom Protista
- D. Kingdom Fungi



Q9 Mechanics

Which of the following vectors correctly represents the displacement if an object moves from the point (0, 0) to the point (4, -3) in a plane?

- A. (-4, 3)
- B. (-3, 4)
- C. (4, -3) ✓
- D. (3, -4)

Q10 Mirrors & Lenses

A ray parallel to the principal axis strikes a concave mirror. After reflection, it passes through which point?

- A. The center of curvature
- B. The focus of the mirror ✓
- C. The pole of the mirror
- D. The vertex of the mirror

Q11 Mixtures, Solutions, Colloids

The correct decreasing order of the size of the particles in suspension, solution, and colloid is:

- A. suspension > solution > colloid
- B. suspension > colloid > solution ✓
- C. colloid > suspension > solution
- D. solution > colloid > suspension

Q12 Nervous System & Brain

Why is the structure of neurons important for their role in the nervous system?

- A. Allows signal transmission ✓
- B. Repairs tissues
- C. To store nutrients
- D. To produce enzymes

Q13 Newton's Laws of Motion

If an object continues moving in the same direction at the same speed, what can be inferred about the forces acting on it?

- A. The forces are unbalanced
- B. The forces are balanced ✓
- C. All forces are in same direction as direction of motion
- D. The forces always cancel gravity

Q14 Oxidation & Reduction (Redox)

Consider the reaction:



Which of the following correctly identifies the substance undergoing reduction in this reaction?

- A. CO produced during oxidation
- B. ZnO loses oxygen forming Zn ✓
- C. ZnO converted into zinc metal
- D. Carbon gains oxygen forming CO

Q15 Plant Tissues & Transport

A mutation disrupts the transportation system in a plant, causing accumulation of oxygen and waste products in leaf cells. Which two life processes are most directly hindered as a result?

- A. Growth and excretion
- B. Respiration and excretion ✓
- C. Nutrition and growth
- D. Nutrition and respiration

Q16 Properties & Tests

Why should acids be diluted carefully?

- A. To avoid splashing ✓
- B. To reduce concentration
- C. To increase acidity
- D. To make reaction fast

Q17 Reactivity Series

When a metal is placed in the salt solution of another metal and a reaction occurs, what does it indicate about the two metals?

- A. Both metals are equally reactive
- B. The metal in solution is more reactive
- C. No information about reactivity can be determined
- D. The solid metal is more reactive than the metal in solution ✓

Q18 Reproductive System

All of the following are parts of the human female reproductive system, EXCEPT _____.

- A. Vagina
- B. Oviducts
- C. Uterus
- D. Vas deferens ✓



Q19 Reproductive System

The _____ of a sperm cell contains the genetic material required for fertilisation.

A. Head



B. Tail

C. Fluid

D. Membrane

Q20 Respiratory System

A patient develops frequent coughing and respiratory infections after starting to smoke. Which physiological change best explains this?

A. Bronchial constriction throughout the lungs

B. Loss of cilia function in the upper respiratory tract



C. Excess saliva secretion in the oral cavity

D. Rapid increase in blood pressure and heart rate

Q21 Theory of Evolution

A researcher is studying how small differences among individuals over generations contribute to the emergence of new life forms. Which process does this scenario illustrate?

A. Evolution of biodiversity



B. Genetic drift

C. Ecological succession

D. Taxonomic classification

Q22 Wave Properties (Frequency, Wavelength)

Which statement is true about two sounds with the same amplitude but different frequencies?

A. They have the same pitch but different loudness

B. They travel at different speeds in the same medium

C. They have the same loudness but different pitch



D. They have the same frequency but different amplitudes

Q23 Wave Properties (Frequency, Wavelength)

Which of the following statements best describes how sound travels through different materials?

A. Sound travels fastest in gases and slowest in solids.

B. Sound travels at the same speed in all materials.

C. Sound travels fastest in liquids and slowest in gases.

D. Sound travels faster in solids than in liquids and gases.

**Q24 Work, Energy & Power**

A climber is carrying a backpack up a mountain with varying slopes. At which point during the climb is the potential energy of the backpack at its maximum, assuming no energy is lost and the mass remains constant?

A. At the steepest slope of the climb

B. At the highest elevation reached during the climb



C. At the starting position at the mountain base

D. At the halfway point up the mountain

Q25 Work, Energy & Power

A cyclist applies brakes to stop a moving bicycle. The work done by the braking force on the bicycle is _____.

A. Negative only



B. Both positive and negative

C. Positive only

D. Zero

Mathematics

25 Questions • Answer Key

Q26 AA, SAS, SSS Similarity

PQR is a triangle and D is a point on side QR. If QR=16 cm, QD=12 cm and $\angle QPR = \angle PDR$, then find the length of PR.

A. 64 cm

B. 4 cm

C. 8 cm



D. 28 cm

Q27 Annual Compounding

Jaspreet deposited a sum of ₹64,750 at 20% rate of interest per annum, compounded annually. The total amount received by Jaspreet after 2 years is:

A. ₹92,875

B. ₹93,080

C. ₹93,240



D. ₹93,349



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Q28 Average Speed

A motor bike travels at the speed of 54 km/hr for 2 hours, then it travels 70 km/hr for 3 hours, and finally travels 60 km/hr for 3 hours. What is the average speed of the motor bike for the entire trip?

- A. 64.18 km/hr
- B. 59.28 km/hr
- C. 56.83 km/hr
- D. 62.25 km/hr

**Q29 Basic Ratio**

The ratio of two numbers is 6 : 11. If the smaller number is 18, find the larger number.

- A. 27
- B. 30
- C. 33
- D. 22

**Q30 Cost with Overhead Expenses**

Arvind bought an article for ₹x. He sold it to Biru at a loss of 16%. Biru spent ₹147 on its transportation and sold it to Minu at a profit of 40%. If Minu bought it for ₹1,617, then what is the value of x?

- A. 1,186
- B. 1,227
- C. 1,204
- D. 1,200

**Q31 Find SI**

Find the simple interest (in ₹) if a sum of ₹550 is borrowed for 2.5 years at 20% per annum rate of interest.

- A. 375
- B. 255
- C. 275
- D. 325

**Q32 Half-Yearly Compounding**

A sum of ₹5,000 is invested for 1 year at 10% per annum compound interest, compounded half-yearly. Find the compound interest earned (in ₹).

- A. 512.50
- B. 575.50
- C. 505.50
- D. 530.50

**Q33 Laws of Indices**

Given that $109^{0.71} = x$, $109^{0.47} = y$ and $x^z = y^{10}$, then the value of z is close to:

- A. 6.62
- B. 6.04
- C. 5.77
- D. 9.19

**Q34 Median**

The mean and the mode of a set of data are 23.9 and 50.9, respectively. Find the median of the data, using the empirical formula.

- A. 33.8
- B. 34
- C. 32.6
- D. 32.9

**Q35 Outer Path around Field**

A rectangular playground is 20 m longer than it is wide. A walking track of uniform width 2 m is laid all around the playground. The area of the walking track is 176 m². What is the perimeter of the playground (excluding the track)?

- A. 84 m
- B. 80 m
- C. 94 m
- D. 90 m

**Q36 Percentage Increase/Decrease**

Vikram saves r% of his earnings. If his earnings increase by 22% and his expenditure increases by 16%, his savings grow by 40%. What is the value of r?

- A. 22
- B. 16
- C. 25
- D. 27

**Q37 Percentage Increase/Decrease**

The income of Raman is ₹91,700. He saves 20% of his income. If his income increases by 19% and expenditure increases by 35%, then his savings will:

- A. increase by ₹8,249
- B. decrease by ₹8,253
- C. increase by ₹8,255
- D. decrease by ₹8,252



Q38 Successive Discount

The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 14% and 87%, shop II allows successive discounts of 96% and 76%, shop III allows successive discounts of 22% and 92% and shop IV allows successive discounts of 16%, 89% and 57% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

A. II



B. I

C. III

D. IV

Q39 Upstream/Downstream

The ratio of the speed of a boat to the speed of the current of water is 36 : 5. The boat goes a certain distance downstream in 5 hours 10 minutes. How much time will it take to come back against the stream?

A. 6 hours 50 minutes



B. 6 hours 20 minutes

C. 6 hours 30 minutes

D. 5 hours 50 minutes

Q40 Weighted Average

The numbers 4, 8, and 10 are assigned weights 2, 3, and 5, respectively. Find their weighted arithmetic mean.

A. 6.5

B. 7.4

C. 8.2



D. 9.1

Q41 Calculation Based

Read the given table carefully to answer the question that follows.

Amount earned (in lacs) by five persons, A, B, C, D and E, in six different years

Person

Year	A	B	C	D	E
2005	2.24	4.33	5.64	3.73	1.69
2006	1.44	3.34	6.93	5.52	5.52
2007	4.63	2.79	7.52	5.68	4.28
2008	6.65	6.63	5.83	6.74	6.83
2009	5.34	4.5	5.94	8.42	5.53
2010	7.38	5.36	7.84	9.45	9.94

What was the respective ratio between the amount earned by Person-B in the year 2007 and Person-D in the year 2010?

A. 37:109

B. 31:105



C. 37:107

D. 32:105



Q42 Compound Angle Formulas

Find the value of $\frac{\tan 75^\circ - \tan 15^\circ}{1 + \tan 75^\circ \tan 15^\circ}$.

A. $\sqrt{3}$



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

C. $\sqrt{2}$

D. $\frac{2}{\sqrt{3}}$

Q43 Cone

A solid cone of radius R and height H is melted and recast into 8 identical solid cones, each of radius $\frac{R}{3}$. The height of each new cone is:

A. $\frac{27H}{8}$

B. $\frac{9H}{8}$



C. $\frac{H}{8}$

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

Q44 Efficiency Ratio

A can do a piece of work in 16 days. B is 60% more efficient than A. How much time will A and B together take to finish the work?

A. $3\frac{2}{7}$ days

B. $4\frac{3}{13}$ days

C. $5\frac{4}{7}$ days

D. $6\frac{2}{13}$ days



Q45 Fraction Operations

Simplify: $\frac{3}{5} + \frac{2}{3}$

A. $\frac{19}{25}$

B. $\frac{19}{15}$ ✓

C. $\frac{23}{25}$

D. $\frac{23}{15}$

Q46 Surds

In a science project, the power from two machines are being compared. Machine A's power is measured as $2 \times 8 \times \sqrt{y}$ and machine B's power is measured as $2 \times 8 \times \sqrt{y}$. If both the machines produce same power, what is the value of y ?

A. 8 ✓

B. 16

C. 2

D. 4

Q47 Time-based Partnership

A, B, and C started a business, each investing ₹10000. After 4 months, A withdraws ₹3000, B withdraws ₹4000, and C invests ₹3000 more. At the end of the one year, a total profit was ₹65600. Find the share of C at the end of the year.

A. ₹24600

B. ₹22700

C. ₹28800 ✓

D. ₹29800

Q48 Weighted Average

If the average temperature of the first 3 days of a week is 38.5°C and the average temperature of the last 4 days is 39.2°C , find the average temperature of the entire week.

A. 38.8°C

B. 38.9°C ✓

C. 38.6°C

D. 39°C



Q49 $a^2 - b^2$

If $49a^2 - b = \left(7a + \frac{1}{2}\right)\left(7a - \frac{1}{2}\right)$, then the value of b is:

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



B. 4

C. $\frac{1}{16}$

D. $-\frac{1}{4}$

Q50 $\sec^2 - \tan^2 = 1$

Simplify $\frac{(1 - \tan A)^2}{(1 - \cot A)^2} + 1$.

A. $\tan^2 A$

B. $\sec^2 A$



C. $\cot^2 A$

D. $\tan A$

General Intelligence & Reasoning

30 Questions • Answer Key

Q51 Day of Week Assignment

Each of P, Q, R, S, T, U and V has an exam on a different day of the same week, starting from Monday and ending on Sunday. P has an exam on Wednesday. Only one person has an exam between P and R. U has an exam immediately after R. Only three people have an exam between U and Q. V has an exam after S but before Q. When does T have an exam?

A. Thursday

B. Monday

C. Sunday



D. Saturday

Q53 Floor/Building Arrangement

Seven boxes I, J, K, Q, R, S and T are kept one over the other but not necessarily in the same order. Only three boxes are kept above R. Only two boxes are kept between R and T. Only S is kept above I. J is kept at some place below Q and at some place above K. How many boxes are kept between Q and T?

A. Four

B. Two

C. One

D. Three



Q52 Facing Center

Seven students, I, J, K, P, Q, R and Z, are sitting around a circular table, facing the center of the table. P sits to the immediate right of J. Only three people sit between Q and R when counted from the left of Q. Only three people sit between J and I when counted from the right of I. Z is an immediate neighbor of I as well as R. Who sits third to the left of K?

A. Q

B. Z

C. I



D. R

Q54 Group Pattern

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

LPL NRN PTP RVR ?

A. TXT



B. TUT

C. TWS

D. TYT



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Q55 Letter Analogy

OS 5 is related to PP -5 in a certain way. In the same way, FJ 9 is related to GG -1. To which of the following is LN 11 related, following the same logic?

- A. HJ 3
- B. VG 4
- C. HM 2
- D. MK 1

**Q56 Letter to Number Mapping**

In a certain code language "QEHU" is coded as "153" and "ZBKN" is coded as "159". What is the code for "SWGJ" in the given language?

- A. 169
- B. 177
- C. 171
- D. 165

**Q57 Linear Family Relations**

A is father of B. B is brother of C. C is wife of D. How is A related to D?

- A. Wife's Father
- B. Mother's Brother
- C. Wife's Mother
- D. Brother

**Q58 Missing Number**

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

33 39 46 54 63 73 ?

- A. 84
- B. 81
- C. 87
- D. 82

**Q59 Number Series**

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

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

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

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

**Q60 Operation Based**

Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, a certain mathematical operation on the second number results in the third number. Which of the given options follows the same set of operations as in the question?
(NOTE: A two/three digit number cannot be broken into individual digits for operations. E.g. if 37 is followed by 10, the operation cannot be 3+7 as a two-digit number cannot be broken into individual digits.)

19 - 266 - 38 ;
42 - 588 - 84

- A. 49 - 686 - 99
- B. 14 - 196 - 29
- C. 35 - 490 - 70
- D. 28 - 392 - 66



Q61 Operation Based

Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number result(s) in the second number. Similarly, certain mathematical operation(s) on the second number result(s) in the third number and so on. Which of the given options follows the same set of operations as in the given sets? (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

4 – 16 – 26 – 52
7 – 49 – 59 – 118

A. 17 – 38 – 48 – 88

B. 11 – 22 – 44 – 54

C. 9 – 81 – 91 – 182



D. 5 – 25 – 50 – 60

Q62 Operator Swap

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

$$1184 \div 2 + 909 \times 3 - 401 = ?$$

A. 2738

B. 2466



C. 2868

D. 2146

Q63 Operator Swap

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

$$25 - 5 + 6 \times 2 \div 4 = ?$$

A. 28



B. 32

C. 30

D. 26

Q64 Pattern Based

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: NRP :: FSW : %

A. # = LPR, % = HUT

B. # = LPR, % = HUU



C. # = LPR, % = HUV

D. # = LPR, % = HVU

Q65 Pattern Based

EBIG is related to KHOM in a certain way based on the English alphabetical order. In the same way, HELJ is related to NKRP. To which of the following is LIPN related, following the same logic?

A. ROTV

B. ROVT



C. ORVT

D. ORTV

Q66 Position Pattern

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the 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. ONR

B. SRV

C. QQT



D. VUY

Q67 Position Pattern

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. DI - AF

B. XB - UY

C. QR - MP



D. KO - HL



Q68 Position from Left/Right

In a row of 100 students facing the north, Sukhi's position is 25th from left and Abhishek's position is 34th from right. Ramesh is sitting exactly between both of them, then find the position of Ramesh with respect to Sukhi.

A. 20th

B. 21st



C. 23rd

D. 22nd

Q69 Shifting Pattern (+1, +2, etc.)

This question is based on the given words.

JAR PIT FEW NOR

In each of the words, each vowel 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 words thus formed have no vowels?

A. One



B. Three

C. Two

D. Four

Q70 Shifting Pattern (+1, +2, etc.)

Each vowel in the word ABILITY 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 be second from the left in the new group of letters thus formed?

A. A



B. K

C. B

D. S

Q71 Shifting Pattern (+1, +2, etc.)

This question is based on the given words.

SON WIL TEN JUN

In each of the words, each vowel 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. In how many letter-clusters thus formed will no vowel appear?

A. One

B. Three



C. Two

D. Four

Q72 Shifting Pattern (+1, +2, etc.)

Each vowel in the word VOYAGE 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. F



B. P

C. B

D. X

Q73 Single Row (One-way/Both-way)

Six people, L, M, N, O, P, and Q, are sitting in a straight line, facing the north.

Only one person sits between L and Q. N sits at the extreme right end. P sits third to the left of N. L sits to the immediate right of O.

Who sits to the immediate right of P?

A. Q



B. M

C. O

D. L



Q74 Symbol Based

In a certain code language,
 $A + B$ means 'A is the sister of B',
 $A - B$ means 'A is the daughter of B',
 $A \times B$ means 'A is the husband of B', and
 $A \div B$ means 'A is the mother of B'.

How is P related to T if ' $P + Q - R \times S - T$ '?

A. Daughter's daughter



B. Son

C. Son's daughter

D. Daughter

Q75 Symbol Included Pattern

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

(Left) $L = W L \& > P < T ? H \in M \div J \# V @ \& A \yen M ? Q \% P \infty$ (Right)

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

A. Two



B. One

C. Three

D. None

Q76 Symbol Included Pattern

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

(Left) $3 7 > / 5 + \& 5 \& 8 9 ^ 7 4 2 2 \setminus 3 @ 4 \$$ (Right)

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

A. One

B. Two



C. Zero

D. Three

Q77 Symbol Substitution

If 'P' stands for ' $\times$ ', 'Q' stands for ' $\div$ ', 'R' stands for ' $-$ ' and 'S' stands for ' $+$ ', what will come in place of the question mark '?' in the following equation?

$(12 Q 3) P 7 R 5 P 4 S 12 = ?$

A. 12

B. 20



C. 28

D. 34

Q78 Two Statement Sufficiency

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and select the appropriate answer.

Q. Among 5 sticks, B, U, N, M and D, each having a different height, which stick is the shortest?

(I) M is taller than only one stick. B is taller than U.

(II) M is taller than D.

A. Data in statement I alone is sufficient to answer the question while data in statement II is not.

B. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.



C. Data in statement II alone is sufficient to answer the question while data in statement I is not.

D. Both statements I and II together are NOT sufficient to answer the question.

Q79 Word to Code Mapping

In a certain code language, 'curtain for door' is coded as 'ar yb qj' and 'door is open' is coded as 'yb gt ol'. How is 'door' coded in that language? (All the codes are two-letter codes only.)

A. yb



B. ol

C. qj

D. gt

Q80 Word to Code Mapping

In a certain code language, 'shut the business' is coded as 'qt gv bx' and 'business is down' is coded as 'mj yp gv'. How is 'business' coded in that language? (All the codes are two-letter codes only.)

A. bx

B. gv



C. qt

D. yp



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Q81 Civilian Awards

In January 2026, which eminent individual from Kerala was honored with the Padma Vibhushan for their significant contributions in Public Affairs, specifically in judicial rectitude and constitutional governance?

- A. Jasti Chelameswar
- B. Kurian Joseph
- C. P. Sathasivam
- D. K. T. Thomas

**Q82 Constitutional Posts**

Which of the following leaders took oath as the Chief Minister of West Bengal in India in May 2026?

- A. Dilip Ghosh
- B. Mamata Banerjee
- C. Sukanta Majumdar
- D. Suvendu Adhikari

**Q83 Defense & Technology**

What is the name of the sixth Nilgiri-class stealth frigate delivered to the Indian Navy by Mazagon Dock Shipbuilders Limited on April 30, 2026?

- A. Mahendragiri
- B. Vindhyagiri
- C. Taragiri
- D. Nilgiri

**Q84 Environment Current Affairs**

Who organized the Prakriti 2026 conference under the patronage of the Ministry of Power and the Ministry of Environment, Forest and Climate Change?

- A. Indian Meteorological Department
- B. Bureau of Energy Efficiency
- C. NITI Aayog
- D. Central Pollution Control Board

**Q85 Global Space Missions**

In 2026, which space agency carried four astronauts around the far side of the Moon, testing systems and workflows for future missions?

- A. CNSA (China)
- B. ESA (Europe)
- C. NASA (USA)
- D. ISRO (India)

**Q86 Government Policies & Schemes**

In April 2026, the Ministry of Social Justice reported disbursing nearly Rs. 8,000 crore to over 75 lakh beneficiaries. Which community did this specific budget allocation target?

- A. The Scheduled Caste (SC) beneficiaries
- B. The Parsi community specifically
- C. The Particularly Vulnerable Tribal Groups (PVTGs)
- D. The six notified minority communities (Christians, Muslims, etc.)

**Q87 Individual Records**

At the LA Track Fest in May 2026, Habtom Samuel achieved a historic feat in collegiate athletics. What record did he break?

- A. NCAA 5000m record
- B. NCAA Long Jump record
- C. NCAA 110m hurdles record
- D. NCAA 1500m record

**Q88 International Sports Awards**

In 2026, which tennis star was named Laureus World Sportsman of the Year for his performances, which included winning the French and US Opens?

- A. Carlos Alcaraz
- B. Novak Djokovic
- C. Jannik Sinner
- D. Alexander Zverev



Q89 Key Announcements

As per the Union Budget 2025-26, how many PM Research Fellowships will be provided for technological research in IITs and IISc, with enhanced financial support over the next five years?

A. 16,000

B. 10,000

C. 14,000

D. 12,000

Q90 Military Exercises

Which command hosted the high-level Joint Operations Conclave under the All Domain Joint Operations (ADJO) Exercise 2026 framework in February 2026?

A. Western Air Command

B. Central Air Command

C. Eastern Naval Command

D. Southern Command

Q91 Missile Tests & Systems

In 2025, which DRDO-led project was identified as the India's strategic initiative for developing an indigenous extended-range surface-to-air missile system capable of multi-layer threat interception?

A. Project Kusha

B. Project SURAKSHA

C. Raksha Shakti project

D. DEFENCE-X

Q92 Missile Tests & Systems

On May 7, 2026, Defence Research and Development Organisation and the Indian Air Force successfully conducted the maiden flight-trial of ____.

A. Tactical Airborne Reconnaissance Aircraft

B. Tactical Advanced Range Augmentation

C. Tactical Aviation Response Armament

D. Target Acquisition and Radar Assistance

Q93 National Current Affairs

The Special Commonwealth Games Edition of the 75th edition of Fit India Sundays on Cycle, led by Minister of State for Youth Affairs & Sports in May 2026, was organised at which institution campus?

A. Indian Institute of Technology Guwahati

B. Indian Institute of Technology Delhi

C. National Institute of Technology Silchar

D. Indian Institute of Science Bengaluru

Q94 National Current Affairs

Which of the following organizations published the book 'Janjati Gaurav' in March 2026 to document the history and contributions of India's tribal communities?

A. Sahitya Akademi

B. National Book Trust

C. Ministry of Tribal Affairs

D. Indira Gandhi National Centre for Arts

Q95 New Apps & Portals

Which dashboard was launched by Union Home Minister Amit Shah during the inauguration of the new Cybercrime Branch of the Central Bureau of Investigation (CBI) in New Delhi in February 2026?

A. Digital Governance Monitoring Dashboard

B. Unified Women Safety Monitoring Portal

C. State Cyber Crime Coordination Centre (S4C) dashboard

D. Central Financial Fraud Analysis Dashboard

Q96 New Parks & Reserves

Which bird sanctuary in Uttar Pradesh was added to the Ramsar List in 2026 as a Wetland of International Importance?

A. Sur Sarovar Bird Sanctuary

B. Okhla Bird Sanctuary

C. Patna Bird Sanctuary

D. Nawabganj Bird Sanctuary



Q97 Policy Changes & Amendments

In May 2026, the government revised financial grants for National Sports Federations (NSFs). Under these new guidelines, what is the revised grant for hosting international tournaments?

A. ₹5 Crore

B. ₹2 Crore



C. ₹1 Crore

D. ₹90 Lakh

Q98 RBI Policy Updates

Which dates were observed as Financial Literacy Week 2026 by RBI, focusing on safe banking practices?

A. February 1 to 5, 2026

B. February 15 to 19, 2026

C. February 20 to 24, 2026

D. February 9 to 13, 2026

**Q99 Science & Technology Current Affairs**

On May 13, 2026, ISRO Telemetry, Tracking and Command Network (ISTRAC) signed a landmark MoU with SAMEER at Indian Institute of Technology Bombay. SAMEER functions under which Union Ministry?

A. Ministry of Defence

B. Ministry of Science and Technology

C. Ministry of Electronics and Information Technology



D. Ministry of Communications

Q100 World Events

Following a deadly mass shooting in Australia in December 2025, Prime Minister Anthony Albanese announced a major national gun buyback scheme. At which prominent Australian location did this occur?

A. Wieambilla, Queensland

B. Bondi Beach, Sydney



C. Port Arthur, Tasmania

D. Lindt Cafe, Sydney



General Science

25 Questions • Answer Key

Q1 Animal Kingdom (Phyla Overview)

A wildlife veterinarian observes that a certain animal can maintain a large body size and perform complex behaviors. Which structural attribute is most vital for these traits?

- A. External tentacles for movement
- B. Vertebral column for support ✓
- C. Protective rigid outer covering
- D. Simple single-celled structure

Q2 Atomic Structure & Models

Which of the following statements is CORRECT?

- A. Atomic number is equal to number of nucleons.
- B. The two isotopes of carbon have same mass number.
- C. For an element, mass number is double of atomic number.
- D. The three isotopes of hydrogen namely protium, deuterium and tritium have same number of protons. ✓

Q3 Atoms & Molecules

Which rule for writing chemical symbols is correct?

- A. Both letters capitalised
- B. First letter capital only ✓
- C. Second letter capital only
- D. Letters written in italics

Q4 Basic Organic Chemistry

Which of the following compounds contains both an amine and a carboxyl functional group?

- A. Propanone
- B. Ethanal
- C. Glycine ✓
- D. Ethanol

Q5 Basic Organic Chemistry

- A. Butan-2-al
- B. Butan-2-one ✓
- C. Butan-2-oic acid
- D. Butan-2-ol

Q6 Basic Organic Chemistry

Which of the following substances does **NOT** contain carbon in its chemical composition?

- A. Carbohydrates
- B. Water ✓
- C. DNA
- D. Proteins

Q7 Chemical Bonding (Ionic, Covalent)

Which of the following best explains why sodium chloride is solid at room temperature?

- A. It is held together by weak van der Waals forces.
- B. It forms molecules held by covalent bonds.
- C. It has metallic bonding between atoms.
- D. It has a strong electrostatic attraction between ions. ✓

Q8 Current Electricity (Ohm's Law, Circuits)

An electric kettle has a resistance of 10 ohms and is connected to a 220 V supply. For 5 minutes of operation, how much charge flows through it?

- A. 1100 C
- B. 13200 C
- C. 2200 C
- D. 6600 C ✓

Q9 Echo, Resonance, Doppler Effect

Which of the following best describes an echo in the context of sound propagation and reflection?

- A. An echo is a change in the pitch of a sound due to distance from the source.
- B. An echo is a continuous sound produced by a vibrating object.
- C. An echo is a louder sound produced when sound reflects from a wall.
- D. An echo is a reflected sound heard distinctly after the original sound. ✓



Q10 Ecosystem & Food Chain

In a food chain, the maximum concentration of non-biodegradable pollutants would be found in:

- A. Herbivores
- B. Top carnivores ✓
- C. Decomposers
- D. Producers

Q11 Ecosystem & Food Chain

In a food web, herbivores are generally:

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

Q12 Magnetic Effects of Current

A student wants to increase the magnetic field strength around a straight conductor carrying current. Which combination of changes will most effectively achieve this?

- A. Increasing the current and bringing the observation point closer to the conductor. ✓
- B. Keeping the current constant and changing the observation point to any location.
- C. Decreasing the current and moving the observation point farther from the conductor.
- D. Increasing the current while moving the observation point farther away.

Q13 Mechanics

Which observation would provide the strongest evidence that a machine is a fixed pulley?

- A. The machine stores energy while lifting.
- B. The applied force is smaller than the load.
- C. The load becomes lighter during lifting.
- D. The effort and load move in opposite directions. ✓

Q14 Mechanics

Two objects, Object P and Object Q, move along a straight road. Object P travels 20 meters every 2 seconds, while Object Q covers 20 meters in the first 2 seconds and 30 meters in the next 2 seconds. Which statement is correct about their motions?

- A. Both objects are in uniform motion.
- B. Object P is in uniform motion, while Object Q is in non-uniform motion. ✓
- C. Object P is in non-uniform motion, while Object Q is in uniform motion.
- D. Both objects are in non-uniform motion.

Q15 Minerals (Iron, Calcium, etc.)

_____ is necessary for the thyroid gland to make thyroxine hormone.

- A. Calcium
- B. Iodine ✓
- C. Vitamin D
- D. Iron

Q16 Mirrors & Lenses

Which statement best describes the image formed by a convex lens when the object is placed between the focal point and the optical center of the lens?

- A. The image is virtual, upright and larger than the object. ✓
- B. The image is virtual, inverted and smaller than the object.
- C. The image is real, upright and larger than the object.
- D. The image is real, inverted and smaller than the object.

Q17 Mixtures, Solutions, Colloids

Which of the following combinations forms a homogeneous mixture when combined in water?

- A. Salt and water ✓
- B. Sugar and sand
- C. Oil and water
- D. Iron filings and sulfur



Q18 Newton's Laws of Motion

A student pushes two carts, one heavy and one light, with the same force. According to Newton's second law, what will happen to their accelerations?

- A. The lighter cart will accelerate more than the heavier cart** ✓
- B. Both carts will accelerate equally
- C. The heavier cart will accelerate more than the lighter cart
- D. The heavier cart will move with zero acceleration

Q19 Oxidation & Reduction (Redox)

What chemical change best indicates oxidation of a substance during a chemical reaction?

- A. Change in physical state
- B. Loss of electrons only
- C. Gain of hydrogen only
- D. Gain of oxygen or loss of hydrogen** ✓

Q20 Properties & Tests

A laboratory investigation shows that magnesium reacts with bases to release a gas. Which is the most likely identity of the gas produced?

- A. Hydrogen** ✓
- B. Carbon dioxide
- C. Oxygen
- D. Chlorine

Q21 Reproductive System

While males produce millions of sperm, females usually produce only _____ mature egg(s) every month in humans.

- A. Zero
- B. Thousands
- C. One** ✓
- D. A few hundred

Q22 Reproductive System

A 13-year-old girl starts menstruating but has irregular cycles for the first year. Which underlying factor most likely contributes to this pattern according to reproductive maturity?

- A. Constant egg release
- B. Immature hormonal regulation** ✓
- C. Fully matured ovaries
- D. Fully developed uterus

Q23 Respiratory System

Which of the following does **NOT** occur during inhalation in human beings?

- A. Air enters the lungs
- B. The diaphragm flattens downward
- C. Blood releases oxygen** ✓
- D. The chest cavity expands

Q24 Wave Properties (Frequency, Wavelength)

A certain sound wave has a frequency of 400 Hz. What is the time period for this wave?

- A. 0.05 seconds
- B. 0.0025 seconds** ✓
- C. 0.25 seconds
- D. 0.025 seconds

Q25 Work, Energy & Power

Which of the following situations correctly illustrates the scientific definition of work in physics?

- A. A person lifts a box from the floor onto a table** ✓
- B. A person holds a book stationary above their head
- C. A person walks with a backpack at constant speed
- D. A person pushes against a wall but the wall does not move



Q26 Annual Compounding

What will be the compound interest on a sum of ₹7,625 after 3 years at the rate of 20% per annum, interest being compounded annually?

A. ₹5,551



B. ₹5,571

C. ₹5,561

D. ₹5,581

Q27 Annual Compounding

Saurav deposited a certain sum of money at the rate of 20% per annum, compounded annually. At the end of 2 years, the total amount received was ₹70,164. What was the sum of money deposited by Saurav?

A. ₹48,606

B. ₹48,931

C. ₹48,407

D. ₹48,725

**Q28 Area/Volume Error**

If the height of a triangle is increased by 40% and its base is decreased by 25%, what will be the effect on its area?

A. Decreases by 5%

B. Increases by 5%



C. Increases by 2%

D. Decreases by 2%

Q29 Average Speed

A car travels a total distance of 180 km, divided equally into three parts of 60 km each. On the first part, it moves at a speed of 60 km/h; on the second, it slows down to 40 km/h. On the third part, its speed increases again so that the overall average speed for the entire journey becomes 54 km/h. Find the speed of the car on the third part.

A. 75 km/h

B. 78 km/h

C. 90 km/h

D. 72 km/h

**Q30 Basic Ratio**

A recipe requires flour and sugar in the ratio 3 : 2. If a baker uses 600 grams of flour, how much quantity (in grams) of sugar is needed?

A. 450

B. 500

C. 400



D. 360

Q31 Basic Ratio

Three numbers are in the ratio 2:3:4. If the sum of their cubes is 2673, then the largest number is:

A. 15

B. 9

C. 12



D. 6

Q32 Basic TSD

Kaushal travelled for 22 hours 3 minutes at the speed of 20 km/h. At what speed (in km/h) should he travel to cover the same distance in 21 hours?

A. 19

B. 20

C. 21



D. 18

Q33 Basic TSD

A car travels 240 km in 4 hours. How far will it travel in 7 hours at the same speed?

A. 360 km

B. 400 km

C. 480 km

D. 420 km

**Q34 Combined Work Rate**

Working alone, X takes 12 days, Y takes 15 days, and Z takes 20 days to complete a task. How many days will be required to complete the task if they work together?

A. 6 days

B. 4 days

C. 8 days

D. 5 days



Q35 Find SI

Find the simple interest (in ₹) if a sum of ₹550 is borrowed for 3.5 years at 4% per annum rate of interest.

A. 77



B. 177

C. 127

D. 57

Q36 Finding LCM

The ratio of two numbers is 21:5 and their HCF is 50. What will be their LCM?

A. 5260

B. 5220

C. 5240

D. 5250

**Q37 Finding Ratio**

In what ratio should coffee costing ₹3800/kg be mixed with coffee costing ₹2750/kg so that the cost of the mixture is ₹3050/kg?

A. 3:7

B. 2:3

C. 2:5



D. 3:5

Q38 Finding Value from Percentage

In an election between two candidates, one candidate received 28% of the total votes but lost the election by a margin of 649 votes. If all the votes cast were valid, find the total number of votes cast.

A. 1495

B. 1465

C. 1485

D. 1475

**Q39 Laws of Indices**

Given that $122^{0.86} = x$, $122^{0.22} = y$ and $x^z = y^7$, then the value of z is close to:

A. 1.79



B. 2.11

C. 4.46

D. 0.56

Q40 Mode

In a dataset, the mean is 65 and the median is 70. Find the mode of the data.

A. 80



B. 60

C. 55

D. 75

Q41 Percentage Increase/Decrease

The income of Raman is ₹43,500. He saves 17% of his income. If his income increases by 18% and expenditure increases by 20%, then his savings will:

A. increase by ₹606

B. decrease by ₹604

C. increase by ₹609



D. decrease by ₹608

Q42 Profit/Loss Percentage

A manufacturer fixes his selling price at 70% above the cost of production. If the cost of production increases by 10% and the manufacturer increases his selling price by 10%, what is the new profit percentage?

A. 73%

B. 72%

C. 71%

D. 70%

**Q43 Successive Discount**

The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 18% and 51%, shop II allows successive discounts of 59% and 89%, shop III allows successive discounts of 57% and 40% and shop IV allows successive discounts of 68%, 69% and 27% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

A. III

B. I

C. IV

D. II



Q44 Two Persons Age Relation

In 8 years, Dhruv will be twice as old as Divya. Four years ago, he was four times as old as Divya. Find the present age of Dhruv.

A. 26 years

B. 20 years

C. 28 years



D. 30 years

Q45 Volume

A rectangular water tank measuring 80 cm × 60 cm × 50 cm contains water up to a height of 30 cm. A solid metal cube of edge 20 cm and a solid metal cuboid of dimensions 26 cm × 13 cm × 10 cm are dropped into the tank. Find the rise in the water level (rounded off to two decimal places).

A. 2.67 cm

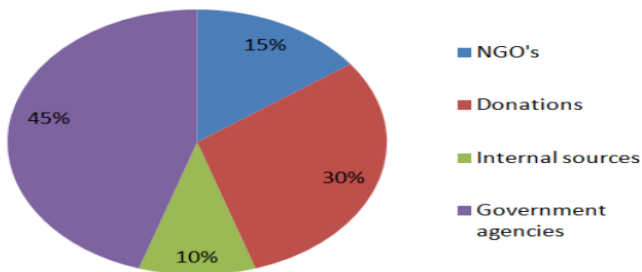
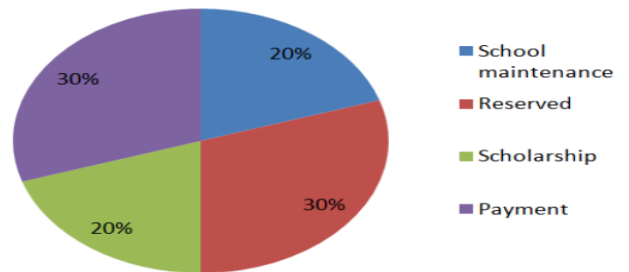
B. 2.17 cm

C. 2.97 cm

D. 2.37 cm

**Q46 Double Pie Chart**

Study the following pie charts carefully and answer the question given below it.
The entire fund that school gets from different sources is equal to ₹640 lakh.

Sources of funds in school**Uses of funds by school**

If the school managed school maintenance from the government agencies fund only, how much fund from government agencies would still be left for other uses?

A. ₹180 lakh

B. ₹140 lakh

C. ₹160 lakh



D. ₹120 lakh

Q47 Mean of Grouped Data

If the mean of the following data is 45, then what is the value of x?

Class	20-30	30-40	40-50	50-60	60-70
Frequency	34	35	42	21	x

A. 27

B. 46

C. 42

D. 41



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Q48 Pythagorean Identities

Simplify: $2 + \frac{\sin A}{\cot A - \operatorname{cosec} A} - \frac{\sin^2 A}{\cos A + 1}$

A. $\sec^2 A$ B. $\tan A$ C. ∞

D. 0

**Q49** Regular Polygons

The difference between the measures of an interior angle and an exterior angle of a regular polygon is n and the ratio of the interior angle to the exterior angle is $p : r$, then $n + p + r$ is:

A. multiple of 6

B. multiple of 9

C. multiple of 7

D. multiple of 5

**Q50** Standard Angle Values

The value of $3(\sec^2 \theta + \operatorname{cosec}^2 \theta) - 10(\cot^2 \theta \times \cos^2 \theta)$, when $\theta = 45^\circ$, is:

A. -7

B. 10

C. 13

D. 7

**General Intelligence & Reasoning**

30 Questions • Answer Key

Q51 Floor/Building Arrangement

Eight boxes, M, N, O, P, Q, R, S and T, are kept one over the other, but not necessarily in the same order.

Only three boxes are kept between N and R. Only two boxes are kept between R and M. Only two boxes are kept between O and T. T is kept at lowermost position. S is kept immediately above Q. Only P is kept exactly between R and O. T is kept immediately below R.

How many boxes are kept exactly between T and M?

A. Three



B. Four

C. One

D. Two

Q52 Floor/Building Arrangement

G, H, J, K, L, and P live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2, and so on till the topmost floor is numbered 6. Only two people live between H and K. Only P lives above G. J lives on an even-numbered floor. H lives on the lowermost floor. How many people live between L and P?

A. Two



B. Four

C. One

D. Three



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Q53 Group Pattern

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

DCF HGJ LKN POR ?

A. TUW

B. TRU

C. TTU

D. TSV

**Q54 Letter Series**

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

(Left) C G I D Q R O A J Y C E C P B Q I F O O J C (Right)

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

A. 2

B. 0

C. 3

D. 1

**Q55 Letter Series**

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

(Left) P A O R T L Z O Q W E U M H B D E X D E S A (Right)

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

A. 4



B. 5

C. 6

D. 3

Q56 Letters Between Two Positions

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

A. 7



B. 10

C. 6

D. 8

Q57 Letters in a Given Word

This question is based on the given words.

FIRE BOND GULP CROW

In each of the words, each consonant is changed to the letter immediately preceding it in the English alphabetical order and each vowel is kept unchanged. How many words thus formed have more than one vowel?

A. Two

B. One

C. Three



D. Four

Q58 Letters in a Given Word

This question is based on the given words.

TSO MUD FAN KID

In each of the words, each vowel 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. In how many letter-clusters thus formed will no vowel appear?

A. Four

B. Three



C. Two

D. One

Q59 Missing Number

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

66 59 53 48 44 41 ?

A. 37

B. 38

C. 39



D. 40



Q60 Operation Based

23 is related to 258 following a certain logic. Following the same logic, 31 is related to 346. To which of the following is 46 related, following the same logic?

(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 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.)

A. 526

B. 565

C. 539

D. 511

**Q61 Operation Based**

3 is related to 12 in a certain way. Following the same way, 12 is related to 48. To which of the following is 16 related, following the same logic?

(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.)

A. 63

B. 65

C. 62

D. 64

**Q62 Operator Swap**

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?

$$213 \text{ D } 48 \text{ C } 5 \text{ B } 54 \text{ A } 9 = ?$$

A. 195



B. 198

C. 194

D. 193

Q63 Operator Swap

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

$$73 - 13 \div 8 + 123 \times 3 = ?$$

A. 136



B. 135

C. 133

D. 139

Q64 Operator Swap

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

$$238 \div 65 \times 455 - 265 + 139 = ?$$

A. 126

B. 160



C. 106

D. 261

Q65 Pattern Based

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

DOG : GRJ

BST : EVW

A. CIG : FKJ

B. EHL : IFP

C. TEL : VHP

D. KAL : NDO

**Q66 Pattern Based**

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: NOA :: RUZ : %

A. # = PMC, % = PWU

B. # = PMC, % = PWY

C. # = PMC, % = PYX

D. # = PMC, % = PWX



Q67 Pattern Based

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

MNO : LPL

IPH : HRE

- A. RRL : QTH
- B. NVS : MWP
- C. OKL : NMH
- D. HGR : GIO

**Q68 Position Pattern**

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. UY-CI
- B. JN-RX
- C. VZ-DJ
- D. CG-VO

**Q69 Position Pattern**

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. ZDB
- B. NSP
- C. BFD
- D. YCA

**Q70 Position from Left/Right**

20 people are sitting in a row facing north. Tarun is 5th from the right end of the row. If Aman sits 10th to the left of Tarun, what is Aman's position from the right end of the row?

- A. 16th
- B. 15th
- C. 13th
- D. 14th

**Q71 Rearrangement of Letters**

Each letter in the word ENCRYPT is changed to the letter immediately preceding 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. X
- B. B
- C. O
- D. Q

**Q72 Shortest Distance**

Shankar started walking from Point A. He walked towards south for 5 km. He took a right turn and walked for 7 km. There he took a left turn and walked for 2 km. Again, he took a left turn and walked for 9 km. At last, he took a left turn and walked for 7 km. How far (shortest distance) and towards which direction should he walk in order to reach Point A again?

- A. 7 km towards west
- B. 2 km towards west
- C. 7 km towards east
- D. 2 km towards east

**Q73 Shortest Distance**

Junaid starts from Point A and drives 17 km towards north. He then takes a right turn, drives 16 km, turns right and drives 22 km. He then takes a right turn and drives 19 km. He takes a final right turn, drives 5 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified.)

- A. 3 km towards east
- B. 2 km towards east
- C. 4 km towards east
- D. 1 km towards east

**Q74 Shortest Distance**

Purshottam starts from Point A and drives 13 km towards the north. He then takes a left turn, drives 8 km, turns left and drives 21 km. He then takes a left turn and drives 13 km. He takes a final left turn, drives 8 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

- A. 5 km to the west
- B. 6 km to the east
- C. 5 km to the east
- D. 6 km to the west



Q75 Single Row (One-way/Both-way)

A, B, C, D, E, F and G are sitting in a straight line facing the north.

No one sits to the right of G. Only three people sit between G and F. Only two people sit between F and B. C sits third to the left of D. E sits to the immediate right of D.

How many people sit to the right of F?

A. 2

B. 3

C. 1

D. 4

**Q76 Single Row (One-way/Both-way)**

Six people, C, D, E, O, P and Q, are sitting in a row, facing north.

Only three people sit to the left of E. Only C sits to the right of D. Only two people sit between D and P. Q sits at some place to the right of O.

How many people sit between O and Q?

A. Two

B. Three

C. None

D. One

**Q77 Symbol Based**

In a certain code language,

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

A - B means 'A is the wife of B',

A × B means 'A is the son of B',

and A ÷ B means 'A is the husband of B'.

How is P related to T if 'P + Q - R × S ÷ T'?

A. Sister

B. Son's daughter



C. Daughter

D. Daughter's daughter

Q78 Symbol Based

In a certain code language,

A @ B means 'A is the mother of B'

A # B means 'A is the brother of B'

A \$ B means 'A is the wife of B'

A % B means 'A is the father of B'.

How is Kartik related to Naira if 'Kartik # Manish % Uday @ Chanchal \$ Naira'?

A. Wife's mother's father's father

B. Wife's mother's father's brother



C. Wife's mother's mother's father

D. Wife's mother's mother's brother

Q79 Symbol Included Pattern

Refer to the following letter, number and symbol series and answer the question that follows. All numbers are single-digit numbers.

(Left) T Y & 3 4 @ 5 F # G % H 7 9 V B 6 N 4 * (Right)

If all the numbers are dropped from the series, which of the following will be fifth from the right?

A. H



B. V

C. #

D. &

Q80 Two Statement Syllogism

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

Statements:

All wallets are jugs.

Some wallets are mats.

Conclusions:

(I) Some jugs are mats.

(II) All mats are wallets.

A. Only conclusion (II) follows

B. Only conclusion (I) follows



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

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



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Q81 Civilian Awards

In early 2026, which legendary actor from Maharashtra was posthumously recognized for his significant contributions to Indian commercial and parallel cinema by receiving the Padma Vibhushan in Art?

- A. Shri Amol Palekar
- B. Shri Dharmendra Singh Deol ✓
- C. Shri Dilip Prabhavalkar
- D. Shri Nana Patekar

Q82 Civilian Awards

Which of the following cricketers from Maharashtra received the Padma Shri in 2026?

- A. Sachin Tendulkar
- B. Hardik Pandya
- C. Shikhar Dhawan
- D. Rohit Sharma ✓

Q83 Digital India Updates

In 2026, NITI Aayog launched the strategic framework "DPI@2047 for Viksit Bharat". What does "DPI" stand for?

- A. Dynamic Policy Integration
- B. Digital Policy Initiative
- C. Development Planning Index
- D. Digital Public Infrastructure ✓

Q84 HDI, GHI, etc.

Which organisation released the "Women, Business and the Law 2026" report, highlighting the global gap between gender equality laws and their implementation?

- A. United Nations Development Programme
- B. World Bank Group ✓
- C. World Economic Forum
- D. International Monetary Fund

Q85 HDI, GHI, etc.

For a lower-middle-income country like India, which figure in 2023 best reflects the average proportion of the population covered by at least one social protection benefit, according to the report?

- A. 32.4%
- B. 85.9%
- C. 71.2% ✓
- D. 9.7%

Q86 Individual Records

In May 2026, the Indian para-athlete Sumit Antil broke his own World Record in the Men's Javelin F64 category. What was the distance of his record-breaking throw?

- A. 73.29 meters
- B. 74.82 meters ✓
- C. 70.50 meters
- D. 80.02 meters

Q87 International Awards

Which country was represented by Dr. Irero Tanshi, who was announced as a recipient of the 2026 Goldman Environmental Prize for protecting the endangered short-tailed roundleaf bat and its habitat in the Afi Mountain Wildlife Sanctuary?

- A. Colombia
- B. South Korea
- C. Brazil
- D. Nigeria ✓

Q88 International Sports Awards

Who won the Laureus World Comeback of the Year Award at the 2026 Laureus World Sports Awards, after completing golf's Career Grand Slam with a Masters victory — 11 years after his last Major win?

- A. Tiger Woods
- B. Justin Rose
- C. Rory McIlroy ✓
- D. Jon Rahm



Q89 Missile Tests & Systems

What was the name of the weapon whose maiden flight-trial had been successfully conducted by DRDO and the Indian Air Force off the coast of Odisha in May 2026?

- A. Indigenous Air Strike Augmentation System
- B. Precision Range Extension Weapon
- C. Tactical Advanced Range Augmentation ✓
- D. Advanced Tactical Glide System

Q90 National Current Affairs

India's flagship global textile event 'Bharat Tex 2026' will be held in:

- A. Bengaluru
- B. New Delhi ✓
- C. Mumbai
- D. Ahmedabad

Q91 National Current Affairs

The Indian Pharmacopoeia Commission (IPC) signed three MoUs in November 2025 with Nagaland Medical Council, Nagaland State Drugs Control Administration (NSDCA), and Nagaland State Pharmacy Council primarily to strengthen which of the following areas in the state?

- A. Implementation of tele-medicine services
- B. Promotion of pharmacovigilance and materiovigilance activities ✓
- C. Establishment of new medical colleges
- D. Expansion of health insurance coverage

Q92 National Current Affairs

In which state had Oil India Limited unlocked a new gas-bearing pay zone in the Dandewala Field from the Sanu Formation in 2026?

- A. Assam
- B. Odisha
- C. Rajasthan ✓
- D. Gujarat

Q93 New Apps & Portals

What was the name of the app launched by Union Minister Kiren Rijiju under the PMJVK Scheme during the National Chintan Shivir held at Nalanda University, Rajgir, Bihar, in February 2026?

- A. UMEED App
- B. NIGRANI App ✓
- C. SAMVAD App
- D. PRAGATI App

Q94 New Apps & Portals

Which indigenous technology had been launched by the Union Minister of Communications on 02 May 2026 to strengthen India's emergency communication systems and enhance public safety infrastructure under the guidance of the Ministry of Home Affairs?

- A. Satellite Tracking Network
- B. Global Positioning System
- C. National Emergency Radio Grid
- D. Cell Broadcast System ✓

Q95 New Schemes & Programs

Which organisation had released the operational guidelines for implementation of the BHAVYA Scheme aimed at developing investment-ready industrial parks across India in May 2026?

- A. Department for Industrial Infrastructure and Investment Promotion
- B. Department for Promotion of Industry and Internal Trade ✓
- C. Department for Manufacturing and Industrial Enterprise Development
- D. Department for Development of Industrial Trade and Commerce

Q96 Policy Changes & Amendments

Which state government introduced cyber safety protocols specifically for school children in March 2026?

- A. Kerala ✓
- B. Tamil Nadu
- C. Karnataka
- D. Maharashtra



Q97 Rate Changes

What was the key outcome of the RBI's Monetary Policy Committee meeting in October 2025?

- A. A decision to keep the repo rate unchanged at 5.50%. ☒
- B. An increase in the repo rate to 6.5% to curb inflation.
- C. The introduction of a 25 basis points Cash Reserve Ratio (CRR) hike.
- D. A reduction in the repo rate to 5.25% to boost credit flow.

Q98 Recent ISRO Missions

The EOS-N1 satellite, carried by the PSLV-C62 mission in January 2026, was developed by which organisation?

- A. National Aerospace Laboratories
- B. Defence Research and Development Organisation ☒
- C. Bharat Electronics Limited
- D. Indian Space Research Organisation

Q99 Recent Tournaments

The Khelo India Tribal Games were held from 25 March to 3 April 2026 in which state?

- A. Odisha
- B. Madhya Pradesh
- C. Chhattisgarh ☒
- D. Jharkhand

Q100 Supreme Court

According to the Supreme Court ruling in 2026, Scheduled Caste status had been restricted to followers of which religions under the Constitution (Scheduled Castes) Order, 1950?

- A. Hinduism, Christianity and Buddhism
- B. Hinduism, Jainism and Christianity
- C. Hinduism, Sikhism and Buddhism ☒
- D. Sikhism, Islam and Buddhism



General Science

25 Questions • Answer Key

Q1 Atomic Structure & Models

Which of the following statements are correct according to Bohr's model of the atom?

1. Electrons revolve around the nucleus in fixed circular paths called energy levels or shells.
2. The energy of electrons changes continuously while revolving in a particular orbit.
3. Energy is absorbed or emitted only when an electron jumps from one energy level to another.

A. Only 1 and 2 are correct

B. Only 1 and 3 are correct

C. All statements are correct

D. Only 2 and 3 are correct

Q2 Atomic Structure & Models

Where are protons located within an atom?

A. In the atomic shell

B. In the nucleus of an atom

C. Outside the atom

D. In the electron cloud

Q3 Basic Organic Chemistry

Which of the following statements best describes a saturated carbon compound?

A. A saturated carbon compound contains at least one triple bond between carbon atoms.

B. A saturated carbon compound contains a benzene ring in its structure.

C. A saturated carbon compound contains at least one double bond between carbon atoms.

D. A saturated carbon compound contains only single bonds between carbon atoms.

Q4 Basic Organic Chemistry

A student heats ethanol with alkaline potassium permanganate. Which observation confirms that the oxidation process occurred?

A. evolution of a gas with a burning smell

B. formation of a sweet-smelling ester

C. no change in color or smell

D. purple color of KMnO_4 fades and a sharp-smelling liquid forms

Q5 Chemical Reactions

Which of the following is a chemical change and NOT a physical change?

A. Melting of ice

B. Boiling of water

C. Rusting of iron

D. Dissolving sugar in water

Q6 Classification of Organisms

A scientist groups forest animals first by their feeding habits and then by habitat. Which is the main advantage of this multi-criteria classification approach?

A. It reveals functional relationships

B. It reduces the number of groups

C. It focuses on genetic similarity

D. It simplifies taxonomy

Q7 Current Electricity (Ohm's Law, Circuits)

What will happen to the resistance of a wire if both the current and voltage are increased by the same factor?

A. The resistance will increase.

B. The resistance will remain unchanged.

C. The resistance will decrease.

D. The resistance will depend on the factor increase.

Q8 Echo, Resonance, Doppler Effect

A student shouts facing a tall building 176 meters away and hears the echo after 1 second. What is the speed of sound in air based on this observation?

A. 330 m/s

B. 400 m/s

C. 352 m/s

D. 176 m/s



Q9 Extraction & Metallurgy

Read the given statements of Assertion (A) and Reason (R) carefully and select the correct option.

(A): Copper can be obtained from copper oxide by heating it with carbon.

(R): Copper is low in the activity series and can be reduced by simple heating.

- A. Both A and R are true, and R is the correct explanation of A.
- B. A is false, but R is true.
- C. Both A and R are true, but R is not the correct explanation of A.
- D. A is true, but R is false. ✓

Q10 Important Salts & Their Uses

Sodium carbonate (washing soda) is used in which of the following industries?

- a. glass
- b. soap
- c. paper

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

Q11 Magnetic Effects of Current

Why can a solenoid be used to magnetise a piece of soft iron placed inside it?

- A. Because the solenoid creates a weak and scattered magnetic field inside it
- B. Because the solenoid produces a strong and uniform magnetic field inside it ✓
- C. Because the solenoid produces a non-uniform field only outside it
- D. Because the solenoid blocks magnetic fields from entering soft iron

Q12 Mechanics

Which of the following situations shows an object with zero linear velocity on a position-time graph?

- A. A horizontal straight line parallel to the time axis. ✓
- B. A downward-sloping straight line from the origin.
- C. A curved line rising from left to right.
- D. An upward-sloping straight line from the origin.

Q13 Mechanics

A worker is choosing among four levers to lift a heavy concrete block. To reduce the effort required as much as possible, which lever should the worker select?

- A. Effort arm = 40 cm, Load arm = 10 cm ✓
- B. Effort arm = 30 cm, Load arm = 15 cm
- C. Effort arm = 20 cm, Load arm = 20 cm
- D. Effort arm = 50 cm, Load arm = 25 cm

Q14 Nervous System & Brain

Which statement correctly compares information conduction in plants and animals?

- A. Both use same tissue
- B. Plants use nerves
- C. Animals lack conduction
- D. Plants lack specialized tissue ✓

Q15 Newton's Laws of Motion

What property of an object does the first law of motion primarily describe?

- A. Momentum
- B. Acceleration
- C. Energy
- D. Inertia ✓

Q16 Non-communicable (Diabetes, Cancer, etc.)

A patient who frequently chews tobacco products develops difficulty in swallowing and persistent mouth sores. Which health condition is most likely indicated?

- A. Hepatitis
- B. Oral cancer ✓
- C. Diabetes
- D. Asthma

Q17 Oxidation & Reduction (Redox)

What chemical process mainly causes unpleasant smell and taste in oily food items?

- A. Oxidation of fats and oils ✓
- B. Evaporation of water
- C. Action of enzymes
- D. Fermentation of sugars



Q18 Plant Hormones

Which factor does **NOT** contribute to immediate plant movement after a stimulus?

- A. Water flow
- B. Signal transfer
- C. Shape change
- D. Muscle contraction ✓

Q19 Plant Kingdom (Divisions)

A new land plant has vascular tissues but no flowers or seeds. Which group does it belong to, and which significant challenge does this group face?

- A. Pteridophyta; absence of seeds limits reproductive success ✓
- B. Bryophyta; lack of vascular tissues for transport
- C. Gymnosperm; reliance on water for fertilisation
- D. Angiosperm; seeds exposed to environment

Q20 Plant Tissues & Transport

A botanist is designing a water-efficient vertical garden for a city building. Which simple permanent tissue should be mainly used to provide both support and flexibility to withstand wind?

- A. Collenchyma ✓
- B. Epidermal tissue
- C. Sclerenchyma
- D. Parenchyma

Q21 Reflection & Refraction

Why do the seven colors of sunlight emerge separately after passing through a prism?

- A. Prism shape blocks some colors
- B. Colors are absorbed at different rates
- C. All colors move at the same speed in glass
- D. Different colors travel at different speeds in glass ✓

Q22 Reproductive System

A couple is considering permanent surgical contraception to avoid future pregnancies. Which of these is a limitation of this approach in the context of sexually transmitted diseases?

- A. Does not prevent infections ✓
- B. Increases hormonal side effects
- C. Causes uterine irritation
- D. Is reversible by oral pills

Q23 Respiratory System

During aerobic respiration in animals, the breakdown of a three-carbon pyruvate molecule produces carbon dioxide and _____.

- A. Glucose
- B. Ethanol
- C. Lactic acid
- D. Water ✓

Q24 Wave Properties (Frequency, Wavelength)

Which of the following statements best describes how the speed of sound changes as it moves from air into water?

- A. The speed of sound is slower in water than in air.
- B. The speed of sound decreases when moving from air to water.
- C. The speed of sound remains the same in both air and water.
- D. The speed of sound increases when moving from air to water. ✓

Q25 Work, Energy & Power

Which statement best describes the law of conservation of energy?

- A. Energy can be destroyed but not created.
- B. Energy cannot be created or destroyed; it only changes form. ✓
- C. Energy always increases in a closed system.
- D. Energy is used up during physical processes and disappears.



Q26 Annual Compounding

Calculate the compound interest earned on ₹2,500 for 2 years at 6% per annum, compounded annually.

A. ₹300

B. ₹309 

C. ₹306

D. ₹312

Q27 Basic Ratio

The ratio of two numbers is 3 : 5. If the first number is 24, what is the second number?

A. 36

B. 42

C. 38

D. 40 **Q28 Basic TSD**

Kaushal travelled for 1 hour 40 minutes at the speed of 114 km/h. At what speed (in km/h) should he travel to cover the same distance in 5 hours?

A. 41

B. 35

C. 38 

D. 40

Q29 Calculation Based

The following table shows the number of laptops sold by a company in different cities along with the price per laptop.

City	Laptops Sold	Price per Laptop (₹)
Delhi	120	45,000
Mumbai	150	48,000
Chennai	100	42,000
Kolkata	130	46,000

Find the total revenue (in ₹) generated from laptop sales in Chennai and Kolkata.

A. 1,01,80,000 

B. 1,04,80,000

C. 1,02,80,000

D. 1,03,80,000

Q30 Cost with Overhead Expenses

Arvind bought an article for ₹x. He sold it to Biru at a loss of 20%. Biru spent ₹140 on its transportation and sold it to Minu at a profit of 46%. If Minu bought it for ₹1,752, then what is the value of x?

A. 1,357

B. 1,344

C. 1,356

D. 1,325 **Q31 Find SI**

Find the simple interest (in ₹) if a sum of ₹550 is borrowed for 3.5 years at 16% per annum rate of interest.

A. 308 

B. 408

C. 288

D. 358

Q32 Finding HCF

If the side (in cm) of a regular pentagon is equal to the HCF of 18 and 27, then what is the perimeter (in cm) of the pentagon?

A. 45 

B. 27

C. 36

D. 54

Q33 Finding HCF

Which of the following pairs of numbers is co-prime with each other?

A. 24 and 51

B. 63 and 91

C. 96 and 111

D. 101 and 77 **Q34 Finding Value from Percentage**

In an election between two candidates, the candidate who got 59% of valid votes won by a majority of 450 votes. Find the total valid votes.

A. 2456

B. 2500 

C. 2540

D. 2350



Q35 Half-Yearly Compounding

A sum of money earns interest at a rate of 20% per annum, compounded half-yearly. An amount of ₹4,000 is invested on 1 January and another of ₹5,500 is invested on 1 July of the same year. Find the total interest earned at the end of the year.

A. ₹1,390



B. ₹1,240

C. ₹1,280

D. ₹1,350

Q36 Laws of Indices

Given that $27^{0.48} = x$, $27^{0.86} = y$ and $x^z = y^{10}$, then the value of z is close to:

A. 20.86

B. 17.92



C. 18.65

D. 17.02

Q37 Leaving Midway

A can do the work in 6 days, B in 8 days and C in 24 days. If all three work together and C leaves after 3 days, in how many total days will the work be completed?

A. 2.5 days

B. 3 days



C. 2 days

D. 1.5 days

Q38 Mean

The mean of a dataset is 6 more than its mode. If the median is 24, then find the mean.

A. 24

B. 30

C. 26



D. 28

Q39 Melting & Recasting

A solid metallic right circular cone with a radius of 7 cm and a height of 28 cm is melted and recast into the shape of a sphere. Find the radius of the sphere formed.

A. 8 cm

B. 6 cm

C. 9 cm

D. 7 cm

**Q40 Percentage Increase/Decrease**

The income of Raman is ₹68,500. He saves 22.5% of his income. If his income increases by 14% and expenditure increases by 40%, then his savings will:

A. decrease by ₹11,647

B. increase by ₹11,647

C. increase by ₹11,642

D. decrease by ₹11,645

**Q41 Successive Discount**

The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 28% and 93%, shop II allows successive discounts of 41% and 13%, shop III allows successive discounts of 19% and 67% and shop IV allows successive discounts of 31%, 59% and 25% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

A. II

B. I



C. IV

D. III

Q42 Time-based Partnership

X and Y start a partnership with investments of Rs. 70,000 and Rs 50,000, respectively. After 6 months, Y invests an additional Rs 20,000. If the total profit after a year is 58,500, what is Y's share?

A. Rs 24,000

B. Rs 29,000

C. Rs 25,000

D. Rs 27,000

**Q43 Weighted Average**

The average marks of 20 students is 60, and that of another 30 students is 80. What is the combined average marks obtained per student?

A. 68

B. 70

C. 72



D. 74



Q44 Compound Angle Formulas

Find the value of $\frac{\sqrt{1 + \sin 4\theta}}{\sqrt{1 - \sin 4\theta}}$.

- A. $\sec 4\theta - \tan 4\theta$
- B. $\tan 4\theta + \cot 4\theta$
- C. $-\sec 4\theta + \tan 4\theta$
- D. $\sec 4\theta + \tan 4\theta$ ✓

Q45 Laws of Indices

Simplify: $2^3 \times 2^2 \div 2^4$

- A. 8
- B. 1
- C. 4
- D. 2 ✓

Q46 Mean of Grouped Data

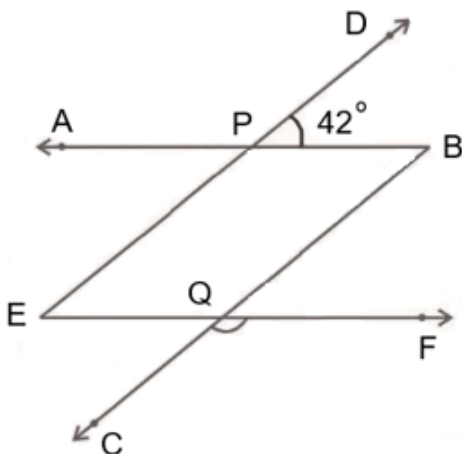
What is the value of $(4x + 9y)$, if mean of the following distribution is 50?

Class	0-20	20-40	40-60	60-80	80-100	Total
Frequency	5	17	x	7	y	41

- A. 108
- B. 98 ✓
- C. 103
- D. 87

Q47 Parallel Lines & Transversal

In the given figure, $AB \parallel EF$, $ED \parallel CB$ and $\angle BPD$ is 42° . What is the measure of $\angle CQF$?



- A. 38°
- B. 138° ✓
- C. 42°
- D. 142°



Q48 Pythagorean Identities

If $\frac{\sec\theta + \tan\theta}{\sec\theta - \tan\theta} = 5\frac{3}{13}$, then the value of $\sin\theta$ is:

A. $\frac{29}{81}$

B. $\frac{45}{81}$

C. $\frac{55}{81}$ ✓

D. $\frac{23}{81}$

Q49 Upstream/Downstream

A man can row at 8.5 km/h in still water. He finds it takes twice as long to row upstream as downstream for the same distance. Find the speed of the current.

A. $2\frac{5}{6}$ km/hr ✓

B. $3\frac{5}{7}$ km/hr

C. $1\frac{7}{8}$ km/hr

D. $4\frac{3}{4}$ km/hr

Q50 $a^3 + b^3$, $a^3 - b^3$

If $x + y = 5$ and $\frac{1}{x} + \frac{1}{y} = \frac{20}{9}$, then the value of $x^3 + y^3$ is:

A. $\frac{367}{7}$

B. $\frac{356}{7}$

C. $\frac{365}{4}$ ✓

D. $\frac{365}{3}$



Q51 Analogy

NZ 15 is related to PY 4 in a certain way. In the same way, EL 8 is related to GK -3. To which of the following is OQ 18 related, following the same logic?

A. PU 8

B. GR 6

C. QP 7



D. GT 4

Q52 Analogy

JJ 8 is related to LF -1 in a certain way. In the same way, UP 5 is related to WL -4. To which of the following is QQ 12 related, following the same logic?

A. WR 1

B. FR 2

C. SM 3



D. HJ 4

Q53 Basic Direction

Town L is to the west of Town P. Town N is to the north of Town P. Town S is to the west of Town N. Town M is to the south of Town S. Town L is to the north-west of Town M. What is the position of Town S with respect to Town L?

A. North-east



B. North-west

C. South-east

D. South-west

Q54 Facing Center

A, B, C, D, E, F and G are sitting around a circular table, facing the centre.

Only two people are seated between F and C when counted from the left of C. D is seated third to the left of E. B is seated to the immediate right of E. B is seated second to the left of F. G is an immediate neighbour of D. How many people are seated between A and C when counted from the right of C?

A. 3

B. 1

C. 4

D. 2

**Q55** Floor/Building Arrangement

Eight boxes, A, B, C, D, E, F, G and H, are kept one over the other, but not necessarily in the same order.

A is kept at third position from the top. Only three boxes are kept between D and A. Only F is kept between C and G. Only two boxes are kept between C and H. B is kept at one of the positions above G.

How many boxes are kept exactly between A and G?

A. Four

B. Two



C. One

D. Three

Q56 Group Pattern

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

OUF LSE IQD ? CMB

A. KJU

B. FTR

C. FOC



D. GTF

Q57 Letter to Number Mapping

In a certain code language "YCMI" is coded as "174" and "PSXE" is coded as "132". What is the code for "LAMU" in the given language?

A. 176

B. 172

C. 183



D. 187

Q58 Letters Between Two Positions

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

A. 6



B. 4

C. 5

D. 8



Q59 Letters Between Two Positions

All the individual letters in the word FILCHED are arranged in the English 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 third from the right in the new letter cluster thus formed?

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

Q60 Letters in a Given Word

This question is based on the following words.
PET HUS DOG THY

In each of the words, each vowel 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. In how many letter-clusters thus formed, will no vowel appear?

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

Q61 Letters in a Given Word

This question is based on the following words:
NAP KIT GUN DRY

If in each of the words, each letter is changed to the immediate letter following it in the English alphabetical order, how many letter-clusters thus formed will have no vowel?

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

Q62 Linear Family Relations

G is mother of H. H is wife of I. I is father of J. How is G related to J?

- A. Father's Mother
- B. Mother
- C. Sister
- D. Mother's Mother

Q63 Missing Number

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

53 56 62 71 83 98 ?

- A. 116
- B. 124
- C. 113
- D. 121

Q64 Number Series

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

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

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

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

Q65 Operation Based

Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, a certain mathematical operation on the second number results in the third number. Which of the given options follows the same set of operations as in the question?

(NOTE: A two/three digit number cannot be broken into individual digits for operations. E.g. if 37 is followed by 10, the operation cannot be 3+7 as a two-digit number cannot be broken into individual digits.)

76 - 456 - 423 ;
85 - 510 - 477

- A. 93 - 558 - 525
- B. 71 - 426 - 383
- C. 68 - 408 - 373
- D. 55 - 360 - 330



Q66 Operation Based

31 is related to 62 in a certain way. Following the same way, 26 is related to 52. To which of the following is 4 related, following the same logic?

(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, 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.)

A. 3

B. 5

C. 8



D. 7

Q67 Operator Swap

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

12 P 6 R (40 Q 8) P 7 = ?

A. 44

B. 59

C. 21

D. 37

**Q68 Operator Swap**

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?

227 C 135 A 9 B 5 D 89 = ?

A. 206

B. 205

C. 213



D. 158

Q69 Operator Swap

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

20 D 66 A 3 C 10 B 9 = ?

A. 86

B. 85

C. 88



D. 87

Q70 Pattern Based

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

KNU : HPX

GPP : DRS

A. FNH : CPJ

B. KJE : HLH



C. QLJ : NNL

D. YVQ : VWT

Q71 Position Pattern

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. MPT

B. PSW

C. KOR



D. ZCG

Q72 Position Pattern

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. MS - RX

B. IO - NT

C. KQ - JI



D. LR - QW

Q73 Position from Left/Right

Rakesh ranked 56th from the top and 12th from the bottom in his class. How many students are there in his class?

A. 67



B. 65

C. 66

D. 68



Q74 Position from Left/Right

Raman ranked 15th from the top and 10th from the bottom in his class. What is the total number of students in his class?

A. 25

B. 23

C. 24



D. 22

Q75 Single Row (One-way/Both-way)

Seven students, I, J, K, P, Q, R and Z, are sitting in a row, facing north.

Only one person sits between R and Q. Only five people sit between J and Z. R sits to the immediate left of Z. K sits at some place to the left of I but at some place to the right of P.

Who sits third from the left end of the row?

A. K



B. I

C. Q

D. R

Q76 Symbol Based

In a certain code language,
'A × B' means 'A is the son of B',
'A – B' means 'A is the brother of B',
'A + B' means 'A is the wife of B',
'A % B' means 'A is the father of B'.

How is M related to T if 'M – N % P + S × T'?

A. Son's wife's father's brother



B. Son's wife's father

C. Son's wife's father's father

D. Son's wife's brother

Q77 Symbol Included Pattern

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

(Left) \ ^ 8 / 1 1 % 4 % 3 \ ? / 2 / @ 7 ? @ @ \$ (Right)

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

A. None

B. Two

C. Three

D. One

**Q78 Symbol Included Pattern**

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

(Left) A 4 & P % 7 @ 8 T 6 & K 2 R 5 # 3 Ω E C D (Right)

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

A. One

B. Three



C. Two

D. None

Q79 Two Statement Syllogism

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

Statements:

All flowers are plants.

Some plants are trees.

Conclusions:

(I) Some trees are flowers.

(II) All flowers are trees.

A. Only conclusion (II) follows

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

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



D. Only conclusion (I) follows

Q80 Two Statement Syllogism

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

Statements:

All ostriches are kiwis.

No ostrich is a pigeon.

Conclusions:

(I) No kiwi is a pigeon.

(II) Some pigeons are ostriches.

A. Only conclusion (II) follows

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

C. Only conclusion (I) follows

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



Q81 Books & Authors

Who among the following is the author of the book "The Star from Calcutta" published in March 2026?

A. Sujata Massey



B. Vikram Sampath

C. Ramachandra Guha

D. Shashi Tharoor

Q82 Conflicts & Peace Processes

On 28 February 2026, the United States and Israel launched a series of military strikes targeting which country's nuclear and ballistic missile programme, with the stated goal of regime change?

A. Syria

B. Iraq

C. Iran



D. Yemen

Q83 Cricket (IPL, WC, etc.)

Which country won the ICC Men's T20 Cricket World Cup 2026 in the final held at Narendra Modi Stadium, Ahmedabad?

A. Australia

B. India



C. England

D. New Zealand

Q84 Defense & Technology

Which of the following technologies was highlighted by Headquarters Integrated Defence Staff (HQ IDS) in May 2026 for its ability to enable direct communication between the human and external devices?

A. Satellite Navigation Interface (SNI) system

B. Brain-Computer Interface (BCI) system



C. Quantum Communication Network (QCN) system

D. Integrated Battlefield Sensor (IBS) system

Q85 Individual Records

Which Indian swimmer made history in 2026 by becoming the youngest and fastest swimmer in his age category to cross the 29-kilometre Palk Strait between Sri Lanka and India?

A. Ishank Singh



B. Virdhawal Khade

C. Srihari Nataraj

D. Sajan Prakash

Q86 International Awards

Which novel by Daniel Kraus won the 2026 Pulitzer Prize for Fiction — described as a World War I story blending allegory, magical realism, and science fiction, uniquely told in a single sentence?

A. Whalefall

B. Angel Down



C. Vigil

D. Audition

Q87 Missile Tests & Systems

Which organisation had successfully completed the development trials of the Unmanned Aerial Vehicle Launched Precision Guided Missile (ULPGM)-V3 in Air-to-Ground and Air-to-Air modes near Kurnool, Andhra Pradesh, in May 2026?

A. Bharat Dynamics Limited

B. Defence Research and Development Organisation



C. Hindustan Aeronautics Limited

D. Indian Space Research Organisation

Q88 National Current Affairs

Who was crowned as Femina Miss India World 2026 at the grand finale in Bhubaneswar, representing Goa?

A. Sadhvi Satish Sail



B. Priya Singh

C. Ananya Nair

D. Riya Kumari Sharma



Q89 National Themed Days

In the context of annual observances in India, which theme was officially declared by the Department of Science and Technology for National Science Day 2026?

- A. Science for Rural Development
- B. Women in Science: Catalyzing Viksit Bharat ✓
- C. Innovating for Sustainable India
- D. Empowering Youth through Science

Q90 New Apps & Portals

India launched the Cell Broadcast System (CBS) in 2026 to improve disaster alerts. During a cyclone threat, which CBS feature enables authorities to instantly warn everyone in the affected area?

- A. Geo-targeted broadcasting ✓
- B. Satellite image sharing
- C. Manual message forwarding
- D. Individual call routing

Q91 New Apps & Portals

Which of the following portals was launched by the Ministry of Women and Child Development in January 2026 to enhance ease of living for Women & Children?

- A. PANKHUDI Portal ✓
- B. CARA Portal
- C. SAKSHAM Portal
- D. SACHET Portal

Q92 New Guidelines & Regulations

In its April 2026 bi-monthly policy, the RBI proposed the removal of the requirement for due diligence at the time of onboarding entities onto which platform, primarily to support MSMEs?

- A. The Sovereign Gold Bond (SGB) Scheme
- B. The Trade Receivables Discounting System (TReDS) ✓
- C. The National Automated Clearing House (NACH)
- D. The Factoring Regulation Act (FRA) portal

Q93 Policy Changes & Amendments

The Jan Vishwas (Amendment of Provisions) Bill, 2026, which received Presidential assent in April 2026, proposed to amend how many Central Acts to reduce the criminalisation of minor offences?

- A. 95 Central Acts
- B. 62 Central Acts
- C. 45 Central Acts
- D. 79 Central Acts ✓

Q94 Policy Changes & Amendments

Who moved the Insolvency and Bankruptcy Code (Amendment) Bill, 2026, for consideration and passage in the Lok Sabha on behalf of the Ministry of Corporate Affairs?

- A. Minister of State for Corporate Affairs Harsh Malhotra ✓
- B. Union Law Minister Arjun Ram Meghwal
- C. Minister of Corporate Affairs Piyush Goyal
- D. Union Finance Minister Nirmala Sitharaman

Q95 Rankings & Reports

According to the Periodic Labour Force Survey (PLFS) for January–March 2026, how did unemployment rates change compared with the October–December 2025 quarter?

- A. Rural and urban unemployment rates increased during the quarter.
- B. Rural unemployment increased, while urban unemployment declined marginally. ✓
- C. Rural and urban unemployment rates remained unchanged during the quarter.
- D. Rural unemployment declined, while urban unemployment increased marginally.

Q96 Recent Tournaments

Who won the gold medal in the Women's Category at the Para Throwball National Federation Cup 2026?

- A. Jharkhand ✓
- B. Maharashtra
- C. Karnataka
- D. Rajasthan



Q97 Science & Technology Current Affairs

In the context of the December 2025 breakthrough in computer-aided drug discovery, the novel open-source computational framework PathGennie primarily addresses which key limitation of traditional molecular dynamics (MD) simulations?

- A. Excessive memory consumption during protein structure visualization
- B. Incompatibility of MD simulations with quantum chemical calculations
- C. Difficulty in accurately simulating rare unbinding events without introducing artificial bias forces ✓
- D. Inability to compute drug binding affinity under physiological pH

Q98 Species Conservation

Which of the following National Parks witnessed the birth of four cubs to an Indian-born female cheetah in the wild in April 2026?

- A. Kanha National Park
- B. Bandhavgarh National Park
- C. Kuno National Park ✓
- D. Sundarbans National Park

Q99 Team Achievements

Which country had retained the top position in the ICC Men's T20I rankings with 275 rating points in May 2026 after successfully defending the T20 World Cup title?

- A. South Africa
- B. England
- C. India ✓
- D. Australia

Q100 Treaties & Agreements

Which agreement was jointly announced at the Sixteenth India–European Union Summit held during the visit of the European leaders to India in January 2026, marking a significant milestone in economic relations between the two regions?

- A. India–European Union Multilateral Nuclear Supply Accord
- B. India–European Union Common Currency Integration Pact
- C. India–European Union Free Trade Agreement ✓
- D. India–European Union Unified Military Command Treaty



General Science

25 Questions • Answer Key

Q1 Atomic Structure & Models

Two isotopes of chlorine are present in nature: chlorine-35 and chlorine-37. Which statement best explains their chemical behavior?

- A. They react differently with sodium
- B. They cannot bond with hydrogen
- C. They have different valencies
- D. They form identical compounds ✓

Q2 Atomic Structure & Models

According to Bohr's model, electrons revolve around the nucleus in:

- A. Fixed circular orbits ✓
- B. Random circular paths
- C. Elliptical energy clouds
- D. Spiral trajectories

Q3 Balancing Chemical Equations

A student tries to balance the equation $\text{Fe} + \text{H}_2\text{O} \rightarrow \text{Fe}_3\text{O}_4 + \text{H}_2$ and writes the following step:



Which statement best explains why this step is INCORRECT?

- A. It changes the composition of water ✓
- B. It balances oxygen atoms directly
- C. It maintains mass conservation law
- D. It increases oxygen atoms correctly

Q4 Basic Organic Chemistry

What is formed when carbon burns in oxygen?

- A. Hydrogen gas with heat and light released
- B. Methane gas with heat and light released
- C. Carbon dioxide with heat and light released ✓
- D. Carbon monoxide with heat and light released

Q5 Classification of Organisms

A zoologist finds two organisms with the same order but different families. Which conclusion about their classification does this indicate?

- A. They share family but not class
- B. They share species but not order
- C. They share genus but not family
- D. They share all higher levels up to order ✓

Q6 Current Electricity (Ohm's Law, Circuits)

If the power consumed by a bulb is 60 W and the voltage across it is 120 V, what is the resistance of the bulb?

- A. 2 Ω
- B. 240 Ω ✓
- C. 60 Ω
- D. 0.5 Ω

Q7 Current Electricity (Ohm's Law, Circuits)

A student constructs a circuit with a battery of 12 V and two resistors of 6 ohms and 4 ohms connected in series. What is the total current flowing through the circuit according to Ohm's Law?

- A. 0.6 A
- B. 2.0 A
- C. 1.2 A ✓
- D. 1.0 A

Q8 Digestive System

Why does the sight of or thought of delicious food make our mouths "water"?

- A. Stomach acid increases rapidly
- B. Taste buds start moving quickly
- C. Salivary glands secrete saliva ✓
- D. Digestive enzymes are released



Q9 Digestive System

Why is the small intestine able to fit into a compact space within the human body?

- A. Large diameter
- B. Rigid lining
- C. Extensive coiling
- D. Thick walls

Q10 Extraction & Metallurgy

Metals of medium reactivity are generally found in the form of which compounds?

- A. Peroxides, hydrides, or cyanides
- B. Chlorides, silicates, or phosphates
- C. Oxides, sulphides, or carbonates
- D. Nitrides, fluorides, or bromides

Q11 Human Eye & Defects

Which part of the human eye controls the amount of light entering the eye?

- A. Retina
- B. Optic Nerve
- C. Cornea
- D. Iris

Q12 Hydrocarbons (Methane, Ethane, etc.)

Consider the following statements and select the correct option.

Statement A: Addition reactions occur when two or more reactants combine to form a single product.

Statement B: Alkenes and alkynes commonly undergo addition reactions.

- A. Statement A is incorrect but B is correct.
- B. Statement A is correct but B is incorrect.
- C. Both statements A and B are correct.
- D. Both statements A and B are incorrect.

Q13 Mechanics

In a velocity–time graph, which type of line represents motion with no change in velocity?

- A. Curved line
- B. Slanted straight line
- C. Parabola
- D. Horizontal straight line

Q14 Mechanics

A distance–time graph for an object moving at uniform speed is characterized by which of the following features?

- A. A straight line with a constant positive slope
- B. A horizontal straight line
- C. A curved line with changing slope
- D. A straight line with a negative slope

Q15 Mirrors & Lenses

A student notices that the image formed by a lens is virtual, upright, and larger than the object. Which lens and object position is responsible for this observation?

- A. Convex lens with object between optical centre of lens and focal point
- B. Concave lens with object at any position
- C. Concave lens with object beyond twice the focal length
- D. Convex lens with object at twice the focal length

Q16 Mirrors & Lenses

A student places an object 20 cm in front of a concave mirror with a focal length of 10 cm, using the sign convention for spherical mirrors. What is the correct value and sign for the image distance?

- A. +20 cm
- B. -10 cm
- C. -20 cm
- D. +10 cm

Q17 Mixtures, Solutions, Colloids

Which of the following mixtures is NOT homogeneous?

- A. Air
- B. Vinegar
- C. Salt water
- D. Oil and water

Q18 Nervous System & Brain

What are the main components of nervous tissue?

- A. Muscles
- B. Neurons
- C. Bones
- D. Glands



Q19 Plant Hormones

In geotropism, what does gravity act as?

- A. Internal factor
- B. Biotic factor
- C. Reversible signal
- D. Directional stimulus** ✓

Q20 Plant Kingdom (Divisions)

In a comparative study, angiosperms might be more diverse than gymnosperms in various environments as:

- A. Aquatic fertilisation events increases variation
- B. Angiosperms utilize flowers and fruits for reproduction** ✓
- C. Needle-like leaves helps enhance species diversity
- D. Gymnosperms rely on efficient water transport

Q21 Plant Tissues & Transport

During a histological examination of a plant's leaf stalk, elongated cells with irregularly thickened corners and very little intercellular space are observed. Which simple permanent tissue is present and what is its primary function in this region?

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

Q22 Plant Tissues & Transport

Complete the analogy.

Meristematic Tissue : Dividing capacity :: Simple Permanent Tissue : _____

- A. Active locomotion
- B. Protective epidermis
- C. Lost ability to divide** ✓
- D. Rapid stimulus transmission

Q23 Work, Energy & Power

The work done to increase the kinetic energy of a 4 kg object from 50 J to 98 J is:

- A. 148 J
- B. 24.5 J
- C. 52 J
- D. 48 J** ✓

Q24 Work, Energy & Power

A box is raised to the same height either by lifting it vertically or by pushing it up an ideal inclined plane. Which quantity is the same in both cases?

- A. Effort applied
- B. Potential energy gained by the box** ✓
- C. Mechanical advantage of the method used
- D. Distance moved by the box

Q25 pH Scale & Indicators

Which acid does our stomach produce and what is its pH?

- A. Citric acid; pH 6.5-7.0
- B. Hydrochloric acid (HCl); pH 1.5-3.5** ✓
- C. Lactic acid; pH 3.5-4.5
- D. Acetic acid; pH 6.0-7.0

Mathematics

25 Questions • Answer Key

Q26 $(a+b)^2, (a-b)^2$

What is the value of $(x + 2)^2 - (x - 2)^2$ when $x = 1$?

- A. 12
- B. 4
- C. 16
- D. 8** ✓

Q27 Annual Compounding

Mahesh deposited a certain sum of money at 20% rate of interest per annum, compounded annually. At the end of 2 years, Mahesh received a total amount of ₹26,316. What was the sum of money deposited by Mahesh?

- A. ₹18,539
- B. ₹18,607
- C. ₹18,275** ✓
- D. ₹17,872



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Q28 Average Speed

Arjun travelled from place A to place B by car at a speed of 48 km/hr and returned back to place A at a speed of 60 km/hr. He then again went to place B at a speed of 72 km/hr. Find the average speed of the car for the whole journey (rounded off to two decimal places).

- A. 54.86 km/hr
- B. 50.53 km/hr
- C. 58.38 km/hr
- D. 48.31 km/hr

Q29 Basic Ratio

The ratio of men to women in a hall is 5 : 3. If 24 more women join and 12 men leave, the ratio becomes 3 : 2. Find the number of men originally present.

- A. 440
- B. 520
- C. 480
- D. 360

Q30 Curved & Total Surface Area

During a craft activity, a student creates a paper model in the shape of a right circular cone. The cone has a volume of $100\pi \text{ cm}^3$ and a height of 12 cm. Find the curved surface area (in cm^2) of the cone. Give your answer in terms of π .

- A. 60π
- B. 90π
- C. 65π
- D. 25π

Q31 Dividing Quantity in Ratio

The sum of three numbers is 455. The ratio of the first number to the second number is 2:3, and the ratio of the second number to the third number is 4:5. Find the first number

- A. 102
- B. 108
- C. 106
- D. 104

Q32 Efficiency Based

If 8 painters can paint 18 rooms in 9 days, then how many rooms can 4 painters paint in 12 days?

- A. 16 rooms
- B. 14 rooms
- C. 18 rooms
- D. 12 rooms

Q33 Find SI

Find the simple interest (in ₹) if a sum of ₹550 is borrowed for 3.5 years at 12% per annum rate of interest.

- A. 331
- B. 211
- C. 281
- D. 231

Q34 Finding Ratio

In a digital design company, there are only graphic designers and content writers. The average monthly salary of the graphic designers is ₹520, while those of the content writers is ₹420. If the average monthly salary of all employees is ₹500, then what percentage of the company's employees are graphic designers, and are content writers, respectively?

- A. 30% and 70%
- B. 80% and 20%
- C. 70% and 30%
- D. 20% and 80%

Q35 Laws of Indices

Given that $106^{0.02} = x$, $106^{0.59} = y$ and $x^z = y^9$, then the value of z is:

- A. 263.5
- B. 265.5
- C. 266.5
- D. 264.5



Q36 Leaving Midway

Anshu can do a piece of work in 16 days, and Bijeta can do the same work in 24 days. They work together for 6 days, after which Anshu leaves. In how many days will Bijeta complete the remaining work?

A. 7

B. 6

C. 8

D. 9

**Q37 Percentage Increase/Decrease**

The cost of a washing machine is 50% less than the cost of a TV. If the cost of the washing machine increases by 60% and that of the TV decreases by 11%, then what is the percentage change in the total cost of 6 washing machines and 2 TVs?

A. Decrease by 33%

B. Decrease by 29%

C. Increase by 31.6%



D. Increase by 26%

Q38 Population Based Problems

A city's population increases by 15% in the first year and by 20% in the second year. If the original population was 50,000, find the population after 2 years.

A. 69,900

B. 68,800

C. 68,000

D. 69,000

**Q39 Profit/Loss Percentage**

A manufacturer fixes his selling price at 25% over the cost of production. If the cost of production goes up by 50%, and the manufacturer raises his selling price by 68%, find the profit percentage.

A. 39%

B. 40%



C. 41%

D. 45%

Q40 Relative Speed

Akshat and Shivam start simultaneously from point P towards point Q, which is 300 km away. Akshat travels at 70 km/h, while Shivam moves at 50 km/h. After reaching point Q, Akshat immediately turns back towards point P and eventually meets Shivam on the way. At what distance from point Q do they meet?

A. 48 km

B. 50 km



C. 51 km

D. 49 km

Q41 Successive Discount

The marked price of a cooker is the same at four shops I, II, III and IV. Shop I allows two successive discounts of 87% and 66%, shop II allows successive discounts of 56% and 30%, shop III allows successive discounts of 23% and 69% and shop IV allows successive discounts of 97%, 45%, and 27% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

A. III

B. IV



C. I

D. II

Q42 Successive Percentage Change

A number is first increased by 45%, then decreased by 20%, again increased by 10%, and then decreased by 25%. What is the overall increase/decrease percentage in the number?

A. 4.3% increase

B. 4.3% decrease



C. 4.1% decrease

D. 5.2% increase

Q43 Weighted Average

In an examination the weights assigned to the scores in Mathematics and Science are 2 and 3, respectively. A student scores 50 in Mathematics and 70 in Science. What is his weighted average score in the examination?

A. 60

B. 62



C. 64

D. 58



Q44 $\sin^2 + \cos^2 = 1$

If $\sin \theta + \cos \theta = \sqrt{2}$, find the value of $\tan \theta + \cot \theta$.

A. 2



B. 5

C. 4

D. 1

Q45 Mean of Grouped Data

If the mean of the following data is 42, then what is the value of x?

Class	10-20	20-30	30-40	40-50	50-60
Frequency	44	29	39	10	x

A. 172

B. 148



C. 175

D. 169

Q46 Regular Polygons

A regular hexagon is inscribed within a circle. If the area of the hexagon is $144\sqrt{3}$ square units, determine the ratio of the circumference of the circle to the perimeter of the hexagon.

A. $3:\pi$

B. $\pi:3$



C. $2:\pi$

D. $\pi:2$

Q47 Simplification

A rope of length 1120 meters is divided equally among a group of trekkers. If each trekker receives a share of a meters and there are 80 trekkers, what is the value of a ?

A. 196



B. 224

C. 140

D. 112

Q48 Volume

Find the volume of a cone, whose slant height is 25 cm and curved surface area is 942 cm^2 (rounded off to two places of decimal, use $\pi = 3.14$, and $\sqrt{481} = 21.93$).

A. 2156.33 cm³

B. 2438.56 cm³

C. 3305.29 cm³



D. 2789.95 cm³

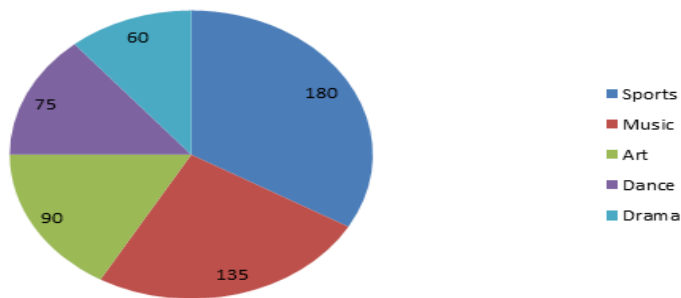
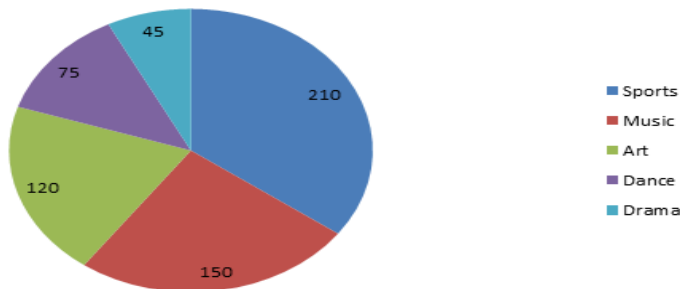


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Q49 Year-on-Year Comparison

A school conducted a survey of co-curricular activities opted by students in 2023 and 2024. The results are shown in the two pie charts below:

Year 2023 (Total students = 540)**Year 2024 (Total students = 600)**

By what percentage did the number of students choosing Art increase from 2023 to 2024? (Approximately)

A. 33.33%



B. 30%

C. 34.67%

D. 32.5%

Q50 $\sin^2 + \cos^2 = 1$

If $\sin \theta + \cos \theta = \frac{7}{17}$, then find the positive value of $\sin \theta - \cos \theta$.

A. $\frac{21}{17}$

B. $\frac{27}{17}$

C. $\frac{25}{17}$

D. $\frac{23}{17}$



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Q51 Alphabet / Word Test

Each of the digits in the number 5698321 is arranged in ascending order from left to right. What will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

A. 11

B. 9

C. 12

D. 10

**Q52 Day of Week Assignment**

Each of A, B, C, D, P, Q and R has an exam on a different day of a week starting from Monday and ending on Sunday of the same week.

C has the exam on Friday. Only two people have exams between D and C. Only four people have exams between R and D. B has the exam immediately after Q. P does not have the exam on Monday.

How many people have the exam before P and after A?

A. Two

B. Four



C. Three

D. One

Q53 Day of Week Assignment

Each of C, D, E, F, G, X and Y has interview on a different day of a week, starting from Monday and ending on Sunday of the same week.

C has interview on Sunday. Only three people have interview between Y and C. Only one person has interview between E and X. G has interview immediately the day before D. F doesn't have interview on Friday. X has interview immediately before Y.

How many people have interview after F?

A. Four

B. Three

C. Five

D. Six

**Q54 Facing Center**

Seven students, I, J, K, P, Q, R and Z, are sitting around a circular table, facing the center of the table.

P sits third to the left of K. Only one person sits between R and J when counted from the left of J. Q sits third to the right of Z. Q sits to the immediate right of P. I is not an immediate neighbor of P.

Who sits third to the left of R?

A. I

B. Q



C. P

D. J

Q55 Floor/Building Arrangement

G, H, J, K, L and P live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on till the topmost floor is numbered 6. G lives on floor numbered 4. Only two people live between G and L. Only P lives between G and J. H lives immediately below G. Who lives on floor number 2?

A. G

B. L

C. P

D. K

**Q56 Group Pattern**

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

PGD MFF JEH GDJ ?

A. FGR

B. BGT

C. DCL



D. LKJ

Q57 Letter Analogy

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

SBM : # :: % : GOD

A. # = SAL, % = HPE

B. # = RAL, % = HPE



C. # = RAL, % = HPD

D. # = SBN, % = HPE



Q58 Letter Analogy

Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

ZQB : CSC

OIF : RKG

A. SBU : VFT

B. LCX : NEA

C. TCR : WES



D. NDS : RHV

Q59 Letter Analogy

MKRO is related to SQXU in a certain way based on the English alphabetical order. In the same way, JHOL is related to PNUR. To which of the following is ECJG related, following the same logic?

A. IKPM

B. KIPM



C. IKMP

D. KIMP

Q60 Letter Series

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

(Left) U S A O S H T E D W W U X Z Z U O N A I F F (Right)

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

A. 1

B. 4

C. 2



D. 3

Q61 Letters in a Given Word

This question is based on the given words.

PLAN FREY BORN WANT

How many letters are there between the fourth letter of the first word from the right and the fourth letter of the first word from the left as per the English alphabetical order?

A. Five



B. Six

C. Four

D. Three

Q62 Missing Number

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

64 82 100 118 136 154 ?

A. 172



B. 168

C. 174

D. 170

Q63 Number Series

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

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

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

A. None

B. Three

C. Two



D. One

Q64 Operation Based

Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, a certain mathematical operation on the second number results in the third number. Which of the given options follows the same set of operations as in the question?

(NOTE: A two/three digit number cannot be broken into individual digits for operations. E.g. if 37 is followed by 10, the operation cannot be 3+7 as a two-digit number cannot be broken into individual digits.)

145 - 725 - 404 ;

159 - 795 - 474

A. 159 - 795 - 464

B. 164 - 820 - 499



C. 122 - 610 - 389

D. 139 - 695 - 383



Q65 Operation Based

Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number results in the second number. Similarly, certain mathematical operation(s) on the second number result(s) in the third number and so on. Which of the given options follows the same set of operations as in the given sets? (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting / multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

17 - 34 - 68 - 98;
21 - 42 - 84 - 114

A. 23 - 46 - 92 - 122



B. 24 - 48 - 52 - 62

C. 27 - 54 - 72 - 92

D. 32 - 64 - 128 - 138

Q66 Operator Swap

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

$$259 \div 66 \times 462 - 483 + 321 = ?$$

A. 199



B. 919

C. 119

D. 209

Q67 Position Pattern

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. BF - ZD

B. LO - IL



C. RV - PT

D. PT - NR

Q68 Position Pattern

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the 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. LJM

B. VUW



C. AYB

D. WUX

Q69 Rearrangement of Letters

Each of the digits in the number 52369841 is arranged in descending order from left to right. Which of the following digits will be fifth from the right in the new number thus formed?

A. 5



B. 6

C. 4

D. 8

Q70 Shifting Pattern (+1, +2, etc.)

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

A. G

B. I

C. H



D. M

Q71 Shifting Pattern (+1, +2, etc.)

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

A. T



B. D

C. Q

D. N



Q72 Shifting Pattern (+1, +2, etc.)

This question is based on the following words.

VAN POS CUT DIE

In each of the words, each vowel 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. In how many letter-clusters thus formed, will no vowel appear?

A. Two



B. Three

C. Four

D. One

Q73 Single Row (One-way/Both-way)

Seven people, P, Q, R, S, T, U, and V, are sitting in a straight line, facing the north.

Only two people sit to the left of Q. S sits to the immediate right of Q. Only two people sit between S and R. R does not sit to the extreme left end of the line. P sits to the immediate left of U. Only T sits between V and R. Who sits at the extreme right end of the line?

A. U

B. R



C. P

D. T

Q74 Symbol Based

In a certain code language,

A @ B means 'A is the mother of B'

A # B means 'A is the brother of B'

A \$ B means 'A is the wife of B'

A % B means 'A is the father of B'.

How is Sid related to Aditya if 'Sid # Kashish \$ Tarun % Puneet @ Aditya'?

A. Mother's father's brother

B. Mother's mother's brother



C. Mother's mother's father

D. Mother's father's father

Q75 Symbol Based

In a certain code language,

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

A - B means 'A is the wife of B',

A × B means 'A is the son of B', and

A ÷ B means 'A is the husband of B'.

How is P related to T if 'P + Q - R × S - T'?

A. Son's daughter



B. Daughter

C. Sister

D. Daughter's daughter

Q76 Symbol Included Pattern

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

(Left) + F M A @ M S < Z = V P & M = A % T @ # ? Ω F J > P = (Right)

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

A. Two

B. Three

C. Five

D. Four

**Q77 Two Statement Sufficiency**

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Question: M, N, O, P, and Q - each got different marks. Who got the highest marks?

Statements:

(I) N scored more than M and O. M scored more than P and Q.

(II) P scored more than O. Q scored less than M.

A. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question

B. Data in Statement II alone is sufficient to answer the question while data in statement I is not

C. Both statements I and II together are NOT sufficient to answer the question

D. Data in Statement I alone is sufficient to answer the question while data in statement II is not



Q78 Two Statement Sufficiency

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and select the appropriate answer.

Q. Among 5 sticks, B, U, N, M and D, each having a different height, which stick is the shortest?

(I) D is taller than only two sticks. M is taller than D but shorter than N.

(II) B is taller than U.

- A. Data in statement II alone is sufficient to answer the question while data in statement I is not.
- B. Data in statement I alone is sufficient to answer the question while data in statement II is not.
- C. Both statements I and II together are NOT sufficient to answer the question.
- D. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question. ✓

Q79 Two Statement Sufficiency

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and select the appropriate answer.

Q. Among 5 sticks, U, R, N, S and T, each having a different height, which stick is the shortest?

(I) T is shorter than R. S is shorter than U.

(II) S is taller than T.

- A. Data in statement II alone is sufficient to answer the question while data in statement I is not.
- B. Both statements I and II together are NOT sufficient to answer the question. ✓
- C. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.
- D. Data in statement I alone is sufficient to answer the question while data in statement II is not.

Q80 Word to Code Mapping

In a certain code language, 'cut the ice' is coded as 'th vd kb' and 'make sharp cut' is coded as 'vd ry mu'. How is 'cut' coded in that language? (All the codes are two-letter codes only.)

- A. ry
- B. vd ✓
- C. kb
- D. th

General Awareness

20 Questions • Answer Key

Q81 Civilian Awards

Shri Kallipatti Ramasamy Palaniswamy, who received the Padma Bhushan in May 2026, was awarded in which of the following categories?

- A. Medicine ✓
- B. Social Work
- C. Science and Engineering
- D. Literature and Education

Q82 Constitutional Posts

Thiru C. Joseph Vijay, recently sworn in as the Chief Minister of Tamil Nadu 2026, was previously known for his career in which field before entering politics?

- A. Law practice
- B. Film acting ✓
- C. Scientific research
- D. Sports coaching

Q83 Corporate & Organizational Heads

Who was appointed as the Vice Chairperson of NITI Aayog in April 2026?

- A. Shri Ashok Kumar Lahiri ✓
- B. Shri Amitabh Kant
- C. Dr. Rajiv Kumar
- D. Shri Suman Bery

Q84 Digital India Updates

In January 2026, which supercomputing facility was launched at IIT Madras by the Secretary of the Ministry of Electronics and Information Technology (MeitY), Shri S. Krishnan?

- A. PARAM Ganga Supercomputing Facility
- B. PARAM Yuva Supercomputer
- C. Param Shakti Supercomputing Facility ✓
- D. PARAM Siddhi Supercomputer



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Q85 Elections in Major Countries

Which Prime Minister had secured a historic third consecutive general election victory in Barbados in February 2026, leading the Barbados Labour Party (BLP) to another parliamentary majority?

- A. Ralph Thorne
- B. Sandra Mason
- C. Freundel Stuart
- D. Mia Amor Mottley

**Q86 Environment Current Affairs**

During the severe heatwave conditions reported in 2026, India accounted for 95 of the world's 100 hottest cities, highlighting growing concerns regarding rising temperatures and climate-related risks. This issue is most directly associated with which Sustainable Development Goal (SDG) of the United Nations?

- A. SDG 15
- B. SDG 6
- C. SDG 13
- D. SDG 11

**Q87 Government Policies & Schemes**

In May 2026, the Railway Protection Force highlighted its humanitarian initiative aimed at assisting pregnant women who unexpectedly go into labour during train journeys. Under which operation is this assistance provided?

- A. Operation Jeevan Raksha
- B. Operation Nanhe Faristey
- C. Operation Suraksha
- D. Operation Matrishakti

**Q88 HDI, GHI, etc.**

According to the Economic Survey 2025–26 tabled in Parliament, India improved its rank in the Global Innovation Index (GII) 2025 from 66th in 2019 to which position — also making it 1st among lower-middle-income economies and 1st in Central & Southern Asia?

- A. 45th
- B. 38th
- C. 40th
- D. 42nd

**Q89 Individual Records**

In February 2026, Eileen Gu won a silver medal in the Big Air event at the Winter Olympics. This achievement made her the most decorated woman in the history of which sport?

- A. Ski Jumping
- B. Snowboarding
- C. Freestyle Skiing
- D. Alpine Skiing

**Q90 Key Announcements**

The Union Budget 2026, as appreciated by Prataprao Jadhav, focuses on strengthening which approach to healthcare?

- A. Emergency healthcare
- B. Veterinary healthcare
- C. Holistic healthcare
- D. Military healthcare

**Q91 Key Announcements**

The Union Budget 2026-27 introduced a new comprehensive framework to upgrade the earlier Khelo India programme. What is the name of this new multi-faceted mission?

- A. Khelo India Mission
- B. National Sports Development Framework
- C. Bharat Sports Excellence Programme
- D. Target Olympic Podium Scheme (TOPS) 2.0

**Q92 Key Articles (14, 19, 21, 32, 356, etc.)**

Under which Article of the Constitution of India did the Supreme Court in 2026 declare safe travel on National Highways as part of the fundamental right to life?

- A. Article 32
- B. Article 14
- C. Article 21
- D. Article 19

**Q93 Missile Tests & Systems**

In February 2026, DRDO successfully demonstrated which advanced propulsion technology for long-range missiles?

- A. Solid Fuel Ducted Ramjet technology
- B. Cryogenic Propulsion System
- C. Nuclear Thermal Engine
- D. Electric Jet Propulsion System



Q94 National Current Affairs

Where was the India Pharma 2026 conference held?

A. New Delhi



B. Jaipur

C. Hyderabad

D. Chennai

Q95 Policy Changes & Amendments

Under which Rules did the Department of Consumer Affairs amend the framework in May 2026 to expand the scope of Government Approved Test Centres (GATCs) for verification and re-verification of fuel dispensing systems?

A. Legal Metrology (Packaged Commodities) Rules, 2011

B. Legal Metrology (National Standards) Rules, 2011

C. Legal Metrology (General) Rules, 2011

D. Legal Metrology (Government Approved Test Centre) Rules, 2013

**Q96 Policy Changes & Amendments**

Under the National Anti-Doping (Amendment) Bill, 2025, which authority has been designated to enforce anti-doping regulations in India?

A. Sports Authority of India

B. National Anti-Doping Agency



C. Counter Doping Council of India

D. Indian Sports Council

Q97 Recent Tournaments

At which championship had Indian wrestlers secured two gold, two silver, and one bronze medal in the men's freestyle category in Da Nang, Vietnam, in 2026?

A. Commonwealth Wrestling Championships

B. Asian Wrestling Championships

C. Asian Under-23 Wrestling Championships



D. World Under-23 Wrestling Championships

Q98 Science & Technology Current Affairs

At which institution was the 3rd International Conference on Nonlinear Dynamics and Applications (ICNDA 2026) conducted?

A. Birla Institute of Technology Mesra

B. Sikkim Manipal Institute of Technology



C. Indian Institute of Technology Guwahati

D. National Institute of Technology Silchar

Q99 Species Conservation

In April 2026, which of the following national parks recorded its first-ever birth of a cheetah litter in the absolute wild?

A. Kanha National Park

B. Pench National Park

C. Bandhavgarh National Park

D. Kuno National Park

**Q100 Sports Current Affairs**

Which centre had been notified by the Ministry as a 'Nodal Centre for Para Sports' while Union Sports Minister Dr. Mansukh Mandaviya inaugurated integrated sports infrastructure facilities in May 2026?

A. Netaji Subhas National Institute of Sports, Patiala

B. Sports Authority of India National Centre of Excellence (SAI NCoE), Gandhinagar



C. Indira Gandhi Stadium, New Delhi

D. Lakshmbai National Institute of Physical Education, Gwalior



General Science

25 Questions • Answer Key

Q1 Atoms & Molecules

Why is the reaction flask corked during experiments verifying conservation of mass?

- A. To allow air circulation
- B. To cool reaction mixture
- C. To increase reaction speed
- D. To prevent loss of matter

**Q2 Basic Organic Chemistry**

Which functional group is found in esters?

- A. $-\text{NH}_2$
- B. $-\text{COO}-$
- C. $-\text{OH}$
- D. $-\text{COOH}$

**Q3 Classification of Organisms**

Three microbes were classified together, but DNA sequencing shows two have closer genetic material. Which classification change could this finding suggest?

- A. Grouping by habitat similarities
- B. Maintaining previous grouping
- C. Ignoring genetic information
- D. Reassignment based on DNA similarities

**Q4 Current Electricity (Ohm's Law, Circuits)**

Which expression correctly represents the commercial unit of electrical energy in terms of joules?

- A. 1 kilowatt hour = 360 joules
- B. 1 kilowatt hour = 1.6×10^6 joules
- C. 1 kilowatt hour = 1000 joules
- D. 1 kilowatt hour = 3.6×10^6 joules

**Q5 Current Electricity (Ohm's Law, Circuits)**

A technician needs to design a circuit where removing one device does not interrupt the operation of others. Which resistor arrangement should the technician choose?

- A. The technician should use a series combination of resistors.
- B. The technician should connect resistors in a random arrangement.
- C. The technician should use a series-parallel mixed combination of resistors.
- D. The technician should use a parallel combination of resistors.

**Q6 Digestive System**

What protects the stomach lining from damage by its own acid under normal conditions?

- A. Pepsin release
- B. Mucus secretion
- C. Acid increase
- D. Saliva entry

**Q7 Ecosystem & Food Chain**

Which of the following organisms break down complex organic substances from dead organisms into simple inorganic substances?

- A. Decomposers
- B. Herbivores
- C. Autotrophs
- D. Parasites

**Q8 Five Kingdom Classification**

During an algal bloom, dominant species are single-celled organisms with a nucleus that can photosynthesize and ingest food. Which organism is most likely responsible?

- A. Euglena-like protists
- B. Amoeba
- C. Bacteria
- D. Cyanobacteria



Q9 Five Kingdom Classification

In which of the following organisms are pseudopodia used for capturing the food?

A. Amoeba



B. Hydra

C. Paramecium

D. Euglena

Q10 Hydrocarbons (Methane, Ethane, etc.)

Why do higher homologues of alkanes produce multiple products when they react with chlorine in a substitution reaction?

A. Chlorine is unstable in nature

B. Alkanes are aromatic

C. Chlorine replaces hydrogen at different position



D. Hydrogen atoms are absent

Q11 Important Salts & Their Uses

Which gas released from bleaching powder is primarily responsible for its bleaching and disinfecting action?

A. Oxygen (O_2)

B. Hydrogen chloride (HCl)

C. Carbon dioxide (CO_2)

D. Chlorine (Cl_2)



Q12 Mechanics

For a car moving with accelerated motion, the distance-time graph is:

A. Vertical line

B. Non-linear curve



C. Horizontal line

D. Straight line

Q13 Mechanics

Two objects, P and Q, move with uniform speeds. The distance-time graph of P is steeper than that of Q. What does this indicate?

A. Both have equal speed

B. P has lower speed than Q

C. P is accelerating

D. P has greater speed than Q



Q14 Mirrors & Lenses

A student places an object at 90 cm from a concave mirror and finds the image at 45 cm in front of the mirror. What will be the distance between the pole and the principal focus of this mirror?

A. 45 cm

B. 30 cm



C. 22.5 cm

D. 60 cm

Q15 Mirrors & Lenses

A student observes that when an object is placed at 15 cm from a mirror, the image is formed at 30 cm on the same side. What is the focal length of the mirror?

A. -5 cm

B. -12 cm

C. -10 cm



D. -8 cm

Q16 Mixtures, Solutions, Colloids

Which of the following is a heterogenous mixture?

A. Sand and Iron fillings



B. Vinegar

C. Air

D. Salt solution

Q17 Oxidation & Reduction (Redox)

Which change correctly represents oxidation in a chemical reaction?

A. Exchange of ions between compounds

B. Removal of oxygen from a compound

C. Formation of salt and water

D. Addition of oxygen to a substance



Q18 Periodic Table & Classification

The element with the symbol K is:

A. Phosphorous

B. Potassium



C. Krypton

D. Palladium



Q19 Physical & Chemical Properties

What happens at the anode during anodising?

- A. Nitrogen gas reacts with aluminium to form oxide
- B. Carbon dioxide reacts with aluminium to form oxide
- C. Oxygen gas reacts with aluminium to form oxide ✓
- D. Hydrogen gas reacts with aluminium to form oxide

Q20 Plant Tissues & Transport

Complete the analogy.

Parenchyma: Large intercellular spaces:: Sclerenchyma:

- A. Large air cavities
- B. Living cells
- C. No internal space ✓
- D. Thin cellulose walls

Q21 Plant Tissues & Transport

Which of the following characteristics are true for the cells of meristematic tissue?

- A. Very active, prominent nuclei, light cytoplasm and thin cellulose walls
- B. Very active, prominent nuclei, light cytoplasm and thick cellulose walls
- C. Very active, prominent nuclei, dense cytoplasm and thick cellulose walls
- D. Very active, prominent nuclei, dense cytoplasm and thin cellulose walls ✓

Q22 Plant Tissues & Transport

Why are xylem and phloem described as independently organised conducting tubes in plants?

- A. They transport different substances separately. ✓
- B. They act as one type of tissue in all plants
- C. They share a single pathway for all transport needs
- D. They perform identical functions in tandem

Q23 Reflection & Refraction

What is the primary reason stars appear to twinkle in the night sky as seen from Earth?

- A. The light from stars is refracted by varying atmospheric layers ✓
- B. Stars are closer to the Earth than planets
- C. The Earth rotates causing starlight to flicker
- D. Stars emit light at varying intensities

Q24 Work, Energy & Power

A roller coaster car of mass 500 kg moves down a steep track, converting its potential energy into kinetic energy. At the lowest point, it is moving at 20 m/s. If the car encounters a section with friction that removes 30,000 J of energy, what is its new speed, assuming no other forces act?

- A. ≈ 20 m/s
- B. ≈ 15 m/s
- C. ≈ 10 m/s
- D. ≈ 18 m/s ✓

Q25 Work, Energy & Power

If you lift a book and place it on a shelf, what happens to its energy?

- A. Its potential energy increases ✓
- B. It loses all energy
- C. Its thermal energy increases
- D. It gains kinetic energy

Mathematics

25 Questions • Answer Key

Q26 Annual Compounding

What is the compound interest on ₹1,500 at 12% per annum (compounded annually) for 3 years? (Rounded off to the nearest integer)

- A. ₹605
- B. ₹612
- C. ₹610
- D. ₹607 ✓

Q27 Basic TSD

Kaushal travelled for 14 hours 28 minutes at the speed of 90 km/h. At what speed (in km/h) should he travel to cover the same distance in 7 hours?

- A. 186 ✓
- B. 184
- C. 187
- D. 185



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Q28 Curved Surface Area

A building has 8 cylindrical pillars, each with a radius of 3 m and a height of 14 m. The curved surface of each pillar is to be painted at a cost of ₹25 per square metre. Find the total cost of painting all 8 pillars. (Use $\pi = 22/7$)

A. ₹41,485

B. ₹60,600

C. ₹47,142

D. ₹52,800

**Q29 Diagonal of Cube/Cuboid**

A room is 10 meters long, 8 meters broad, and 6 meters high. The length of the longest bamboo pole that can be placed in it is (approximately):

A. 14.14 meters



B. 16.16 meters

C. 12.46 meters

D. 10.12 meters

Q30 Dividing Quantity in Ratio

If the ratio of two numbers is 4 : 7 and their sum is 33, what is the smaller number?

A. 16

B. 24

C. 20

D. 12

**Q31 Find SI**

Find the simple interest (in ₹) if a sum of ₹550 is borrowed for 3.5 years at 20% per annum rate of interest.

A. 365

B. 385



C. 435

D. 485

Q32 Finding Ratio

A shopkeeper mixes two varieties of rice costing ₹40 per kg and ₹60 per kg to get a mixture worth ₹50 per kg. In what ratio did he mix the two varieties of rice?

A. 1:1



B. 1:2

C. 2:1

D. 3:2

Q33 HCF/LCM Word Problems

The HCF of two numbers is 18 and their LCM is 540. If one number is 90, find the other number.

A. 108



B. 96

C. 54

D. 120

Q34 HCF/LCM Word Problems

Three numbers are in the ratio 4 : 5 : 6 and their HCF is 13. Find their LCM.

A. 686

B. 1080

C. 780



D. 960

Q35 Half-Yearly Compounding

A bank offers 9.2% compound interest per annum, calculated on a half-yearly basis. A customer deposits ₹5449 each on 1 January and 1 July of a particular year. At the end of the year, the amount he would have gained by way of interest is _____.

(Round off the answer to the nearest paise.)

A. ₹763.49



B. ₹759.40

C. ₹755.50

D. ₹749.52

Q36 Mean Proportional

The mean proportional between two numbers is 42. If one of the numbers is 31, find the other number. (Round to the nearest whole number).

A. 57



B. 55

C. 56

D. 58

Q37 Multiple Pipes

Pipe A can fill a tank in 6 hours, pipe B can fill the same tank in 30 hours and pipe C can fill the same tank in 20 hours. The time taken (in hours) by them to fill one-fourth of the same tank if they operate together is:

A. 1



B. 3

C. 2

D. 4



Q38 Percentage Increase/Decrease

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

- A. Decrease by 18%
- B. Increase by 24%
- C. Decrease by 15%
- D. Increase by 20% ✓

Q39 Profit/Loss Percentage

A manufacturer fixes his selling price at 72% above the cost of production. If the cost of production increases by 50% and the manufacturer raises his selling price by 50%, find the new profit percentage.

- A. 75%
- B. 71%
- C. 69%
- D. 72% ✓

Q40 Rules for 7,8,9,11

What is the value that must be assigned to A so that the 8-digit number 541A4888 is divisible by 9?

- A. 9
- B. 2
- C. 7 ✓
- D. 1

Q41 Sector Area & Arc Length

Find the area of the sector of a circle of radius 9 cm, if the corresponding arc length is 6.3 cm.

- A. 28.35 cm² ✓
- B. 29.15 cm²
- C. 27.95 cm²
- D. 30.05 cm²

Q42 Single Change

The profit of a company is increased from ₹11,10,000 to ₹13,10,000 in one year. Calculate the percentage increase in the profit of the company (rounded off to two decimal places).

- A. 18.26%
- B. 18.02% ✓
- C. 18.12%
- D. 18.47%

Q43 Successive Discount

The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 68% and 24%, shop II allows successive discounts of 37% and 55%, shop III allows successive discounts of 89% and 10% and shop IV allows successive discounts of 41%, 90% and 48% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

- A. I
- B. IV ✓
- C. III
- D. II

Q44 Train Problems

A 200-meter long train running at 72 km/hr crosses another 250-meter long train running in the opposite direction in 9 seconds. How long will the second train take to cross a 350-meter long platform?

- A. 20 seconds ✓
- B. 15 seconds
- C. 19 seconds
- D. 18 seconds

Q45 Two Persons Age Relation

7 years ago, Saumya was twice as old as Isha. Five years from now, the sum of their ages will be 66. Find the present age of Isha.

- A. 25 years
- B. 20 years
- C. 28 years
- D. 21 years ✓

Q46 $\sin^2\theta + \cos^2\theta = 1$

If $3\cos^2\theta + 7\sin^2\theta = 6$, then find the value of $\sec\theta$, given that θ is an acute angle.

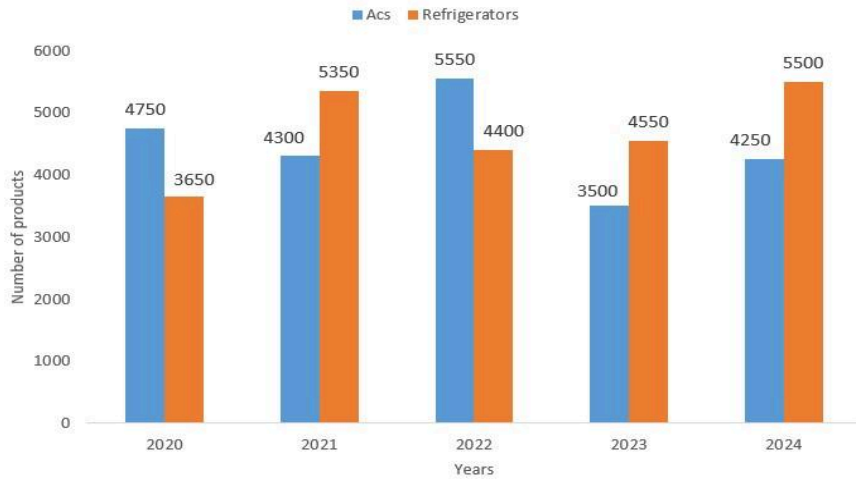
- A. 2 ✓
- B. 0
- C. 1
- D. 3



Q47 Comparative Analysis

Study the following bar diagram carefully and answer the following question.

The bar graph shows the production of electronic items (ACs and Refrigerators) in a factory during the period from 2020 to 2024.



The difference between averages of production of Refrigerators and ACs from 2021 to 2024 is:

A. 220

B. 440

C. 550



D. 330

Q48 Grouped Data Mode

Heights (in cm) of 50 children are shown in the table below. Find the mode (in cm) of the data.

Height	50-60	60-70	70-80	80-90
Number of children	12	20	8	10

A. 64



B. 58.5

C. 60

D. 67.5

Q49 Mean of Grouped Data

What is the value of $(9x + 2y)$, if the mean of the following distribution is 68?

Class	0-20	20-40	40-60	60-80	80-100	Total
Frequency	4	10	x	2	y	60

A. 138

B. 151



C. 137

D. 156



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Q50 $\sec^2 - \tan^2 = 1$

Simplify: $\left(\frac{\tan A + \sec A - 1}{\tan A - \sec A + 1} \right)$

- A. $\tan A + \operatorname{cosec} A$
- B. $\tan A - \sec A$
- C. $\tan A + \sec A$
- D. $\tan A - \operatorname{cosec} A$



General Intelligence & Reasoning

30 Questions • Answer Key

Q51 Basic Direction

Town B is to the west of Town X. Town C is to the east of Town X. Town D is to the south of Town C. Town C is to the west of Town A.

What is the position of Town X with respect to Town A?

- A. West
- B. East
- C. South
- D. North



Q52 Facing Center

Seven students, I, J, K, P, Q, R and Z, are sitting around a circular table, facing the center of the table.

R sits third to the left of I. Z sits to the immediate left of I. P sits to the immediate left of J. J sits second to the left of K. Who sits second to the right of Q?

- A. P
- B. K
- C. J
- D. R



Q53 Floor/Building Arrangement

A, B, C, D, S and T live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6. D lives on floor number 5. B lives on a floor above D. Only C lives below T. S lives on an even numbered floor. How many people live below A?

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



Q54 Floor/Building Arrangement

Seven boxes I, J, K, Q, R, S and T are kept one over the other but not necessarily in the same order. Only four boxes are kept above T. Only three boxes are kept between Q and T. Only one box is kept between I and K. K is kept immediately above T. Only four boxes are kept between I and S. J is kept at some place above R. Which box is kept second below J?

- A. T
- B. R
- C. I
- D. K



Q55 Group Pattern

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

EAW BXT YUQ VRN ?

- A. SER
- B. SOP
- C. SOK
- D. SLO



Q56 Letter Analogy

JK 6 is related to LG -3 in a certain way. In the same way, HI 8 is related to JE -1. To which of the following is ST 10 related, following the same logic?

- A. UP 1
- B. RU 2
- C. RD 4
- D. KI 3



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Q57 Letter Analogy

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

LH-NJ-PQ
OK-QM-ST

A. RN-TP-VW



B. SN-TP-VX

C. SN-TO-VX

D. RN-TP-VX

Q58 Letter Analogy

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.

STY : WWW
BQX : FTV

A. PSG : TVE



B. QMQ : UPN

C. LFP : PIM

D. SWT : WYR

Q59 Letter Series

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

(Left) P H E D L B J E A E H I A Z E E I Q A A I W (Right)

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

A. 1

B. 3

C. 2



D. 4

Q60 Missing Number

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

48 63 78 95 112 131 ?

A. 150



B. 146

C. 154

D. 158

Q61 Operation Based

9 is related to 32 following a certain logic. Following the same logic, 18 is related to 59. To which of the following is 12 related, following the same logic?

(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, 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.)

A. 26

B. 41



C. 44

D. 53

Q62 Operation Based

Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, a certain mathematical operation on the second number results in the third number, and so on. Which of the given options follows the same set of operations as in the question? (NOTE: A two/three digit number cannot be broken into individual digits for operations. E.g. if 37 is followed by 10, the operation cannot be 3+7 as a two-digit number cannot be broken into individual digits.)

122 - 976 - 244 ; 119 - 952 - 238

A. 101- 808 - 302

B. 112 - 896 - 298

C. 187 - 996 - 442

D. 107 - 856 - 214

**Q63 Operation Based Coding**

In a certain code language, "JUMOC" is coded as "15" and "QYATXZR" is coded as "21". What is the code for "VTGZXAIW" in that language?

A. 29

B. 21

C. 24



D. 30



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Q64 Operation Based Coding

If 1 is added to each odd digit and 1 is subtracted from each even digit in the number 518624, what will be the difference between the last and first digits from right in the number thus formed?

A. 1

B. 3



C. 4

D. 5

Q65 Position Pattern

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. JMO

B. HKM

C. NQS

D. MQR

**Q66 Position Pattern**

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the 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. DCX



B. VTP

C. HFB

D. CAW

Q67 Position from Left/Right

In a row of 66 students facing the north, Nidhi's position is 18th from the left end and Sonu's position is 28th from the right end. How many students are sitting between Nidhi and Sonu?

A. 19

B. 20



C. 22

D. 21

Q68 Rearrangement of Letters

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

A. 12

B. 14

C. 17



D. 13

Q69 Rearrangement of Letters

Each of the digits in the number 7942586 is arranged in ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

A. Three

B. Two

C. One



D. None

Q70 Rearrangement of Letters

Each of the digits in the number 7129865 is arranged in ascending order from left to right. What will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

A. 10



B. 6

C. 8

D. 12

Q71 Shifting Pattern (+1, +2, etc.)

This question is based on the given words.

KIT BUY HEN TEN

In each of the words, each vowel 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 letter-clusters thus formed will have at least two vowels?

A. Two

B. One

C. Three

D. None



Q72 Shifting Pattern (+1, +2, etc.)

This question is based on the following words.

RAY DUE AMP DOF

In each of the words, each vowel is changed to the letter immediately preceding it in the English alphabetical order and each consonant is changed to the letter immediately following it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

A. Two



B. Three

C. One

D. Four

Q73 Shifting Pattern (+1, +2, etc.)

Each vowel in the word CAPTURE 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. 3

B. 1



C. 2

D. 0

Q74 Single Row (One-way/Both-way)

Seven people, P, Q, S, T, U, V, and W, are sitting in a row, all facing north. Only V sits to the left of W. There are exactly four people between V and P. Only Q sits between S and U, and S is not an immediate neighbour of P. Based on the given information, who is sitting at the extreme right end of the row?

A. S

B. T



C. P

D. W

Q75 Symbol Based

In a certain code language,

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

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

A - B means 'A is the wife of B', and

A # B means 'A is the father of B'.

Based on the above, how is D related to G if 'D + Y - R # B @ G'?

A. Mother

B. Wife

C. Daughter

D. Sister

**Q76 Symbol Based**

In a certain code language,

A @ B means 'A is the mother of B'

A # B means 'A is the brother of B'

A \$ B means 'A is the wife of B'

A % B means 'A is the father of B'.

How is Suzy related to Brit if 'Suzy @ Alex % Kabir # George \$ Brit'?

A. Wife's mother's mother

B. Wife's mother's sister

C. Wife's father's mother



D. Wife's father's sister

Q77 Symbol Included Pattern

Refer to the given letter, number and symbol series and answer the question that follows. All numbers are single-digit numbers only.

(Left) A 4 & P % 7 @ 8 T 6 & K 2 R 5 # 3 E Ω C D (Right)

If all the numbers are dropped from the series, which of the following will be seventh from the right?

A. R

B. T

C. K



D. #

Q78 Symbol Included Pattern

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

(Left) W U C C U ^ * H / J + / # U Q # J V D T K (Right)

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

A. Two



B. Four

C. One

D. Three



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Q79 Two Statement Syllogism

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

Statements:

All phones are jugs.
Some phones are caps.

Conclusions:

- (I) Some jugs are caps.
(II) All caps are phones.

A. Only conclusion (I) follows



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

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

D. Only conclusion (II) follows

Q80 Two Statement Syllogism

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

Statements:

All blankets are feathers.
No feather is a light.

Conclusions:

- (I) No blanket is a light.
(II) Some lights are feathers.

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

B. Only conclusion (I) follows



C. Only conclusion (II) follows

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

General Awareness**20 Questions • Answer Key****Q81 Civilian Awards**

In the Padma Awards 2026, which of the following eminent cultural figures from Assam was awarded the Padma Shri for exceptional contributions to the classical Sattriya dance and music tradition?

A. Shri Nuruddin Ahmed

B. Shri Sangyusang S. Pongener

C. Shri Haricharan Saikia



D. Shri Jogesh Deuri

Q82 Constitutional Posts

Which individual began their first tenure as a Speaker of the West Bengal Legislative Assembly in 2026?

A. Tapas Roy

B. Rathindra Basu



C. Suvendu Adhikari

D. Shovondeb Chattopadhyay

Q83 Corporate & Organizational Heads

Which of the following Senior scientists took over as the new director of the Vikram Sarabhai Space Centre in August 2025?

A. V Narayanan

B. S Unnikrishnan Nair

C. A Rajarajan



D. B K Das

Q84 Defense & Technology

Which of the following was the primary objective of the Military Quantum Mission Policy Framework released by the Indian Defence establishment in late 2025?

A. To establish quantum technology incubation centres for civilian start-ups in major Indian cities

B. Upgrade missile guidance systems with imported AI systems

C. To integrate quantum communication, computing, sensing, and metrology across all three services



D. To launch a constellation of quantum satellites exclusively for the Indian Space Research Organisation (ISRO)

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Q85 Individual Records

At what age did Vaibhav Sooryavanshi achieve the record for scoring over 500 runs in a single IPL season?

- A. 18 years
- B. 17 years
- C. 15 years
- D. 16 years

Q86 Individual Records

Which Indian sprinter became the first Indian to run the 100 metres under 10.1 seconds at the 2026 Athletics Federation Cup in Ranchi?

- A. Gurindervir Singh
- B. Amlan Borgohain
- C. Manikanta Hoblidhar
- D. Muhammed Anas

Q87 International Current Affairs

The Gulfood 2026 exhibition, recognised as the world's largest annual food and beverage event, was organised simultaneously across which two venues in Dubai?

- A. Dubai Trade Centre Arena and Jebel Ali Convention Centre
- B. Dubai World Trade Centre and Dubai Exhibition Centre at Expo City Dubai
- C. Dubai International Convention Centre and Abu Dhabi National Exhibition Centre
- D. Expo City Dubai and Sharjah Expo Centre

Q88 National Current Affairs

In which of the following cities was the Bharat Electricity Summit organized in March 2026?

- A. Bengaluru
- B. Mumbai
- C. New Delhi
- D. Hyderabad

Q89 National Parks & Sanctuaries

Amrabad Tiger Reserve, which was in the news in April 2026 for the rehabilitation of tribal families, is located in which Indian state?

- A. Andhra Pradesh
- B. Maharashtra
- C. Karnataka
- D. Telangana

Q90 New Apps & Portals

At the Chintan Shivir held in Chandigarh from 24 to 26 April 2026, which mobile application was launched under the SMILE-Beggary Sub-Scheme to enable real-time digital collection of survey data and improve monitoring?

- A. SMILE-Beggary Survey Mobile Application
- B. SMILE-Rehabilitation Monitoring App
- C. SUGAM Welfare Tracking Portal
- D. SAMARTH Social Survey App

Q91 New Schemes & Programs

In May 2026, ICMR and ICAR jointly launched which national mission-mode programme to strengthen the convergence of agriculture, nutrition, and public health in India?

- A. POSHAN – Public Outreach for Sustainable Health and Nutrition
- B. KRISHI – Knowledge Reform Initiative for Sustainable Human Immunity
- C. AROGYA – Agricultural Research for Organic Growth and Youth Advancement
- D. SEHAT – Science Excellence for Health through Agricultural Transformation

Q92 New Schemes & Programs

Under the new 'Viksit Bharat G RAM G Act' commencing in July 2026, how many days of annual wage employment are legally guaranteed to rural households?

- A. 150 days
- B. 125 days
- C. 100 days
- D. 90 days

Q93 New Schemes & Programs

Which of the following states launched the 'Mukhyamantri Gramothan Yojana' in January, 2026?

- A. Madhya Pradesh
- B. Gujarat
- C. Rajasthan
- D. Uttar Pradesh



Q94 New Schemes & Programs

Which of the following initiatives was launched by the Union Ministry of Health and Family Welfare on 17 February 2026?

- A. Universal Health Coverage Program
- B. National Digital Health Mission
- C. National Immunization Drive

D. Strategy for AI in Healthcare in India (SAHI) ✓

Q95 Recent Tournaments

Carlos Alcaraz won the 2026 Australian Open men's singles title — simultaneously completing the youngest-ever Career Grand Slam in men's tennis — by defeating which opponent in the final?

- A. Taylor Fritz
- B. Jannik Sinner

C. Novak Djokovic ✓

D. Daniil Medvedev

Q96 Recent Tournaments

The World Athletics Relays 2026, which had started in Gaborone in May 2026, was hosted by which country?

- A. South Africa
- B. Namibia
- C. Kenya

D. Botswana ✓

Q97 Species Conservation

In March 2026, the birth of cheetah cubs in India was reported from which national park?

- A. Jim Corbett National Park
- B. Kuno National Park ✓
- C. Ranthambore National Park

D. Kanha National Park

Q98 Species Conservation

Which national park hosted the 'Lion' Species Spotlight Programme inaugurated by Union Environment Minister Bhupender Yadav ahead of the International Big Cat Alliance Summit 2026?

- A. Bandipur National Park
- B. Ranthambore National Park
- C. Kanha National Park

D. Gir National Park ✓

Q99 Treaties & Agreements

India signed the Rules of Procedure for overseeing the implementation of bilateral defence cooperation during the inaugural Joint Commission meeting held in New Delhi in May 2026 with which country?

- A. Tunisia
- B. Morocco

C. Algeria ✓

D. Egypt

Q100 Treaties & Agreements

Which Indian organisation had signed the Record of Discussions with the Japan International Cooperation Agency (JICA) for Phase II of Japan-India Cooperative Actions towards Sustainable Development Goals (SDGs) in March 2026?

- A. Centre of Development of Telematics (C-DOT)
- B. Indian Space Research Organisation
- C. Border Roads Organisation (BRO)

D. NITI Aayog ✓



General Science

25 Questions • Answer Key

Q1 Atomic Structure & Models

The mass number of an atom represents the total count of which particles present within its nucleus?

- A. electrons and neutrons
- B. protons and electrons
- C. protons only
- D. protons and neutrons



Q2 Basic Organic Chemistry

Which of the following statements about ethanol is CORRECT?

- A. Ethanol does not mix with water at all.
- B. Ethanol burns with a clear blue flame, producing carbon dioxide and water.
- C. Ethanol is a colorless, odourless liquid that does not evaporate easily.
- D. Ethanol reacts with baking soda to release hydrogen gas.



Q3 Carbon & Its Compounds

Imagine a region with abundant ancient plant remains, frequent earthquakes, and thick rock layers. Which fossil fuel is most likely to be found there and why?

- A. No fossil fuels, because biomass cannot decay underground
- B. Coal, because these conditions favor coal formation from ancient plants
- C. Oil, because these conditions favor oil formation from sea animals
- D. Natural gas, because these conditions favor gas formation from volcanic activity



Q4 Chemical Bonding (Ionic, Covalent)

What is the valency of oxygen in MgO ?

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



Q5 Classification of Organisms

A taxonomist examines DNA sequences of two bacteria and finds high similarity. Based on current classification principles, which relationship does this suggest between them?

- A. They likely share a common ancestry
- B. They belong to different domains
- C. They are unrelated
- D. They occupy same ecological niche



Q6 Ecosystem & Food Chain

Increase in concentration of harmful chemicals progressively through the trophic levels is called ____.

- A. Recycling
- B. Decomposition
- C. Pollution
- D. Biomagnification



Q7 Ecosystem & Food Chain

In an ecosystem, the organisms that recycle nutrients by breaking down dead matter are called:

- A. Consumers
- B. Herbivores
- C. Producers
- D. Decomposers



Q8 Five Kingdom Classification

How does Paramecium ensure that food particles are directed to its intake spot?

- A. Forms pseudopodia to engulf food
- B. Releases enzymes to move food particles
- C. Uses movement of cilia covering the cell surface
- D. Utilises contractile vacuoles for food transport



Q9 Magnetic Effects of Current

A student wants to use the Right Hand Thumb Rule to determine the direction of the magnetic field around a current-carrying straight conductor. Which of the following steps is essential in applying the rule correctly?

- A. Align the thumb with the magnetic field
- B. Use the left hand for orientation
- C. Point the thumb in the direction of current ✓
- D. Wrap fingers in the direction of the conductor

Q10 Magnetic Effects of Current

Why are magnetic field lines due to current in a straight conductor denser near the wire and farther apart as distance increases?

- A. Because of interference from external magnets only
- B. Because the magnetic field becomes uniform farther away
- C. Because magnetic field strength decreases with increasing distance from the wire ✓
- D. Because the current in the wire decreases with distance

Q11 Mechanics

Which feature of a velocity-time graph for uniform acceleration determines the value of acceleration?

- A. The slope of the velocity-time graph ✓
- B. The area under the velocity-time graph
- C. The maximum value on the velocity axis
- D. The intercept on the velocity axis

Q12 Mirrors & Lenses

A 3 cm tall object is placed 9 cm in front of a concave lens with focal length 6 cm. What is the approximate height of the image formed?

- A. 4 cm and upright
- B. 1 cm and inverted
- C. 1.2 cm and upright ✓
- D. 3 cm and inverted

Q13 Mirrors & Lenses

A convex lens forms a real, inverted image of an object placed at a distance of 30 cm from the lens. The image is found to be formed at a distance of 60 cm on the other side of the lens. What is the focal length of the lens?

- A. 12 cm
- B. 18 cm
- C. 15 cm
- D. 20 cm ✓

Q14 Mixtures, Solutions, Colloids

Which of the following is NOT a heterogeneous mixture?

- A. Alcohol and water ✓
- B. Lemonade (with pulp)
- C. Iron filings and sulphur
- D. Soil

Q15 Newton's Laws of Motion

During the firing of a gun, the bullet moves forward while the gun recoils backward. Which option correctly identifies the action and the corresponding reaction in this situation?

- A. The gun and bullet both move because the trigger is pulled, not because of action-reaction forces.
- B. The bullet pushes the gun forward, and the gun pushes the bullet backward.
- C. The gun exerts a forward force on the bullet; the bullet exerts an equal backward force on the gun. ✓
- D. The bullet moves forward due to gunpowder only, and the gun moves backward due to its own weight.

Q16 Plant Tissues & Transport

Which of the following best describes the role of apical meristems?

- A. Drive lengthwise growth at the tips of roots and shoots. ✓
- B. Increase the diameter of stems and roots.
- C. Form only in mature tissues after the plant has fully grown.
- D. Store nutrients in parenchyma



Q17 Properties & Tests

Read the following statements carefully and choose the CORRECT option:

Statement I: Neutralisation reactions always produce salt, water, and hydrogen gas.

Statement II: Neutralisation reaction is a type of double displacement reaction.

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

Q18 Reactivity Series

Why are few metals NOT found in their native state of nature?

- A. Because they are soluble in nature.
- B. Because they have high reactivity.
- C. Because they are high density.
- D. Because they have low melting points.

Q19 Reflection & Refraction

If the refractive index of medium 2 with respect to medium 1 is n_{21} , which formula correctly represents n_{21} ?

- A. $n_{21} = \text{Speed of light in medium 2 divided by speed of light in medium 1.}$
- B. $n_{21} = \text{Speed of light in medium 2 minus speed of light in medium 1.}$
- C. $n_{21} = \text{Speed of light in medium 1 divided by speed of light in medium 2.}$
- D. $n_{21} = \text{Speed of light in medium 1 minus speed of light in medium 2.}$

Q20 Respiratory System

Which product is commonly formed during anaerobic respiration in animals?

- A. Lactic acid
- B. Oxygen
- C. Alcohol
- D. Glucose

Q21 Skeletal & Muscular System

Muscular tissue is responsible for all movement in our body and consists of elongated cells which are also commonly referred to as _____.

- A. Muscle fibres
- B. Neurons
- C. Epithelial cells
- D. Cartilage cells

Q22 Types (Combination, Decomposition, etc.)

A chemist mixes two colorless aqueous solutions X and Y. A white precipitate Z forms instantly. Later, analysis shows Z is insoluble calcium carbonate.

Which pair of solutions was most likely used?

- A. ZnSO_4 and FeCl_2
- B. Na_2CO_3 and CaCl_2
- C. HCl and NaOH
- D. NaCl and KNO_3

Q23 Winds & Pressure Belts

A weather report for a Himalayan town mentions wind direction reversal every evening, affecting local farming. Which atmospheric phenomenon is primarily responsible for this reversal?

- A. Constant high-pressure wind flow
- B. Daily cycle of valley and mountain breezes
- C. Movement of global wind belts
- D. Onset of monsoon winds

Q24 Work, Energy & Power

Which of the following is NOT true about simple machines?

- A. They reduce total work done in all cases
- B. They can change the direction of force
- C. They can reduce the effort required
- D. They make tasks more convenient



Q25 Work, Energy & Power

A worker performs a task. Which of the following statements about power are correct?

1. If work remains constant and time increases, power decreases.
2. If time remains constant and work increases, power increases.
3. Power is directly proportional to work done.
4. Power is inversely proportional to time taken.

A. 1, 2, 3 and 4



B. 1, 2 and 3 only

C. 2 and 4 only

D. 1, 3 and 4 only

Mathematics

25 Questions • Answer Key

Q26 2-Year Difference

If the difference between compound interest (compounded annually) and simple interest for a sum at 5% per annum for 2 years is ₹5, what is the sum (in ₹)?

A. 2,500

B. 1,000

C. 2,000



D. 1,500

Q27 Basic Application

The hypotenuse of a right-angled triangle is 46 cm and the difference of other two sides is 26 cm. Then, the area of the triangle is:

A. 299 cm²

B. 720 cm²

C. 598 cm²

D. 360 cm²

**Q28 Cost with Overhead Expenses**

Arvind bought an article for ₹x. He sold it to Biru at a loss of 25%. Biru spent ₹183 on its transportation and sold it to Minu at a profit of 45%. If Minu bought it for ₹1,479, then what is the value of x?

A. 1,116



B. 1,079

C. 1,092

D. 1,067

Q29 Family Age Problems

Three years ago, Mr. Sohan Lal was four times as old as his grandson. In eight years, his age will be thrice that of his grandson. Find the present age of Mr. Sohan Lal.

A. 95 years

B. 85 years

C. 78 years

D. 91 years

**Q30 Find SI**

Find the simple interest (in ₹) if a sum of ₹550 is borrowed for 3.5 years at 8% per annum rate of interest.

A. 154



B. 204

C. 134

D. 254

Q31 Half-Yearly Compounding

A sum of money earns interest at a rate of 20% per annum, compounded half-yearly. An amount of ₹8,000 is invested on 1 January and another of ₹4,500 is invested on 1 July of the same year. Find the total interest earned at the end of the year.

A. ₹2,280

B. ₹2,250

C. ₹2,130



D. ₹2,190



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Q32 Mean Proportional

If the mean proportional between two numbers is 12 and one of the numbers is 8, what is the other number?

A. 18



B. 36

C. 9

D. 24

Q33 Median

The mean and the mode of a set of data are 62 and 43.6, respectively. Find the median of the data, using the empirical formula. (Round off to one decimal place)

A. 56.9

B. 55.4

C. 56.1

D. 55.9

**Q34 Multiple Pipes**

Pipe A can fill a tank in 6 hours, pipe B can fill the same tank in 48 hours and pipe C can fill the same tank in 16 hours. The time taken (in hours) by them to fill one-fourth of the same tank if they operate together is:

A. 3

B. 1



C. 4

D. 2

Q35 Percentage Increase/Decrease

Anita saves $y\%$ of her income. If her income increases by 30% and her expenditure increases by 20%, her savings increase by 40%. What is the value of y ?

A. 50



B. 43

C. 42

D. 48

Q36 Percentage Increase/Decrease

Raman's income is ₹50,400, and he saves 7.5% of it. If his income increases by 26% and his expenditure increases by 20%, then by how much percent will his savings increase?

A. 100%



B. 50%

C. 125%

D. 75%

Q37 Properties

In a parallelogram ABCD, the diagonals intersect at O. $\angle BCA = 38^\circ$ and $\angle CAB = 27^\circ$. Find $\angle AOD$ if $\angle ADO : \angle CDO = 2 : 3$.

A. 86°

B. 102°

C. 96°



D. 92°

Q38 Replacement of Mixture

A chemist has 90 liters of a solution with alcohol and water in the ratio 1:2. How much water must be removed and replaced with alcohol to make the ratio 2:3?

A. 6 liters



B. 9 liters

C. 7 liters

D. 5 liters

Q39 Rules for 2,3,4,5,6

What is the least value that must be assigned to A so that the 8-digit number 910A3076 is divisible by 6?

A. 1



B. 6

C. 5

D. 4

Q40 Simple Ratio Partnership

Three partners, A, B, and C, invest ₹25,000, ₹35,000, and ₹60,000, respectively. If the total profit is ₹66,000, what is the share of C?

A. ₹33,000



B. ₹37,000

C. ₹39,000

D. ₹35,000

Q41 Sphere & Hemisphere

If the surface areas of two spheres are in the ratio 900 : 1089, then the ratio of their volumes is ____.

A. 1000 : 1331



B. 1000 : 1223

C. 125 : 137

D. 125 : 591



Q42 Successive Discount

The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 63% and 42%, shop II allows successive discounts of 43% and 88%, shop III allows successive discounts of 52% and 34% and shop IV allows successive discounts of 33%, 61% and 51% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

A. IV

B. I

C. III

D. II

**Q43 Two Trains Crossing**

Two trains are travelling in opposite directions at 108 km/h and 90 km/h. If the length of the faster train is 550 metres, then find the time taken by the faster train to cross a man standing in the slower train.

A. 15 seconds

B. 12 seconds

C. 10 seconds



D. 11 seconds

Q44 Two Trains Crossing

Two 80-m and 120-m long trains are running in opposite directions at the speeds of 50 km/hr and 30 km/hr, respectively. Calculate the time taken by the trains to cross each other.

A. 8 seconds

B. 12 seconds

C. 9 seconds



D. 10 seconds

Q45 0, 30, 45, 60, 90 degrees

If $\cos\theta = \frac{1}{2}$, then $7\sec^2\theta + 3\tan^2\theta - 9$ equals to:

A. 9

B. 14

C. 28



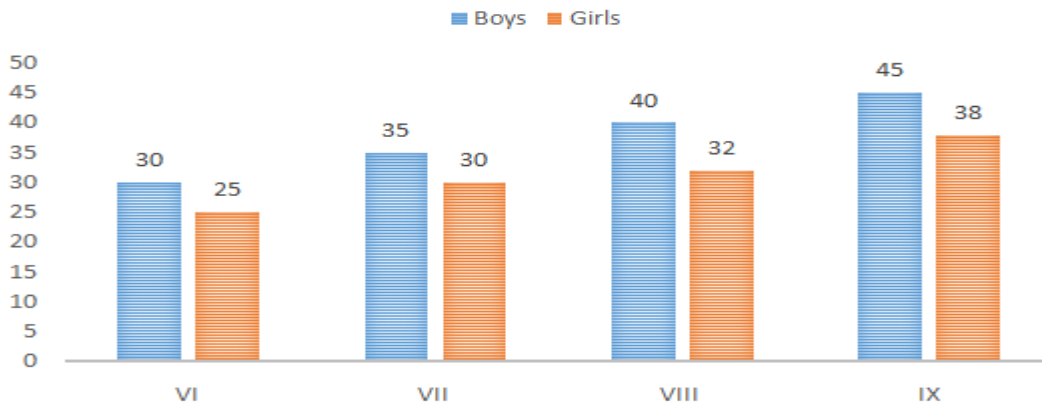
D. 31



Q46 Comparative Analysis

The given bar graph shows the number of boys and girls in different classes. If 20% of the boys and 25% of the girls from Class VIII participate in a competition, then how many students from Class VIII participate in the competition?

NUMBER OF BOYS AND GIRLS IN DIFFERENT CLASSES.



A. 16



B. 17

C. 14

D. 15

Q47 Grouped Data Median

Find the median of the following data.

Class interval	0-8	8-16	16-24	24-32	32-40	40-48
Frequency	5	7	12	8	10	13

A. 28.4

B. 26.2

C. 25.3

D. 27.5

**Q48** Index Simplification

Simplify: $\left(\frac{17a^5b^2c^4}{51a^3b^3c^4}\right) \times 9b^3$

A. $5a^2b$

B. $3a^2b^2$



C. $3ab$

D. $3ab^2$



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Q49 Reciprocal Relations

If $\sin\theta + \operatorname{cosec}\theta = \sqrt{5}$, then find the value of $\sin^3\theta + \operatorname{cosec}^3\theta$.

A. $\sqrt{5}$

B. $3\sqrt{5}$

C. $2\sqrt{5}$ ✓

D. $4\sqrt{5}$

Q50 Surds

Simplify: $(\sqrt{50} + 2\sqrt{2})^2$

A. 98 ✓

B. $78\sqrt{2}$

C. 78

D. $98\sqrt{5}$

General Intelligence & Reasoning

30 Questions • Answer Key

Q51 Day of Week Assignment

Each of P, Q, R, S, T, U and V has an exam on a different day of the same week, starting from Monday and ending on Sunday. P has an exam on Friday. Only one person has an exam between P and R. U has an exam immediately before R. Only three people have an exam between U and V. T has an exam after V but before S. When does Q have an exam?

A. Tuesday

B. Thursday

C. Monday ✓

D. Sunday

Q52 Facing Center

Seven students, I, J, K, P, Q, R and Z, are sitting around a circular table, facing the center of the table. I sits to the immediate right of Q. Only two people sit between R and P when counted from the right of R. Only three people sit between Z and K when counted from the right of K. P sits to the immediate right of K. Who sits second to the right of J?

A. P ✓

B. Q

C. I

D. K

Q53 Facing Center

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

A. 4

B. 3 ✓

C. 1

D. 2

Q54 Floor/Building Arrangement

Seven boxes I, J, K, Q, R, S and T are kept one over the other but not necessarily in the same order. Only four boxes are kept between S and Q. T is kept above S. Only two boxes are kept between I and J. K is kept immediately above R. J is not kept immediately above K. No box is kept below Q. Which box is kept fourth from the top?

A. J

B. I

C. K ✓

D. R



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Q55 Group Pattern

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

LDE JGD HJC FMB ?

A. HYT

B. DSR

C. GFR

D. DPA

**Q56 Letter Analogy**

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: GIE :: EGC : %

A. # = JLH , % = BDZ



B. # = JPH , % = BDD

C. # = JOX , % = ASZ

D. # = OBH , % = BER

Q57 Letter Analogy

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: HBO :: LIV : %

A. # = IAR, % = KJS



B. # = IAR, % = KJT

C. # = GCP, % = ILV

D. # = IAR, % = VIL

Q58 Letter Analogy

Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

CJM : EHO

GLN : IJP

A. FKM : GMO

B. BPW : DNY



C. DGL : EOH

D. CFO : EHM

Q59 Letter Series

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

(Left) V L E N H N F I N P V O Y B Z Y E W P O A A (Right)

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

A. 5



B. 6

C. 4

D. 7

Q60 Missing Number

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

72 84 93 105 114 126 ?

A. 138

B. 132

C. 141

D. 135

**Q61 Operation Based**

14 is related to 213 following a certain logic. Following the same logic, 22 is related to 333. To which of the following is 31 related, following the same logic?

(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 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.)

A. 468



B. 454

C. 436

D. 472



Q62 Operation Based

19 is related to 57 in a certain way. Following the same way, 25 is related to 75. To which of the following is 10 related, following the same logic?

(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, 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.)

A. 30



B. 34

C. 33

D. 31

Q63 Operation Based Coding

If 2 is added to each odd digit and 2 is subtracted from each even digit in the number 52183475, what will be the sum of the digits which are first from the left and first from the right in the new number thus formed?

A. 10

B. 14



C. 16

D. 12

Q64 Operator Swap

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

$$40 \div 2 + 12 \times 3 - 9 = ?$$

A. 95

B. 105

C. 85



D. 115

Q65 Operator Swap

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

$$112 - 32 \div 6 + 88 \times 11 = ?$$

A. 300

B. 291

C. 296



D. 298

Q66 Position Pattern

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. KN - GJ

B. BE - XB



C. PS - LO

D. FI - BE

Q67 Position Pattern

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. MP - PU



B. OR - NQ

C. NQ - MP

D. KN - JM

Q68 Position from Left/Right

In a row of 85 students facing the north, Nishtha's position is 25th from the left end and Vibha's position is 28th from the right end. How many students are sitting between Nishtha and Vibha?

A. 34

B. 33

C. 31

D. 32

**Q69 Rearrangement of Letters**

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

A. Two

B. None

C. Three



D. One



Q70 Rearrangement of Letters

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

A. 7

B. 9

C. 8



D. 11

Q71 Shifting Pattern (+1, +2, etc.)

This question is based on the following words:

VAN LIE JOY HEN

If in each of the words, every letter is changed to the letter immediately following it in the English alphabetical order, how many letter-clusters thus formed will have no vowels?

A. Three

B. Four

C. None

D. Two

**Q72 Shifting Pattern (+1, +2, etc.)**

This question is based on the following words.

POR MIC HAS WET

In each of the words, each vowel 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. In how many letter-clusters thus formed, will no vowel appear?

A. Four

B. Two

C. Three



D. One

Q73 Shortest Distance

Saksham starts from Point A and drives 18 km towards north. He then takes a left turn, drives 15 km, turns left and drives 21 km. He then takes a left turn and drives 17 km. He takes a final left turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified.)

A. 3 km towards west

B. 1 km towards north

C. 4 km towards east

D. 2 km towards west

**Q74 Shortest Distance**

Manohar starts from Point A and drives 16 km towards the north. He then takes a right turn, drives 6 km, turns right and drives 17 km. He then takes a right turn and drives 10 km. He takes a final right turn, drives 1 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 5 km to the east

B. 4 km to the east



C. 4 km to the west

D. 5 km to the west

Q75 Symbol Based

In a certain code language,

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

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

A - B means 'A is the wife of B', and

A # B means 'A is the father of B'.

Based on the above, how is D related to G if 'D + Y # R @ B - G'?

A. Wife's sister



B. Mother

C. Sister

D. Wife's mother

Q76 Symbol Based

In a certain code language,

A @ B means 'A is the mother of B'

A # B means 'A is the brother of B'

A \$ B means 'A is the wife of B'

A % B means 'A is the father of B'.

How is Manoj related to Wasim if 'Manoj @ Palak % Soumya \$ Jagriti # Wasim'?

A. Brother's wife's father's mother



B. Brother's wife's father's sister

C. Brother's wife's mother's sister

D. Brother's wife's mother's mother



Q77 Symbol Included Pattern

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

(Left) A \$ 3 B 7 @ M 2 % P 9 # D 4 & H 5 @ J 8 ! (Right)

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

A. One



B. None

C. Two

D. Three

Q78 Symbol Included Pattern

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

(Left) A 4 & P % 7 @ 8 T 6 & K 2 R 5 # 3 E Ω C D (Right)

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

A. Two

B. Three

C. One



D. None

Q79 Two Statement Sufficiency

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and select the appropriate answer.

Q. Among five children – A, B, C, D, and E – who is the shortest?

(I) A is shorter than B and C. B is shorter than D.

(II) A is shorter than E. B is shorter than E. C is shorter than E. D is shorter than E.

A. Data in statement II alone is sufficient to answer the question while data in statement I is not.

B. Both statements I and II together are NOT sufficient to answer the question.

C. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.



D. Data in statement I alone is sufficient to answer the question while data in statement II is not.

Q80 Word to Code Mapping

In a certain code language, 'window is closed' is coded as 'ra cy mb' and 'he is bad' is coded as 'cy tg lo'. How is 'is' coded in that language? (All the codes are two-letter codes only.)

A. lo

B. tg

C. mb

D. cy

**General Awareness**

20 Questions • Answer Key

Q81 Civilian Awards

In 2026, the state of Andhra Pradesh specially compiled the works of a legendary Carnatic composer who was posthumously awarded the Padma Shri. Which individual's spiritual and classical compositions were honored in this manner?

A. Pt. Ajay Pohankar

B. Shri Garimella Balakrishna Prasad



C. Ms. Sudha Raghunathan

D. Dr. Mandolin U. Srinivas

Q82 Constitutional Posts

Following the 2026 West Bengal Legislative Assembly Elections, who was sworn in as the first BJP Chief Minister of West Bengal on May 9, 2026?

A. Suvendu Adhikari



B. Dilip Ghosh

C. Agnimitra Paul

D. Locket Chatterjee



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Q83 Corporate & Organizational Heads

Who had assumed charge as the Deputy Governor of the Reserve Bank of India (RBI) in May 2026 for a tenure of three years following the retirement of T. Rabi Sankar?

- A. Rohit Sharma
- B. Rohit Jain
- C. Rajesh Kumar
- D. Rakesh Sinha

Q84 Defense & Technology

In December 2025, which organisation successfully tested a high-speed indigenous fighter jet escape system?

- A. Indian Space Research Organisation (ISRO)
- B. Hindustan Aeronautics Limited (HAL)
- C. Defence Research and Development Organisation (DRDO)
- D. Bharat Heavy Electricals Limited (BHEL)

Q85 Digital India Updates

In April 2026, which organization launched the strategic roadmap "DPI@2047 for Viksit Bharat"?

- A. Telecom Regulatory Authority of India
- B. National Institution for Transforming India
- C. Securities and Exchange Board of India Organization
- D. Ministry of Electronics and Information Technology

Q86 Government Policies & Schemes

Which national campaign is being strengthened in 2026 to address the problem of drug abuse among the youth in India?

- A. Startup India Scheme
- B. Digital India Programme
- C. Nasha Mukht Bharat Abhiyan
- D. Fit India Movement

Q87 Health & Environment Days

What was the official theme of Earth Day 2026, an environmental awareness movement that was born on 22 April 1970 and initiated by U.S. Senator Gaylord Nelson?

- A. Restore Our Earth
- B. Our Power, Our Planet
- C. Invest in Our Planet
- D. Planet vs. Plastics

Q88 Individual Records

Which player was conferred the title of India's 94th Chess Grandmaster in March 2026?

- A. D Gukesh
- B. Mayank Chakraborty
- C. R Praggnanandhaa
- D. Arjun Erigaisi

Q89 Military Exercises

Vajra Prahar conducted from February 24 to March 16, 2026, at the Special Forces Training School, Bakloh, Himachal Pradesh, was organised as a bilateral Special Forces military drill between India and which country?

- A. France
- B. United States
- C. Australia
- D. Russia

Q90 National Current Affairs

In March 2026, the Publications Division of the Ministry of Information and Broadcasting released which latest annual reference publication in both English and Hindi?

- A. New India: Policy and Progress
- B. Governance in India: Annual Review
- C. India 2047: A Development Report
- D. Bharat 2026: A Reference Annual

Q91 New Apps & Portals

Which institution launched the Central Prabharhi Officer (CPO) Portal in May 2026 to strengthen real-time governance, stakeholder coordination, and last-mile delivery under the Aspirational Districts and Blocks Programme?

- A. National Human Rights Commission
- B. National Informatics Centre
- C. NITI Aayog
- D. Department of Administrative Reforms and Public Grievances



Q92 New Schemes & Programs

The Viksit Bharat – Guarantee for Rozgar and Aajeevika Mission (Gramin) (VB-G RAM G) Act introduced in December 2025 included:

- A. Limiting participation to agricultural labourers only
- B. Complete privatisation of rural employment delivery
- C. Increasing guaranteed workdays from 100 to 125 ✓
- D. Replacement of DBT with food-grain transfers

Q93 New Schemes & Programs

In January 2026, which rural development scheme was launched by the Gujarat government to provide urban-like facilities in villages?

- A. Mukhyamantri Gramotthan Yojana ✓
- B. Mukhyamantri Gramvikas Yojana
- C. Mukhyamantri Gramkalyan Yojana
- D. Mukhyamantri Shaheri Vikas Yojana

Q94 Policy Changes & Amendments

In 2026, the Government of India notified amendments to the Plastic Waste Management Rules, making it mandatory for producers and brand owners to use what type of material in plastic packaging to promote circular economy practices?

- A. Recycled plastic content ✓
- B. Biodegradable metallic coatings
- C. Bamboo-based polymer substitutes
- D. Imported compostable packaging material

Q95 Rankings & Reports

The 21st Edition of the Global Risks Report 2026 was released by which of the following organizations?

- A. World Bank
- B. World Economic Forum ✓
- C. United Nations Development Programme
- D. International Monetary Fund

Q96 Recent Awards & Honors

The State Disaster Management Authority selected in the Institutional Category for the Subhash Chandra Bose Aapda Prabandhan Puraskar 2026 had belonged to which state?

- A. Assam
- B. Sikkim ✓
- C. Uttarakhand
- D. Himachal Pradesh

Q97 Recent Tournaments

The "Khelo India Tribal Games 2026", which focused on promoting indigenous and traditional Indian sports, was held in which Indian state?

- A. Madhya Pradesh
- B. Jharkhand
- C. Chhattisgarh ✓
- D. Odisha

Q98 Recent Tournaments

Which player won the 2026 Australian Open women's singles title, claiming her second Grand Slam—her first being Wimbledon 2022?

- A. Jessica Pegula
- B. Aryna Sabalenka
- C. Elena Rybakina ✓
- D. Iga Świątek

Q99 Recent Tournaments

The 2026 World Athletics Indoor Championships (20–22 March 2026), where Armand "Mondo" Duplantis won his fourth consecutive indoor pole vault title, was held at the Kujawsko-Pomorska Arena in which city?

- A. Kraków, Poland
- B. Toruń, Poland ✓
- C. Warsaw, Poland
- D. Gdańsk, Poland

Q100 Science & Technology Current Affairs

In 2026, India achieved a major milestone under the National Quantum Mission. What was this landmark achievement?

- A. Achieving quantum supremacy in computational speed.
- B. Completing 1,000 kms of secure quantum communication. ✓
- C. Developing a quantum internet for the Mumbai financial district.
- D. Launching the world's first quantum computing satellite.



General Science

25 Questions • Answer Key

Q1 Atomic Structure & Models

Which of the following phenomena is explained by Bohr's model?

- A. Diffraction of proton
- B. Diffraction of neutron
- C. Rutherford scattering
- D. Hydrogen line spectrum

**Q2 Basic Organic Chemistry**

A chemist is designing a synthetic route for a new medicine and must select a carbon compound as the starting material. Which property of carbon allows it to form a wide variety of organic molecules suitable for this task?

- A. Carbon's ability to form double bonds with oxygen
- B. Carbon's ability to lose electrons easily
- C. Carbon's ability to attract electrons strongly
- D. Carbon's ability to form four strong covalent bonds

**Q3 Cell Biology**

Complete the analogy.
Light Microscope: Visible Light:: Electron Microscope: _____.

- A. Ultraviolet Light
- B. Electron Beam
- C. Laser Light
- D. X rays

**Q4 Cell Biology**

The measure of an image's clarity is called _____, whereas _____ is the brightness difference between object parts.

- A. magnification, illumination
- B. illumination, magnification
- C. contrast, resolution
- D. resolution, contrast

**Q5 Classification of Organisms**

A student classifies animals in a diagram by both activity time (day/night) and visible characteristics. Which statement best shows what combining these criteria demonstrates about scientific classification?

- A. It eliminates overlaps
- B. It creates unique groups
- C. It always focuses on genetics
- D. It allows for multiple perspectives

**Q6 Current Electricity (Ohm's Law, Circuits)**

Which of the following graphs best represents Ohm's Law for a resistor at constant temperature?

- A. A straight line graph not passing through the origin when current is plotted against voltage
- B. A curved line graph passing through the origin when current is plotted against voltage
- C. A horizontal line graph when current is plotted against voltage
- D. A straight line graph passing through the origin when current is plotted against voltage

**Q7 Echo, Resonance, Doppler Effect**

Which of the following changes will most likely reduce the clarity of an echo in a large room?

- A. Installing smooth ceramic tiles
- B. Painting the walls a light colour
- C. Making the room larger
- D. Adding thick curtains to the walls

**Q8 Ecosystem & Food Chain**

What is the role of decomposers in an ecosystem?

- A. Bring about the death of plants
- B. Break down dead remains of organisms
- C. Convert light energy into chemical energy
- D. Synthesize organic substances from inorganic substances



Q9 Foreign Scientists

Who was the first scientist to use the term 'element'?

- A. JJ Thomson
- B. Robert Boyle
- C. Antoine Lavoisier
- D. John Dalton

Q10 Hydrocarbons (Methane, Ethane, etc.)

What do methane, ethane and propane represent in the study of carbon compounds?

- A. Chains containing mixed metal atoms
- B. Chains containing aromatic carbon atoms
- C. Chains containing single carbon atom
- D. Chains containing increasing carbon atoms

Q11 Magnetic Effects of Current

A technician reverses the direction of current in a conductor placed in a magnetic field. According to Fleming's Left Hand Rule, what will happen to the direction of force on the conductor?

- A. The force direction will remain unchanged
- B. The force will disappear
- C. The force will always increase
- D. The force direction will reverse

Q12 Mechanics

On a velocity-time graph, what does a horizontal straight line above the time axis indicate about the motion of the object?

- A. Constant velocity
- B. Changing direction
- C. Increasing velocity
- D. Constant acceleration

Q13 Mirrors & Lenses

When an object is placed at $2F_1$ of a convex lens, where is the image formed?

- A. At F_2
- B. At $2F_2$
- C. At infinity
- D. Between F_2 and $2F_2$

Q14 Newton's Laws of Motion

In a tug-of-war, Team A pulls Team B with a force of 300 N. According to Newton's Third Law, what force does Team B exert on Team A?

- A. 600 N in the opposite direction
- B. 300 N in the same direction
- C. 150 N in the same direction
- D. 300 N in the opposite direction

Q15 Periodic Table & Classification

Which of the following pairs is correctly matched?

- A. Ag – Argon
- B. Au – Aluminum
- C. Pb – Lead
- D. Fe – Fluorine

Q16 Plant Hormones

What does the fact that movement in a plant occurs away from the point of touch suggest about plant coordination?

- A. Signal transmission
- B. Photosynthesis
- C. Growth stimulation
- D. Water absorption

Q17 Plant Kingdom (Divisions)

A student observes green mats growing on rocks in a damp forest. They have rhizoid-like structures but lack true roots. Which class do these plants most likely represent?

- A. Pteridophyta
- B. Thallophyta
- C. Bryophyta
- D. Gymnosperm

Q18 Plant Tissues & Transport

What is the primary reason water moves into the phloem tissue after sucrose is actively loaded into it in plants?

- A. The increase in osmotic pressure draws water into the phloem
- B. Water moves to phloem due to root pressure buildup
- C. Pressure equalizes between phloem and xylem tissues
- D. Increased ATP usage raises the temperature in the phloem



Q19 Properties & Tests

Identify the correct statement regarding the reaction of sodium carbonate and dilute HCl.

- A. Carbon monoxide is released.
- B. Hydrogen is released.
- C. Chlorine is released.
- D. Carbon dioxide is released. ✓

Q20 Properties & Tests

When a metal reacts with a dilute acid, hydrogen gas is released. What is the compound formed along with hydrogen gas called?

- A. Salt ✓
- B. Oxide
- C. Water
- D. Base

Q21 Properties & Tests

A student accidentally spills a small amount of dilute sulfuric acid on the laboratory table. The teacher suggests adding sodium bicarbonate powder to neutralize the acid. Which product confirms that a neutralization reaction has occurred?

- A. Formation of carbon dioxide and salt ✓
- B. Formation of metal oxide
- C. Formation of hydrogen gas
- D. Formation of oxygen gas

Q22 Respiratory System

Which of the following organs is most commonly affected by smoking tobacco products?

- A. Pancreas
- B. Intestine
- C. Brain
- D. Lungs ✓

Q23 Ultrasound & Applications

Why can humans NOT hear the sound produced by a bat?

- A. The sound is too loud for humans.
- B. The frequency of bat sounds is above 20,000 Hz. ✓
- C. The sound travels only in water.
- D. The frequency of bat sounds is below 20 Hz.

Q24 Work, Energy & Power

A diver jumps off a diving board into a pool. At the moment just before entering the water, which statement best applies according to the law of conservation of energy?

- A. The diver's potential energy stays the same throughout
- B. The diver's total energy increases during the fall
- C. The diver's loss in potential energy equals the gain in kinetic energy ✓
- D. The diver loses energy during the fall to the surroundings

Q25 Work, Energy & Power

What form of energy does a glowing bulb emit?

- A. Chemical energy
- B. Light energy ✓
- C. Gravitational energy
- D. Sound energy

Mathematics

25 Questions • Answer Key

Q26 Annual Compounding

Yuvraj deposited a certain sum of money at 20% rate of interest per annum, compounded annually. At the end of 2 years, Yuvraj received a total amount of ₹34,668. What was the sum of money deposited by Yuvraj?

- A. ₹23,641
- B. ₹23,925
- C. ₹23,790
- D. ₹24,075 ✓

Q27 Annual Compounding

What will be the compound interest on a sum of ₹10,176 after 3 years at the rate of 25% per annum, interest being compounded annually?

- A. ₹9,699 ✓
- B. ₹9,999
- C. ₹9,799
- D. ₹9,899



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Q28 Average Speed

A car travels from city A to city B at 30 km/hr and returns at 45 km/hr. Find the average speed for the entire trip.

A. 36 km/hr



B. 40 km/hr

C. 35 km/hr

D. 42 km/hr

Q29 Cost with Overhead Expenses

Arvind bought an article for ₹x. He sold it to Biru at a loss of 19%. Biru spent ₹166 on its transportation and sold it to Minu at a profit of 35%. If Minu bought it for ₹1,755, then what is the value of x?

A. 1,400



B. 1,350

C. 1,500

D. 1,450

Q30 Dividing Quantity in Ratio

If $x:(y+z)=3:8$, $y:(x+z)=4:11$, and $x+y+z=4950$, then find the value of $z-y$.

A. 1080

B. 720

C. 840

D. 960

**Q31 Find SI**

Find the simple interest (in ₹) on a sum of ₹600 borrowed for 2.5 years at a rate of interest of 4% per annum.

A. 60



B. 50

C. 40

D. 70

Q32 Finding Present Age

Six years ago, A's age was half of what his age will be six years from now. What is A's present age?

A. 24 years

B. 13 years

C. 12 years

D. 18 years

**Q33 Finding Value from Percentage**

In a town, 75% of the registered voters cast their votes in an election contested by candidates X and Y. Candidate X won the election by 840 votes. If candidate Y had received 50% more votes, the election would have resulted in a tie. Find the total number of registered voters in the town.

A. 5230

B. 4800

C. 5600



D. 5700

Q34 Laws of Indices

Given that $94^{0.8} = x$, $94^{0.03} = y$ and $x^z = y^2$, then the value of z is:

A. 0.075



B. 0.625

C. 1.225

D. 1.175

Q35 Multiple Pipes

Pipe A can fill a tank in 6 hours, pipe B can fill the same tank in 36 hours and pipe C can fill the same tank in 18 hours. The time taken (in hours) by them to fill one-fourth of the same tank if they operate together is:

A. 3

B. 2

C. 1



D. 4

Q36 Order of Operations

Simplify $32 - 5$ of $(17 - 12) + 4 \times 7 - 6 \div 3$.

A. 33



B. 32

C. 31

D. 35



Q37 Percentage Increase/Decrease

The cost of a washing machine is 50% less than the cost of a TV. If the cost of the washing machine increases by 81% and that of the TV decreases by 47%, then what is the percentage change in the total cost of 4 washing machines and 3 TVs?

A. Decrease by 2.1%

B. Increase by 4.2% ✓

C. Decrease by 5.4%

D. Increase by 3.2%

Q38 Primality Testing

The number of students in a class is a prime number greater than 50 but less than 58. How many students are there in the class?

A. 53 ✓

B. 52

C. 55

D. 57

Q39 Proportion

If x , 2.6, 5.2 and 10.4 are in proportion, what is the value of x ?

A. 1.3 ✓

B. 1.8

C. 1.2

D. 2.4

Q40 Relative Speed

The distance between two cities A and B is 120 km. A motorcycle rider starts from A towards B at 8 am at a speed of 21 km/h. Another motorcyclist starts from B towards A at 9 am at a speed of 34 km/h. At what time (in 12-hour clock format) will they cross each other?

A. 10:48 am ✓

B. 11:20 am

C. 11:10 am

D. 10:15 am

Q41 Replacement of Mixture

A vessel contains a mixture of orange juice and water in the ratio 3:5. How many litres should be replaced with water so that the ratio becomes 2:5, given the total mix is 168 L?

A. 42 L

B. 45 L

C. 38 L

D. 40 L ✓

Q42 Successive Discount

The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 18% and 65%, shop II allows successive discounts of 56% and 86%, shop III allows successive discounts of 53% and 69% and shop IV allows successive discounts of 15%, 60% and 65% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

A. II ✓

B. I

C. III

D. IV

Q43 Surface Area (TSA/LSA)

The company has two options to pack a certain item.

- Box A: Cubical box of side 5 cm
- Box B: Cuboidal box of $l = 6$ cm, $b = 4$ cm and $h = 3$ cm.

The cost of cardboard required to make boxes is ₹10/cm². However, box A uses 10% more cardboard while box B uses 15% more cardboard due to fold and turns. Which box will the company prefer to minimise the total cost of cardboard and what is the cost of making it?

A. Box B: ₹1242 ✓

B. Box B: ₹1800

C. Box A: ₹1500

D. Box A: ₹1650

Q44 Ungrouped Data Median

From the following data, what is the value of the median?

18, 20, 21, 25, 26, 23, 29, 32, 41, 33, 39

A. 25

B. 29

C. 26 ✓

D. 32



Q45 Common Tangents

A common external tangent is drawn to two circles of radius r units each. The length of the common tangent is $2r$ units. The distance between the centres of the circles is _____ units.

A. $4r$ B. $3r$ C. r D. $2r$ **Q46** Complementary Angle Values

In $\triangle ABC$, $\angle C = 90^\circ$, and $\tan A = \sqrt{6}$, then find the value of $\sin A \times \cos B \times \operatorname{cosec}(A + B)$.

A. 1

B. $\frac{\sqrt{3}}{2}$

C. 0

D. $\frac{6}{7}$ **Q47** Mean of Grouped Data

If the mean of the following data is 47, then what is the value of x ?

Class	20-30	30-40	40-50	50-60	60-70
Frequency	20	29	22	32	x

A. 30

B. 53

C. 36

D. 32 **Q48** Sphere & Hemisphere

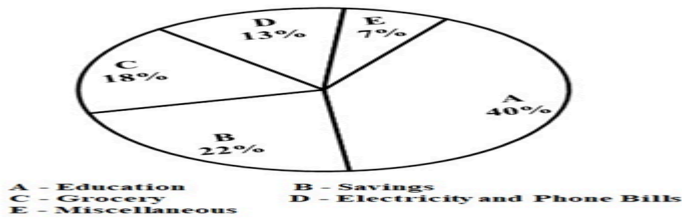
The surface area of a sphere is numerically equal to the volume of another sphere. If the radius of the first sphere is 7 cm, find the radius (in cm) of the second sphere.

A. $\sqrt[3]{147}$ B. $\sqrt{147}$ C. $\sqrt[3]{174}$ D. $\sqrt{174}$ 

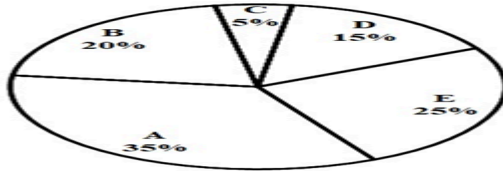
Q49 Year-on-Year Comparison

Study the two pie-charts given below and answer the question that follows.

MARCH MONTH'S SALARY: ₹ 34000



APRIL MONTH'S SALARY: ₹ 35000



Find the ratio of the amount spent for education from March's salary and that spent for grocery from April's salary.

A. 272:33

B. 271:33

C. 271:35

D. 272:35

**Q50** $\sin^2 + \cos^2 = 1$

The value of $\sin^2 42^\circ + \sin^2 48^\circ + \sec^2 30^\circ - \cot^2 45^\circ$ is:

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

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

C. 1

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

**General Intelligence & Reasoning**

30 Questions • Answer Key

Q51 Day of Week Assignment

Each of A, B, C, D, P, Q and R has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week.

Only three people have the exam between Q and B. Only three people have the exam between R and P. D has the exam on some day before A and on some day after C. Only P has the exam after B.

How many people have the exam after Q?

A. Six

B. Four

C. Two

D. Five

**Q52** Day of Week Assignment

Each of P, Q, R, S, T, U and V has an exam on a different day of the same week starting from Monday and ending on Sunday. R has an exam on Thursday. Only two people have an exam between V and R. Only three people have an exam between U and V. T has an exam after U but before S. Q has an exam immediately before P but not on Monday. How many people have an exam between V and P?

A. One



B. Three

C. Two

D. None



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Q53 Direct Relations

V is wife of W. W is brother of X. X is father of Y. How is V related to Y?

- A. Mother's Sister's Husband
- B. Brother's Wife
- C. Father's Brother's Wife ✓
- D. Sister's Husband

Q54 Facing Center

A, B, C, D, E, F and G are sitting around a circular table facing the centre. A is sitting to the immediate right of E and immediate left of D. F is sitting to the immediate right of D. G is sitting second to the right of F. C is not the immediate neighbour of F. Who is sitting to the immediate right of F?

- A. B ✓
- B. G
- C. A
- D. E

Q55 Facing Center

Seven students, I, J, K, P, Q, R and Z, are sitting around a circular table, facing the center of the table. Q sits to the immediate left of J. R is an immediate neighbour of both K and Z. Z sits third to the left of J. P is not an immediate neighbor of Z. Who sits third to the right of I?

- A. Q
- B. P ✓
- C. J
- D. R

Q56 Floor/Building Arrangement

A, G, H, P, S and Y live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on, till the topmost floor, which is numbered 6. P lives on the topmost floor. Only three people live between P and G. S lives on a floor below G. A lives on an even-numbered floor. Y lives on an odd-numbered floor but not on floor number 5. How many people live between H and G?

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

Q57 Group Pattern

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

LRM IOJ FLG CID ?

- A. ZAF
- B. ZER
- C. ZFA ✓
- D. ZDS

Q58 Letter to Number Mapping

In a certain code language, 'TINY' is coded as '2176' and 'ANTI' is coded as '7618'. How is 'A' coded in that language?

- A. 7
- B. 1
- C. 6
- D. 8 ✓

Q59 Letter to Number Mapping

In a certain code language, 'TANK' is coded as '9356' and 'AUNT' is coded as '6579'. How is 'U' coded in that language?

- A. 6
- B. 7 ✓
- C. 9
- D. 5

Q60 Letters in a Given Word

This question is based on the given words.

TRY MAT CAN JUG

If in each of the words, each letter is changed to the second letter immediately following it in the English alphabetical order, how many words thus formed will have more than one vowel?

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



Q61 Letters in a Given Word

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

A. A

B. F

C. B



D. E

Q62 Letters in a Given Word

Each vowel in the word 'MOURNED' is changed to the immediate second letter 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. C

B. M

C. G

D. Q

**Q63 Letters in a Given Word**

This question is based on the following words.
RUG DOF AMP DIM

In each of the words, each vowel 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. In how many letter-clusters thus formed, will no vowel appear?

A. One

B. Two



C. Four

D. Three

Q64 Missing Number

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

205 181 157 133 109 ?

A. 81

B. 93

C. 89

D. 85

**Q65 Operation Based**

35 is related to 283 following a certain logic. Following the same logic, 27 is related to 219. To which of the following is 41 related, following the same logic?

(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 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.)

A. 301

B. 310

C. 331



D. 319

Q66 Operation Based

Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number results in the second number. Similarly, certain mathematical operation(s) on the second number result(s) in the third number and so on. Which of the given options follows the same set of operations as in the given sets?

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

24 - 32 - 42 - 54;

33 - 41 - 51 - 63

A. 18 - 24 - 34 - 52

B. 21 - 31 - 38 - 40

C. 16 - 32 - 42 - 52

D. 34 - 42 - 52 - 64

**Q67 Operator Swap**

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

$8 \div 4 - 38 + 49 \times 7 = ?$

A. 63



B. 61

C. 71

D. 67



Q68 Operator Swap

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

$$77 \div 11 + 225 \times 5 - 126 = ?$$

A. 924

B. 914

C. 928 

D. 919

Q69 Pattern Based

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of ::?

: LMN :: STU : %

A. # = LMP, % = VWX

B. # = IJK, % = VWX 

C. # = MNP, % = TUS

D. # = XYZ, % = TUS

Q70 Pattern Based

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of ::?

: LNJ :: SUQ : %

A. # = IKG, % = VXT 

B. # = PRO, % = VWX

C. # = MPK, % = WVX

D. # = MPK, % = TUS

Q71 Pattern Based

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of ::?

: PLQ :: LHM : %

A. # = SPZ, % = QPJ

B. # = SIT, % = IEQ

C. # = SOT, % = IEJ 

D. # = PIT, % = IEV

Q72 Position Pattern

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

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

A. HX-QW

B. CS-LR

C. VL-EK

D. TJ-EI **Q73 Position Pattern**

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

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

A. TQ - SO 

B. OL - NK

C. FC - EB

D. MJ - LI

Q74 Shortest Distance

Smita starts from Point A and drives 6 km towards north. She then takes a left turn, drives 8 km, turns left and drives 10 km. She then takes a left turn and drives 12 km. She takes a final left turn, drives 4 km and stops at Point B. How far (shortest distance) and towards which direction should she drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified.)

A. 5 km towards south

B. 4 km towards north

C. 4 km towards west 

D. 5 km towards east



Q75 Symbol Based

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

Based on the above, how is D related to G if 'D + Y # R - B @ G'?

- A. Brother's wife's mother
- B. Brother's daughter
- C. Brother's wife's sister ☒
- D. Brother's wife

Q76 Symbol Included Pattern

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

(Left) $\infty * R M \% \& H G W \pi R \beta U H \# * + L \div V A \Omega H M = A V$ (Right)

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

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

Q77 Symbol Included Pattern

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

(Left) $+ ? \& 5 * 1 4 \$ ^ / * > \% @ 8 \& \> / 5 8$ (Right)

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

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

Q78 Symbol Included Pattern

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

(Left) $\pounds V \div L \neq H @ Y S \pounds > K ? V \Omega G Z ? U \$ A \odot E @ \$ U \omega E$ (Right)

How many such symbols are there, which are immediately preceded by a symbol and also immediately followed by a letter?

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

Q79 Symbol Substitution

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?

201 D 400 A 5 B 2 C 31 = ?

- A. 70
- B. 74
- C. 72 ☒
- D. 78

Q80 Two Statement Syllogism

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

Statements:

All apples are fruits.
 Some fruits are sweet.

Conclusions:

- (I) Some apples are sweet.
- (II) All sweet are apples.

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



Q81 Conflicts & Peace Processes

What triggered the 2025 India–Pakistan crisis?

- A. Terrorist attack in Pahalgam, Kashmir** ✓
- B. Cross-border artillery fire
- C. Suspension of the Indus Waters Treaty
- D. Diplomatic expulsion of ambassadors

Q82 Cricket (IPL, WC, etc.)

Which cricket team defeated Haryana in the final to claim their maiden Syed Mushtaq Ali Trophy title in 2025?

- A. Punjab
- B. Karnataka
- C. Jharkhand** ✓
- D. Rajasthan

Q83 HDI, GHI, etc.

According to the Corruption Perceptions Index (CPI), 2025, published by Transparency International, what was India's rank among 182 countries?

- A. 91st** ✓
- B. 96th
- C. 102nd
- D. 84th

Q84 HDI, GHI, etc.

According to the Global Terrorism Index 2026 published by the Institute for Economics and Peace (IEP), which country had ranked first following a rise in terrorism-related fatalities?

- A. Iraq
- B. India
- C. Afghanistan
- D. Pakistan** ✓

Q85 IT Policies & Regulation

The Indian Computer Emergency Response Team (CERT-In) under the Ministry of Electronics and Information Technology had developed a comprehensive framework and guidelines for Space Cyber Security in collaboration with which organisation during the DefSat Conference & Expo 2026 held in New Delhi?

- A. NewSpace India Limited
- B. Antrix Corporation Limited
- C. Satcom Industry Association-India** ✓
- D. Indian Space Research Organisation

Q86 Key Announcements

As per the Union Budget 2025-26 announcement, in which state is a greenfield airport to be established?

- A. Odisha
- B. Rajasthan
- C. Bihar** ✓
- D. Haryana

Q87 Military Exercises

Where was Exercise Vayushakti-26 conducted in February 2026?

- A. Pokhran Field Firing Range, Jaisalmer** ✓
- B. Kachchh, Gujarat
- C. Srinagar, Jammu & Kashmir
- D. Leh, Ladakh

Q88 Missile Tests & Systems

Which landmark achievement in hypersonic technology did the Defence Research and Development Organisation (DRDO) announce in May 2026?

- A. The successful long-duration ground test of an actively cooled scramjet combustor** ✓
- B. The induction of a hypersonic variant of the BrahMos missile
- C. The launch of the first operational hypersonic cruise missile
- D. The signing of a technology transfer deal with the US for hypersonic engines



Q89 Modern Indian Authors

Who had authored the book "Tides of Time: Bharat's History through Murals in Parliament" unveiled by Vice President C. P. Radhakrishnan in 2026?

- A. Amish Tripathi
- B. Shashi Tharoor
- C. Sudha Murty
- D. Devdutt Pattanaik

**Q90 Modern Indian Authors**

Who is the author of the book 'General Brasstacks: The Sundarji story' published in January 2026?

- A. Probal Dasgupta
- B. Arjun Subramaniam
- C. Shiv Kunal Verma
- D. Srinath Raghavan

**Q91 New Schemes & Programs**

On May 11, 2026, the Government of India notified the rollout of the VB-G RAM G Act, 2025 from July 1, 2026. It replaced which earlier rural employment law?

- A. Deendayal Antyodaya Yojana
- B. Pradhan Mantri Gram Sadak Yojana
- C. National Rural Livelihood Mission
- D. Mahatma Gandhi National Rural Employment Guarantee Act, 2005

**Q92 New Schemes & Programs**

The Market Access Support (MAS) Scheme, launched in December 2025, was introduced primarily to strengthen which area of economic activity?

- A. Promote exports and support MSME exporters
- B. Increase agricultural procurement for farmers
- C. Provide urban housing subsidies for migrants
- D. Expand universal rural health insurance

**Q93 Recent Awards & Honors**

Which institution was honored with the Subhash Chandra Bose Aapda Prabandhan Puraskar 2026 in the Institutional Category for exceptional work in disaster management?

- A. Sikkim State Disaster Management Authority
- B. National Institute of Disaster Management
- C. National Disaster Response Force
- D. Indian Red Cross Society

**Q94 Recent ISRO Missions**

Which ISRO mission detected the effects of Coronal Mass Ejections (CMEs) on the Moon's exosphere, marking a global first in 2025?

- A. Aditya-L1
- B. Chandrayaan-1
- C. Chandrayaan-2
- D. Chandrayaan-3

**Q95 Recent ISRO Missions**

As part of India's Gaganyaan human spaceflight programme, which organisation conducted crew module recovery trials in the Bay of Bengal in 2026?

- A. Indian Space Research Organisation (ISRO)
- B. Indian National Centre for Ocean Information Services (INCOIS)
- C. Defence Research and Development Organisation (DRDO)
- D. Hindustan Aeronautics Limited (HAL)

**Q96 Recent Tournaments**

In which state was the 24th National Junior Athletics Federation Competition held from April 24 to 26, 2026?

- A. Tamil Nadu
- B. Gujarat
- C. Maharashtra
- D. Karnataka

**Q97 Recent Tournaments**

Who had won the silver medal in women's singles at the Baoji China Masters Super 100 badminton event held at Baoji City Gymnasium in May 2026?

- A. Malvika Bansod
- B. Unnati Hooda
- C. An Qi Yuan
- D. Shriyanshi Valishetty

**Q98 Recent Tournaments**

Which weightlifter had won the gold medal in the men's 65-kilogram category at the Commonwealth Youth Weightlifting Championships conducted in Samoa during April 2026?

- A. Abhinob Gogoi
- B. Harjinder Kaur
- C. Jeremy Lalrinnunga
- D. Sunil Singh



Q99 Summits & Conferences

Which theme was adopted for the World Governments Summit, 2026, that brought together governments, international organizations, thought leaders, and private sector leaders to identify innovative solutions for future challenges?

- A. Shaping Future Governments** ☒
- B. Reinventing Digital Governments
- C. Empowering Modern Governments
- D. Strengthening Sustainable Governments

Q100 Treaties & Agreements

India renewed the Memorandum of Understanding on Environmental Cooperation in March 2026 for collaboration on pollution control, waste management, circular economy, and climate action with which country?

- A. Sweden
- B. Finland** ☒
- C. Denmark
- D. Norway



General Science

25 Questions • Answer Key

Q1 Atomic Structure & Models

In Rutherford's α -particle scattering experiment, the conclusion that most of the atom is empty space was drawn because:

- A. Electrons in atoms were electrically neutral
- B. Gold atoms were chemically unstable
- C. Only a few α -particles showed deflection ✓
- D. Most α -particles were absorbed by the foil

Q2 Atoms & Molecules

Among the following, what has a molecular mass of 44 u?

- A. NH_3
- B. H_2O
- C. CO_2 ✓
- D. N_2

Q3 Basic Organic Chemistry

The IUPAC name for the compound $\text{CH}_3\text{-C}(\text{CH}_3)_2\text{-CH}_2\text{-CH}_3$ is:

- A. 2,2-Dimethylbutane ✓
- B. 2,3-Dimethylbutane
- C. 3,3-Dimethylbutane
- D. 1,2-Dimethylbutane

Q4 Biodiversity & Conservation

A conservation biologist is designing a strategy to protect the Nilgiri tahr, which is found only in a specific Indian region. Which approach would be most appropriate for its conservation, based on its classification?

- A. Prioritizing widespread species elsewhere
- B. Relocating species to other regions
- C. Focusing on its endemic habitat in the Western Ghats ✓
- D. Creating generic wildlife reserves

Q5 Cell Structure & Organelles

If a researcher finds that a plant cell is neither swelling nor shrinking in a specific solution, they can conclude the solution is ____.

- A. Isotonic ✓
- B. Hypotonic
- C. Pure water
- D. Concentrated

Q6 Cell Structure & Organelles

In a bacterial cell, the genetic material is found without a surrounding membrane in a region called the _____.

- A. Cytoplasm
- B. Nucleolus
- C. Vacuole
- D. Nucleoid ✓

Q7 Circulatory System (Heart, Blood)

A researcher needs to deliver a drug directly to the cells of an organ for rapid effect. Which blood vessel should the delivery target for optimal diffusion to surrounding cells?

- A. Veins because they collect blood
- B. Veins due to presence of valves
- C. Capillaries because of their one-cell thick walls ✓
- D. Arteries due to thick elastic walls

Q8 Digestive System

What is the main function of saliva in the mouth during digestion?

- A. It transports food to the stomach
- B. It absorbs nutrients
- C. It breaks down starch into simple sugar ✓
- D. It kills all bacteria



Q9 Ecology & Environment

All of the following are ways to restore Earth's natural systems EXCEPT, _____.

- A. Save water and recycle waste
- B. Increase fossil fuel use ✓
- C. Use solar and wind energy
- D. Plant trees and practice sustainable farming

Q10 Ecosystem & Food Chain

Consider the following statements and select the correct option.

Statement 1: Food chains in an ecosystem are interlinked to form a food web.

Statement 2: Food webs show the interdependence of organisms.

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

Q11 Extraction & Metallurgy

During the electrolytic refining of copper, which of the following correctly matches the components and their roles?

Component	Role in Refining Process
A. Pure Copper	i. Anode
B. Impure Copper	ii. Cathode
C. Acidified Copper Sulphate	iii. Electrolyte

- A. A - i, B - ii, C - iii
- B. A - ii, B - iii, C - i
- C. A - iii, B - i, C - ii
- D. A - ii, B - i, C - iii ✓

Q12 Household Wiring & Safety

Suppose a household replaces all 5 A sockets with 15 A sockets and connects multiple high-power appliances to each. What potential risk does this introduce, and why?

- A. It increases the risk of overloading and possible short-circuit due to excessive current ✓
- B. It ensures that all appliances will work at lower voltage
- C. It decreases the risk of electrical hazards in the house
- D. It prevents the fuse from operating under any circumstances

Q13 Human Eye & Defects

Which of the following best describes the power of accommodation of the human eye?

- A. The ability of the pupil to change size with light intensity
- B. The adjustment of eyelid position for better vision
- C. The movement of the eyeball to follow moving objects
- D. The ability of the eye lens to change its focal length to focus on objects at different distances ✓

Q14 Hydrocarbons (Methane, Ethane, etc.)

Which pair of compounds will show different chemical properties despite having the same molecular formula?

- A. Ethane and ethene
- B. Butane and isobutane ✓
- C. Ethanol and ethanoic acid
- D. Propanol and methanol

Q15 Magnetic Effects of Current

A student places a compass near a straight, current-carrying conductor and observes the needle deflect. What does this observation indicate about the region around the conductor?

- A. An electric field is generated around the conductor
- B. There is a magnetic field present around the conductor ✓
- C. The region becomes gravitationally active
- D. Heat is produced around the conductor

Q16 Mechanics

A velocity-time graph for a body moving with uniform acceleration is a straight line that slopes upwards. What does the area under this line between two time points represent?

- A. The average velocity during that time interval
- B. The acceleration of the body during that time interval
- C. The displacement of the body during that time interval ✓
- D. The total change in velocity during that time interval



Q17 Mechanics

When interpreting a velocity–time graph, what physical quantity is represented by the area under the graph during a specific time interval?

- A. Speed of the car
- B. Acceleration of the car
- C. Change in velocity
- D. Distance (or displacement) travelled**

Q18 Mirrors & Lenses

A traffic surveillance camera uses a convex mirror with a radius of curvature of 2 m. Where will the image of a car located 3 m from the mirror appear?

- A. 0.12 m in front of the mirror
- B. 0.75 m behind the mirror**
- C. 3 m in front of the mirror
- D. 3 m behind the mirror

Q19 Mirrors & Lenses

A ray passing through the principal focus of a concave mirror will, after reflection:

- A. converge at the pole
- B. emerge parallel to the principal axis**
- C. reflect back through the centre of curvature
- D. diverge away from the mirror

Q20 Mixtures, Solutions, Colloids

Which of the following most accurately represents a heterogeneous mixture?

- A. Sodium chloride and water
- B. Sugar and water solution
- C. Acetic acid and water solution
- D. Sand and water solution**

Q21 Properties & Tests

When carbon dioxide gas is passed through lime water (calcium hydroxide solution), it produces a white precipitate which is of:

- A. calcium oxide
- B. calcium hydrogen carbonate
- C. calcium carbonate**
- D. calcium sulphate

Q22 Reactivity Series

What primary factor determines whether one element can displace another from its compound?

- A. Difference in solution concentration
- B. Relative reactivity of the elements involved**
- C. Difference in atomic masses
- D. Difference in physical state

Q23 Respiratory System

Which of the following structures in throat is responsible for the prevention of collapse of air-passage in human beings?

- A. Pharynx
- B. Larynx
- C. Oesophagus
- D. Rings of cartilage**

Q24 Work, Energy & Power

A trolley is pulled along a straight track by a constant force of 40 N. If the work done on the trolley is 240 J, what distance does the trolley travel?

- A. 2 m
- B. 6 m**
- C. 12 m
- D. 4 m

Q25 Work, Energy & Power

If a force of 1 N displaces an object by 1 m along the line of force, the work done is:

- A. 1 J**
- B. 0.1 J
- C. 0.5 J
- D. 10 J



Q26 $(a+b)^2, (a-b)^2$

Simplify the following expression:

$$(2a + 3b + 4c)^2 + (2a - 3b - 4c)^2 - 8a^2 - 18b^2 - 32c^2$$

A. $12bc$ B. $48bc$ ✓C. $16ac$ D. $24ab$ **Q27** 2-Year Difference

A sum of ₹5,000 is invested for 2 years at 8% per annum. Find the difference between the compound interest and the simple interest (in ₹), if the interest is compounded annually.

A. ₹80

B. ₹32 ✓

C. ₹50

D. ₹20

Q28 Angles in Circle

Two chords AB and CD of a circle whose centre is O, meet at the point E. If angle AOC = 54° and angle BOD = 48° , then the value of angle BED is:

A. 51° ✓B. 50° C. 52° D. 53° **Q29** Average Speed

A man covered a total distance of 800 km on motor bike. For the first 12 hours, the speed was 50 km/hr and for the rest of the journey, it came down to 25 km/hr. The average speed (in km/hr) was:

A. 48

B. 40 ✓

C. 42

D. 36

Q30 Basic TSD

A bus leaves City A at 7:00 a.m. and travels at 48 km/h. At 10:00 a.m., the driver stops for a 30-minute break. Then he continues at 60 km/h. Find the time he reaches City B, which is 300 km from City A.

A. 12:56 pm

B. 1:30 pm

C. 1:10 pm

D. 1:06 pm ✓

Q31 Cost with Overhead Expenses

Arvind bought an article for ₹x. He sold it to Biru at a loss of 26%. Biru spent ₹102 on its transportation and sold it to Minu at a profit of 50%. If Minu bought it for ₹1,374, then what is the value of x?

A. 1,060

B. 1,100 ✓

C. 1,080

D. 1,120

Q32 Dividing Quantity in Ratio

In a local club election, the two candidates received votes in the ratio 7 : 5. If the total number of votes cast was 360, how many votes did the winning candidate receive?

A. 210 ✓

B. 180

C. 240

D. 200

Q33 Find SI

Find the simple interest (in ₹) on ₹1,200 at an interest rate of 6% per month in 10 months.

A. 60

B. 720 ✓

C. 80

D. 120



Q34 Half-Yearly Compounding

A bank offers 6.8% compound interest per annum calculated on a half-yearly basis. A customer deposits ₹3,485 each on 1 January and 1 July of a year. At the end of the year, the amount he would have gained by way of interest is: (round off to two decimal places)

- A. ₹352.50
- B. ₹348.50
- C. ₹359.50
- D. ₹376.50

Q35 Laws of Indices

Given that $116^{0.26} = x$, $116^{0.1} = y$ and $x^z = y^4$, then the value of z is close to:

- A. 1.54
- B. 2.42
- C. 0.58
- D. 3.39

Q36 Multiple Pipes

Pipe A can fill a tank in 6 hours, pipe B can fill the same tank in 28 hours and pipe C can fill the same tank in 21 hours. The time taken (in hours) by them to fill one-fourth of the same tank if they operate together is:

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

Q37 Order of Operations

Evaluate: $16 - 5 \times 3 + 19$

- A. 19
- B. 18
- C. 22
- D. 20

Q38 Percentage Increase/Decrease

The income of Raman is ₹43,000. He saves 26% of his income. If his income increases by 20% and expenditure increases by 40%, then his savings will:

- A. increase by ₹4,131
- B. decrease by ₹4,128
- C. increase by ₹4,133
- D. decrease by ₹4,133

Q39 Successive Discount

The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 84% and 97%, shop II allows successive discounts of 42% and 94%, shop III allows successive discounts of 50% and 85% and shop IV allows successive discounts of 89%, 37% and 82% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

- A. I
- B. II
- C. III
- D. IV

Q40 Surface Area (TSA/LSA)

The total surface area of a cube having side 65 cm is:

- A. 25386 cm²
- B. 25350 cm²
- C. 25332 cm²
- D. 25320 cm²

Q41 Volume

A cylindrical tank of radius 2 m and height 7 m is completely filled with water. After 10% of the water leaks out, in a larger tank the remaining water is mixed with milk in the ratio 4 : 1. How many litres of milk is added to the water in the larger tank? (Use $\pi = 22/7$)

- A. 19400
- B. 19800
- C. 18400
- D. 17800

Q42 Weighted Average

A student scores 80 on an assignment that carries a weight of 40%, and 70 on a project that carries a weight of 60%. What is the weighted average score?

- A. 72
- B. 70
- C. 74
- D. 80



Q43 Weighted Average

The weights assigned to four subjects are 2, 3, 4 and 1, respectively. A student scores 60, 70, 80 and 90 in these subjects. What is the weighted mean of the marks?

A. 78

B. 64

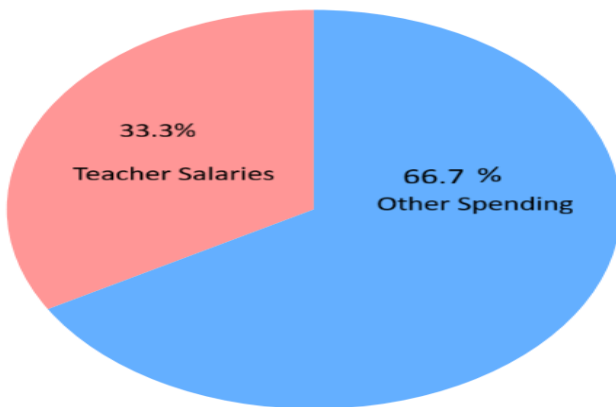
C. 68

D. 74

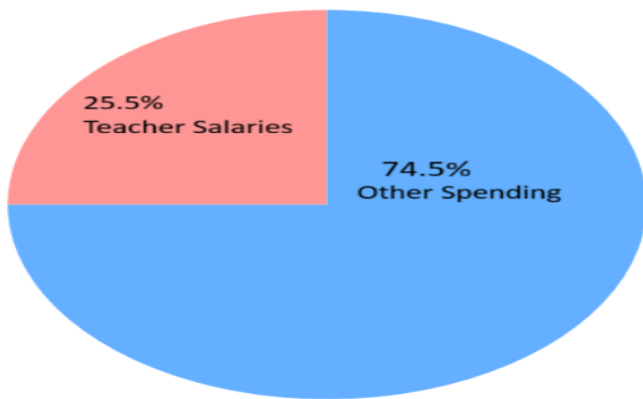
**Q44 Double Pie Chart**

As the multiple pie charts below depict, School A spends 33.3% of its budget on teacher salaries while School B spends 25.5% of its budget on the same. If both have equal total budgets of ₹36,00,000, how much more (in ₹) does School A spend on salaries than School B?

School A Budget



School B Budget



A. 5,00,000

B. 2,00,000

C. 4,00,000

D. 2,80,800



Q45 Mean Proportional

What is the mean proportional between $3 + \sqrt{2}$ and $12 - \sqrt{32}$?

A. $3\sqrt{6}$

B. $2\sqrt{7}$ ✓

C. $3\sqrt{7}$

D. $2\sqrt{6}$

Q46 Mean of Grouped Data

What is the value of $(9x + 2y)$, if mean of the following distribution is 64?

Class	0-20	20-40	40-60	60-80	80-100	Total
Frequency	8	20	x	6	y	80

A. 106

B. 94

C. 113 ✓

D. 99

Q47 Pythagorean Identities

What is the value of $[(1 + \cot^2 A) + (1 + \frac{1}{\cot^2 A})] \times \sin^2 A \cos^2 A$?

A. 5

B. 4

C. 1 ✓

D. 3

Q48 Ratio Comparison

Weight of Manoj is $\frac{5}{7}$ times of weight of Sanju. By what fraction weight of Sanju is more than the weight of Manoj?

A. $\frac{2}{5}$ ✓

B. $\frac{7}{5}$

C. $\frac{3}{7}$

D. $\frac{2}{7}$



Q49 Reciprocal Relations

$\cos A = \frac{9}{41}$, এবং A সূক্ষ কোণ হলে, $\operatorname{cosec} A \cos A + \sec A \sin A$ এর মান নির্ণয় করুন।

A. $4\frac{241}{360}$

B. $3\frac{119}{180}$

C. $5\frac{317}{360}$ ✓

D. $2\frac{131}{180}$

Q50 Surds

$\frac{\sqrt{264} \times \sqrt{330} \times \sqrt{1125}}{\sqrt{1296} \times \sqrt{400}}$ का मान ज्ञात कीजिए।

A. $\frac{11}{2}$

B. $\frac{38}{3}$

C. $\frac{55}{4}$ ✓

D. $\frac{89}{6}$

General Intelligence & Reasoning

30 Questions • Answer Key

Q51 Alpha-Numeric Series

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

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

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

A. Three ✓

B. Four

C. Two

D. One

Q52 Alpha-Numeric Series

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

(Left) 6 3 7 1 2 3 8 6 4 2 9 7 1 3 8 5 3 2 1 9 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 even digit?

A. None

B. Two

C. One ✓

D. Three



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Q53 Alphabet / Word Test

Each of the digits in the number 6743219 is arranged in ascending order from left to right. What will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

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

**Q54 Alphabet / Word Test**

If 1 is added to each even digit and 1 is subtracted from each odd digit in the number 5891632, what will be the difference between the greatest and smallest digits in the number thus formed?

- A. 8
- B. 5
- C. 7
- D. 9

**Q55 Facing Center**

B, D, E, P, S, T and W are sitting around a circular table, facing the centre of the table. Only two people sit between B and T when counted from the left of T. E sits third to the left of W. P sits to the immediate right of W. P sits second to the left of B. S is not an immediate neighbor of E. How many people sit between D and W when counted from the right of D?

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

**Q56 Floor/Building Arrangement**

Seven boxes I, J, K, Q, R, S and T are kept one over the other but not necessarily in the same order. Only Q is kept above I. Only R is kept between J and K. Only S is kept below J. How many boxes are kept between R and Q?

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

**Q57 Floor/Building Arrangement**

A, G, H, P, S and Y live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on, till the topmost floor, which is numbered 6.

S lives on floor number 5. G lives on a floor above S. Only Y lives below H. P lives on an even-numbered floor.

How many people live below A?

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

**Q58 Group Pattern**

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

SHR APZ IXH QFP ?

- A. YNI
- B. NXY
- C. NYX
- D. YNX

**Q59 Letter Analogy**

QP 5 is related to TL -6 in a certain way. In the same way, HG 9 is related to KC -2. To which of the following is LK 19 related, following the same logic?

- A. DG 7
- B. JI 5
- C. OG 8
- D. FT 6

**Q60 Letters Between Two Positions**

The question is based on the following words.

(Left) EYE, SAT, EAR, CAT (Right)

How many letters in the English alphabetical order are there between the third letter of the third word from the right and the second letter of the first word from the left?

- A. Three
- B. Five
- C. Six
- D. Four



Q61 Letters Between Two Positions

The question is based on the given words.

(Left) TOFU, BOTH, FARE, SANE, ZERO (Right)

How many letters in the English alphabetical order are there between the fourth letter of the first word from the left and the first letter of the first word from the right?

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

**Q62 Letters in a Given Word**

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

- A. L
- B. J
- C. D
- D. F

**Q63 Missing Number**

What should come in place of '?' in the given series?
7 21 43 73 111 ?

- A. 153
- B. 157
- C. 163
- D. 151

**Q64 Operation Based**

57 is related to 173 following a certain logic. Following the same logic, 65 is related to 197. To which of the given options is 49 related, following the same logic?
(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 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.)

- A. 149
- B. 175
- C. 136
- D. 122

**Q65 Operation Based**

33 is related to 136 following a certain logic. Following the same logic, 28 is related to 116. To which of the given options is 18 related, following the same logic?

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

- A. 76
- B. 77
- C. 84
- D. 74

**Q66 Pattern Based**

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

BUNK - BKNU - KNUB
POUR - PRUO - RUOP

- A. MONK - OMNK - KONM
- B. DEAR - DRAE - RAED
- C. VENT - VETN - ENTV
- D. RING - RNIG - GNIR

**Q67 Pattern Based**

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of ::?

GOT : # :: % : SFM

- A. # = JRW, % = PCJ
- B. # = KPS, % = PGJ
- C. # = GRW, % = PGJ
- D. # = JPW, % = PCJ



Q68 Position Pattern

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the 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. ZDC

B. WAZ

C. XBA

D. EJH

**Q69 Position Pattern**

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

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

A. QS - VX

B. MO - RT

C. EG - JL

D. IK - NQ

**Q70 Position from Left/Right**

All 54 people are standing in a row facing North. Aruna is 18th from the left end while Tripti is 17th from the right end. How many people are there between Aruna and Tripti?

A. 19



B. 17

C. 18

D. 20

Q71 Rearrangement of Letters

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

A. 11

B. 9



C. 13

D. 12

Q72 Single Row (One-way/Both-way)

Seven people, P, Q, S, T, U, V, and W, are sitting in a row, all facing the north. There are exactly five people between P and T. W sits immediately to the left of T. There is exactly one person between W and Q. S sits somewhere to the left of U but to the right of V. Based on the given information, who is sitting third from the left end of the line?

A. P

B. S



C. Q

D. W

Q73 Symbol Based

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

How is M related to K if 'M % E # W - P @ K'?

A. Husband

B. Son

C. Brother



D. Father

Q74 Symbol Based

In a certain code language,
A @ B means 'A is the mother of B',
A # B means 'A is the brother of B',
A \$ B means 'A is the wife of B',
A % B means 'A is the father of B'.

How is Cori related to Marsha if 'Cori @ Ashley \$ Shana % Jess # Marsha'?

A. Mother's sister

B. Father's sister

C. Father's mother

D. Mother's mother



Q75 Symbol Included Pattern

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

(Left) 1 T 5 # 6 % G F 4 & J @ S R 7 ! N * Q H \$ (Right)

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

A. None



B. Two

C. Three

D. One

Q76 Symbol Substitution

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

80 D 10 C 3 A 12 B 7 = ?

A. 30

B. 27

C. 29



D. 28

Q77 Two Statement Sufficiency

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements is sufficient to answer the question. Read both the statements and select the appropriate answer.

Q. Amu, Bari, Cona, Dinu and Ess are sitting around a circular table, facing the centre. Who sits to the immediate right of Cona?

(I) Amu sits second to the right of Bari. Cona sits second to the left of Bari.

(II) Dinu sits second to the right of Ess. Amu sits to the immediate right of Dinu.

A. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.



B. Data in statement II alone is sufficient to answer the question while data in statement I is not.

C. Data in statements I and II together are NOT sufficient to answer the question.

D. Data in statement I alone is sufficient to answer the question while data in statement II is not.

Q78 Two Statement Sufficiency

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Among five sticks, V, H, Y, D and N each having a different height, which stick is the tallest?

(I) H is shorter than V but taller than Y.

(II) D is taller than N.

A. Both statements I and II together are NOT sufficient to answer the question



B. Data in Statement II alone is sufficient to answer the question while data in statement I is not

C. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.

D. Data in Statement I alone is sufficient to answer the question while data in statement II is not

Q79 Two Statement Sufficiency

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Among five sticks, V, H, Y, D and N each having a different height, which stick is the tallest?

(I) Y is shorter than N.

(II) D is taller than N.

A. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.

B. Data in Statement II alone is sufficient to answer the question while data in statement I is not

C. Both statements I and II together are NOT sufficient to answer the question



D. Data in Statement I alone is sufficient to answer the question while data in statement II is not

Q80 Word to Code Mapping

In a certain code language, 'learn from mistakes' is coded as 'wg ht kc' and 'mistakes shape us' is coded as 'aq sn ht'. How is 'mistakes' coded in the given language? (All codes are two-letter codes.)

A. aq

B. wg

C. kc

D. ht



Q81 Civilian Awards

Which prominent tribal icon and former three-time chief minister of Jharkhand was officially conferred with the Padma Bhushan award posthumously in 2026?

- A. Shri Shibu Soren ✓
- B. Shri Madhu Koda
- C. Shri Arjun Munda
- D. Shri Babulal Marandi

Q82 Conflicts & Peace Processes

On 3 January 2026, the US military conducted "Operation Resolve" — a surprise raid on which country's capital to capture its president, who was then flown to New York to face narco-terrorism charges?

- A. Venezuela ✓
- B. Bolivia
- C. Colombia
- D. Cuba

Q83 Environment Current Affairs

What had been the theme of the International Conference on Carbon Markets–Prakriti 2026 organised by the Bureau of Energy Efficiency under the Ministry of Power and Ministry of Environment, Forest and Climate Change in New Delhi?

- A. Promoting Green Technology for Net Zero and Energy Security
- B. Building Climate Resilience through Clean Energy Innovation and Finance
- C. Accelerating Renewable Energy for Sustainable Industrial Transformation
- D. Unlocking Carbon Finance for NDC Implementation through Global Partnerships and Digital Pathways ✓

Q84 Government Policies & Schemes

Which week-long governance and capacity-building initiative, observed from 2–8 April 2026 to mark the Foundation Day of the Capacity Building Commission and five years of Mission Karmayogi, included an interactive session on Indian Knowledge Systems (IKS) organised by the Department of Higher Education?

- A. Sadhana Saptah 2026 ✓
- B. Viksit Bharat Saptah 2026
- C. Karmayogi Governance Week 2026
- D. National Education Advancement Week 2026

Q85 Individual Records

What achievement is associated with Siddhant Banthia in recent Indian sports news of May month of 2026?

- A. Winning a national badminton championship
- B. Receiving the Arjuna Award for excellence
- C. Claiming a doubles tennis title with Alexander Donski ✓
- D. Captaining the Indian cricket team in a series win

Q86 Individual Records

At the 2026 World Athletics Indoor Championships in Toruń, Poland, which athlete broke the men's indoor heptathlon world record, surpassing a mark that had stood since the 2012 Istanbul Championships?

- A. Damian Warner
- B. Kevin Mayer
- C. Niklas Kaul
- D. Simon Ehammer ✓

Q87 Individual Records

In May 2026, Indian sprinting witnessed a historic moment at the Federation Cup in Ranchi. Who became the first Indian man to break the 10.10-second barrier in the 100m?

- A. Animesh Kujur
- B. Yashas P
- C. Vishal TK
- D. Gurindervir Singh ✓

Q88 Key Announcements

As per the announcement by the Union Finance Minister of India, how many Day Care Cancer Centres will the Government set up in district hospitals in 2025–26?

- A. 300
- B. 500
- C. 400
- D. 200 ✓



Q89 Key Announcements

Under the modified interest subvention scheme, what is the new credit limit for loans taken through Kisan Credit Cards as per Budget 2025?

A. ₹6 lakh

B. ₹5 lakh



C. ₹4 lakh

D. ₹3 lakh

Q90 Military Exercises

Which multilateral naval exercise did the Indian Navy host off the coast of Visakhapatnam in February 2026, involving 42 ships and 29 aircraft?

A. Varuna

B. MILAN



C. Konkan

D. Malabar

Q91 National Current Affairs

In the West Bengal Legislative Assembly elections of April-May 2026, which political party secured its first-ever victory in terms of winning Assembly representation in the state?

A. Left Front

B. Indian National Congress

C. Trinamool Congress

D. Bharatiya Janata Party

**Q92 New Apps & Portals**

In February 2026, Union Minister of Minority Affairs Kiren Rijiju launched the NIGRANI App under which scheme to help bridge infrastructural gaps across India?

A. Prime Minister Employment Generation Programme

B. National Urban Livelihoods Mission

C. Pradhan Mantri Jan Vikas Karyakram



D. Pradhan Mantri Gram Sadak Yojana

Q93 Policy Changes & Amendments

The Jan Vishwas (Amendment of Provisions) Bill, 2026, builds upon the Jan Vishwas Act, 2023, by promoting which major shift in India's regulatory enforcement framework?

A. Replacing civil penalties with mandatory imprisonment

B. Expanding preventive detention for economic offences

C. Centralising all regulatory powers under the Union Government

D. Decriminalising minor offences to improve ease of doing business

**Q94 Recent Tournaments**

The Asian Weightlifting Championships 2026, in which India won 10 medals, had been held in which city?

A. Pune

B. Birmingham

C. Gandhinagar



D. Jiangshan

Q95 Science & Technology Current Affairs

The second edition of the International Conference on Spacecraft Mission Operations (SMOPS-2026), organised with the participation of ISRO and international space organisations, had been held in which Indian city?

A. Pune

B. Chennai

C. Hyderabad

D. Bengaluru

**Q96 Science & Technology Current Affairs**

Which organization launched the Young Scientists Programme, YUVIKA-2026, to nurture scientific curiosity among young students in India?

A. Indian Space Research Organisation



B. Council of Scientific and Industrial Research

C. Ministry of Education

D. National Council of Educational Research and Training



Q97 Science & Technology Current Affairs

Which organisation had signed a Memorandum of Understanding with ISRO Telemetry, Tracking and Command Network (ISTRAC) in May 2026 for technological advancement in deep space missions and development of indigenous high power systems?

- A. Space Applications for Microwave Engineering and Research
- B. Semiconductor Applications and Microwave Engineering Research
- C. Society for Applied Microwave Electronics Engineering and Research ✓
- D. Scientific Association for Microwave Electronics and Radar

Q98 Science & Technology Current Affairs

In November 2025, ICMR licensed indigenous diagnostic tools for the rapid detection of vector-borne diseases. Which technology primarily enables this single-tube simultaneous detection of Dengue, Chikungunya, and Zika?

- A. CRISPR-Cas9 Based Fever-Scan Tool
- B. Portable RT-PCR device
- C. AI-Enabled Dengue Sentinel Platform
- D. Single-tube Multiplex Real-Time RT-PCR Method ✓

Q99 Species Conservation

Which National Park was in the news in 2026 after nine cheetahs from Botswana were released into quarantine enclosures under Project Cheetah?

- A. Gir National Park, Gujarat
- B. Hemis National Park, Ladakh
- C. Kaziranga National Park, Assam
- D. Kuno National Park, Madhya Pradesh ✓

Q100 Summits & Conferences

Which Indian body hosted the 68th Session of the Governing Body Meeting of the Asian Productivity Organization in May 2026?

- A. Ministry of External Affairs
- B. All India Business & Community Foundation
- C. NITI Aayog
- D. National Productivity Council ✓



General Science

25 Questions • Answer Key

Q1 Animal Kingdom (Phyla Overview)

During rehabilitation, a patient with vertebral damage has impaired organ coordination. Which vertebrate feature underlies this complication?

- A. Protective single-layered skin
- B. Simple external limb appendages
- C. Basic independent cell clusters
- D. Complex organ system integration ✓

Q2 Atomic Structure & Models

Which of the following correctly describes a proton?

- A. Neutral particle
- B. Negatively charged particle
- C. Positively charged particle ✓
- D. Particle with no mass

Q3 Atomic Structure & Models

Which of the following best represents the characteristic properties of isotopes?

- A. The chemical properties of isotopes are different but their physical properties are similar.
- B. Both the chemical and physical properties of isotopes are different.
- C. Both the chemical and physical properties of isotopes are similar.
- D. The chemical properties of isotopes are similar, but their physical properties are different. ✓

Q4 Basic Organic Chemistry

Compounds that differ by a $-\text{CH}_2-$ unit belong to which type of chemical grouping?

- A. Ionic compound
- B. Functional group
- C. Homologous series ✓
- D. Structural isomer

Q5 Cell Biology

Complete the analogy.

Hypotonic solution : Cell Swells :: Hypertonic solution : _____.

- A. Cell Shrinks ✓
- B. Cell Divides
- C. Cell becomes rigid
- D. Cell stays same

Q6 Cell Structure & Organelles

In animal cells, the breakdown of pyruvate using oxygen during aerobic respiration occurs in the _____.

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

Q7 Chemical Bonding (Ionic, Covalent)

Which statement explains why covalent compounds generally have low melting points?

- A. Strong ionic attractions
- B. Metallic bonding
- C. Free electrons
- D. Weak intermolecular forces ✓

Q8 Current Electricity (Ohm's Law, Circuits)

In a circuit, two resistors R_1 and R_2 are connected in parallel. If $R_1 = 4\ \Omega$ and $R_2 = 12\ \Omega$, and the total voltage across the parallel combination is 6V, what is the total current flowing in the circuit?

- A. 10 A
- B. 1.5 A
- C. 8 A
- D. 2 A ✓



Q9 Current Electricity (Ohm's Law, Circuits)

If a resistor is connected across a battery and used for a longer time period, which of the following will increase, assuming current and resistance remain constant?

- A. The resistance of the resistor
- B. The charge per unit time
- C. The total heat produced in the resistor ✓
- D. The potential difference across the resistor

Q10 Mechanics

A velocity-time graph for a car moving with uniform velocity starts at $t=0$ s and ends at $t=10$ s, always at 5 m/s. What is the shape of the graph?

- A. A curve rising above 5 m/s
- B. A straight line rising from 0 to 5 m/s
- C. A straight horizontal line at 5 m/s ✓
- D. A straight line falling from 5 to 0 m/s

Q11 Mechanics

A rescue team uses a long steel rod as a lever to lift a heavy concrete slab. To minimize the force required, where should the fulcrum be positioned?

- A. Near the point where the force is applied
- B. Away from both the slab and the effort
- C. Near the slab being lifted ✓
- D. Exactly halfway between the slab and the effort

Q12 Mirrors & Lenses

Which of the following statements is FALSE for a converging lens?

- A. The concentration of sunlight at a point due to the converging lens generates heat.
- B. The bright spot formed on the paper by the converging lens is a virtual image of the Sun. ✓
- C. The light from the Sun, before reaching the converging lens, consists of parallel rays.
- D. A converging lens can focus sunlight to form a sharp bright spot on paper.

Q13 Mixtures, Solutions, Colloids

Which of the following statements is true for homogeneous mixtures?

- A. The particles of a solution are smaller and cannot be seen with the naked eye. ✓
- B. The components of the mixture can be separated by filtration.
- C. They show the Tyndall effect.
- D. The solute particles settle down when it is left undisturbed.

Q14 Nervous System & Brain

Which part of a neuron receives information from the environment?

- A. Nucleus
- B. Dendrite ✓
- C. Axon
- D. Synapse

Q15 Newton's Laws of Motion

Which situation demonstrates the correct application of the force formula?

- A. A 4 kg object accelerates at 3 m/s squared and a force of 20 N is applied
- B. A 5 kg object accelerates at 2 m/s squared and a force of 10 N is applied ✓
- C. A 2 kg object accelerates at 5 m/s squared and a force of 15 N is applied
- D. A 10 kg object accelerates at 1 m/s squared and a force of 5 N is applied

Q16 Physical & Chemical Properties

Which of the following statements correctly describes the behaviour of different metals when heated in air?

- A. All metals burn in air with the same intensity and form metal oxides
- B. Potassium and sodium react so vigorously with oxygen that they catch fire ✓
- C. Iron and copper burn with a flame producing metal oxides
- D. Silver and gold burn in air and form thick oxide coatings



Q17 Plant Kingdom (Divisions)

Two vascular plants: one produces seeds in cones, the other has seeds in fruits. Which statement accurately distinguishes these groups?

- A. First is pteridophyte, second is bryophyte
- B. First is bryophyte, second is gymnosperm
- C. First is angiosperm, second is pteridophyte
- D. First is gymnosperm, second is angiosperm

Q18 Plant Tissues & Transport

Complete the analogy.

Dye in water : Diffusion :: Roots absorbing water :

_____.

- A. Evaporation
- B. Osmosis
- C. Photosynthesis
- D. Filtration

Q19 Pollution (Air, Water, Soil, Noise)

Why is composting considered environmentally beneficial?

- A. It generates biodegradable waste
- B. It increases non-biodegradable waste
- C. It converts organic waste into useful manure
- D. It releases toxic gases

Q20 Pollution (Air, Water, Soil, Noise)

Why cannot pesticide residues always be removed from food by washing?

- A. Because they evaporate easily
- B. Because they are present only on the surface
- C. Because they dissolve in water
- D. Because they are accumulated within the tissues

Q21 Reflection & Refraction

Why does white light split into different colours when passing through a prism but not when passing through a glass slab?

- A. Because a prism is thinner than a slab
- B. Because a prism has non-parallel sides
- C. Because a prism is transparent
- D. Because a prism is made of a different material

Q22 Types (Combination, Decomposition, etc.)

What is the main characteristic of a double displacement reaction?

- A. Exchange of ions between reactants
- B. Combination of two elements
- C. Removal of hydrogen from acid
- D. Gain of oxygen by a substance

Q23 Wave Properties (Frequency, Wavelength)

If two sounds have the same frequency but different amplitudes, what will be different?

- A. Their speed will be different
- B. Their loudness will be different
- C. Their pitch will be different
- D. Their direction will be different

Q24 Work, Energy & Power

Which statement about power is correct?

- A. Power depends only on force.
- B. Power and work have the same SI unit.
- C. Power measures how quickly work is done.
- D. Power is independent of time.

Q25 pH Scale & Indicators

Methyl orange turns red in:

- A. Base only
- B. Both acid and base
- C. Neutral solution
- D. Acid only



Q26 Annual Compounding

At what rate per cent per annum will a sum of money multiply itself by 46 times in 2 years, interest being compounded annually? (Give your answer correct to one decimal place)

A. 570.4

B. 588.5

C. 578.2



D. 582.2

Q27 Annual Compounding

A sum of ₹1,000 is invested for 2 years at 10% per annum compound interest, compounded annually. Find the compound interest earned at the end of 2 years (in ₹).

A. 200

B. 210



C. 220

D. 230

Q28 Average Speed

Anirudh travels 55 km at 11 km/h, 65 km at 13 km/h, and 120 km at 20 km/h. What is his average speed (in km/h)?

A. 14

B. 15



C. 16

D. 18

Q29 Basic TSD

Kaushal travelled for 7 hours 31 minutes at the speed of 120 km/h. At what speed (in km/h) should he travel to cover the same distance in 22 hours?

A. 38

B. 41



C. 43

D. 39

Q30 Basic Time & Work

16 typists working 8 hours a day can type 172 pages in 6 days. How many typists will be required to type 215 pages in 4 days if they work 6 hours a day?

A. 25

B. 35

C. 40



D. 20

Q31 CP-SP Relation

A shopkeeper sells 21 chocolates for ₹1 and makes a profit of 100%. How many chocolates did he purchase for ₹1?

A. 42



B. 43

C. 63

D. 69

Q32 Find SI

Find the simple interest (in ₹) if a sum of ₹600 is borrowed for 2.5 years at 12% per annum rate of interest.

A. 180



B. 280

C. 160

D. 230

Q33 Finding Present Age

A is 4 years older than B. After 5 years, the sum of their ages will be 50. Find B's present age.

A. 26 years

B. 8 years

C. 18 years



D. 16 years

Q34 Finding Value from Percentage

In an election between two candidates, 10% of the total votes were declared invalid, and all valid votes were cast in favour of either of the two candidates. If the winner secured 53% of the valid votes and won the election by 1,620 votes, find the total number of votes polled.

A. 27,000

B. 32,000

C. 28,000

D. 30,000



Q35 Grouped Data Median

An insurance company obtained the following data for accident claims from a particular region. Obtain the median (in thousand rupees) from this data. (Round off to two decimal places)

Account of claim (in ₹ thousand)	Frequency
1-4	7
4-7	53
7-10	87
10-13	56
13-16	24
16-19	16
19-22	6
22-25	5

A. 4.21

B. 8.65

C. 6.11

D. 9.31 **Q36 HCF/LCM Word Problems**

A school wants to distribute 60 pencils and 75 erasers to students, such that all of them get an equal number of pencils and an equal number of erasers with no items left over. What is the maximum number of students who can receive this gift?

A. 10

B. 15 

C. 5

D. 25

Q37 Median

The mean and the mode of a set of data are 50.7 and 66.9, respectively. Find the median of the data, using the empirical formula.

A. 56.3

B. 56.7

C. 56.1 

D. 57.6

Q38 Percentage Increase/Decrease

The cost of a washing machine is 44% less than the cost of a TV. If the cost of the washing machine increases by 78% and that of the TV decreases by 70%, then what is the percentage change in the total cost of 7 washing machines and 2 TVs?

A. Increase by 21%

B. Decrease by 30%

C. Decrease by 34%

D. Increase by 28% **Q39 Rules for 2,3,4,5,6**

What is the least value that must be assigned to A so that the 8-digit number 796A6351 is divisible by 3?

A. 5

B. 1

C. 3

D. 2 **Q40 Successive Discount**

The marked price of a cooker is the same at four shops I, II, III and IV. Shop I allows two successive discounts of 73% and 16%, shop II allows successive discounts of 59% and 18%, shop III allows successive discounts of 49% and 66% and shop IV allows successive discounts of 84%, 67%, and 94% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

A. II

B. III

C. IV 

D. I

Q41 Surface Area (TSA/LSA)

A cube has a total surface area of 294 cm^2 . A smaller cube is cut from one of its corners such that the edge of the smaller cube is one-third the edge of the original cube. Find the surface area of the remaining solid.

A. 282 cm^2 B. 294 cm^2 C. 306 cm^2 D. 270 cm^2 **Q42 Time-based Partnership**

Jatin and Kiran start a business by investing ₹1,20,000 and ₹80,000, respectively. After 8 months, Jatin withdraws ₹20,000. If the total profit at the end of the year is ₹29,000, find Kiran's share of the profit.

A. ₹14,000

B. ₹18,000

C. ₹12,000 

D. ₹17,000



Q43 Weighted Average

The average weight of all the students of a class is 36.5 kg. The average weight of all the boys in the class is 40 kg and that of all the girls is 32.3 kg. The ratio of the number of boys to the number of girls in the class is:

A. 5 : 6

B. 5 : 7

C. 6 : 5



D. 7 : 5

Q44 Combined Work Rate

In a class, Bhanu can do a piece of homework in 4 days, Jaya can do this work in 12 days, and Mounica can do the same work in 8 days. Working together, how many days will they take to complete the work?

A. $2\frac{9}{11}$

B. $2\frac{1}{11}$

C. $2\frac{2}{11}$

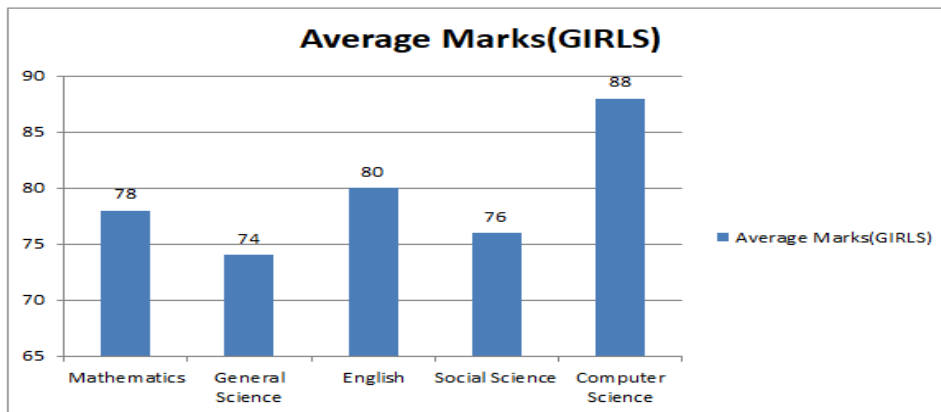
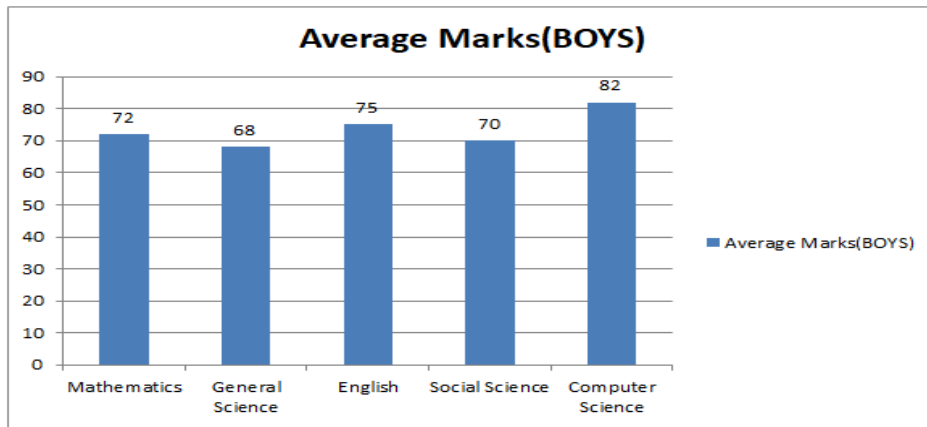


D. $2\frac{5}{11}$



Q45 Comparative Analysis

The following bar graphs show the average marks (out of 100) in five subjects obtained by Boys and Girls in Class 8 of a school.



Compute the difference between overall average score for Girls and Boys (to one decimal place).

A. 5.6

B. 5.8



C. 5.5

D. 5.4

Q46 Congruence & Similarity

In $\triangle ABC$, $DE \parallel AC$, where D and E are the points on sides AB and BC, respectively. If $BD = 5$ and $AD = 14$ cm, then what is the ratio of the area of $\triangle BDE$ to that of the trapezium ADEC?

A. 19 : 12

B. 336 : 25

C. 25 : 336



D. 21 : 23



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Q47 Index Simplification

Simplify the following:

$$\left(\frac{3^4 \times 3^{-2}}{3^{-1}} \right)^2 \div 3^5$$

A. 1

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

C. 3

D. $\frac{2}{3}$ **Q48** Pythagorean Identities

What is the value of the following expression?

$$\tan A \left[\frac{\sec A + \tan A}{\operatorname{cosec} A - \cot A} \right]$$

A. $\frac{1 - \cos A}{1 + \sin A}$ B. $\frac{1 - \sin A}{1 + \cos A}$ C. $\frac{1 + \sin A}{1 - \cos A}$ D. $\frac{1 + \cos A}{1 - \sin A}$ **Q49** Surface Area (TSA/LSA)The area of four walls of a room is 336 m^2 . The length of the room is thrice its breadth. If the heightA. 139 m^2 B. 147 m^2 C. 150 m^2 D. 143 m^2 **Q50** Trigonometric IdentitiesIf $\sec^2 \alpha = \frac{4ab}{(a+b)^2}$, then:A. $a = b$ B. $a = -b$ C. $a = \frac{1}{b}$ D. $a = -\frac{1}{b}$ 

Q51 Alpha-Numeric Series

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

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

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

A. 3

B. 4

C. 6

D. 5

Q52 Alphabet / Word Test

Each of the digits in the number 8539264 is arranged in descending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

A. One

B. Three

C. None

D. Two

Q53 Basic Direction

Town X is to the west of Town Y. Town L is to the north of Town X. Town M is to the south of Town X. Town L is to the north-west of Town Y. Town A is to the east of Town Y. What is the position of Town L with respect to Town A?

A. North-east

B. North-west

C. East

D. South

Q54 Facing Center

A, B, C, D, E and F are sitting around a circular table, facing the centre.

B sits second to the left of D. C is an immediate neighbour of F. B sits to the immediate right of F. A sits second to the left of E.

What is the position of A with respect to F?

A. Immediate right

B. Third to the left

C. Second to the right

D. Second to the left

Q55 Facing Center

B, D, E, P, S, T and W are sitting around a circular table, facing the centre of the table.

Only two people sit between E and B when counted from the right of E. Only two people sit between B and S. Only three people sit between E and W. D sits to the immediate left of T.

How many people sit between E and P when counted from the left of P?

A. Four

B. Three

C. One

D. Two

Q56 Floor/Building Arrangement

Seven boxes, G, H, I, B, C, D and E, are kept one over the other, but not necessarily in the same order.

Only two boxes are kept below I. H is kept at some place below B. Only one box is kept above D. Only one box is kept between D and C. G is kept immediately above E. How many boxes are kept between B and G?

A. Four

B. One

C. Three

D. Two

Q57 Floor/Building Arrangement

A, B, C, D, S and T live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6. A lives on the topmost floor. Only three people live between A and C. T lives on a floor below C. S lives on an even numbered floor. B lives on an odd numbered floor but not on floor number 5. How many people live between D and C?

A. Two

B. Three

C. Zero

D. One



Q58 Floor/Building Arrangement

A, B, C, D, S and T live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6. Only two people live between D and B. Only A lives above T. S lives on an even numbered floor. D lives on the lowermost floor. How many people live between C and A?

A. Two



B. None

C. One

D. Three

Q59 Group Pattern

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

END ISH MXL QCP ?

A. VGU

B. THU

C. UHT



D. TIS

Q60 Letter to Number Mapping

In a certain code language, 'SKIN' is coded as '2381' and 'DISK' is coded as '9823'. What is the code for 'D' in the given code language?

A. 3

B. 1

C. 9



D. 2

Q61 Letters Between Two Positions

The question is based on the given words.

(Left) EAR, KID, TOM, PAT (Right)

How many letters in the English alphabetical order are there between the third letter of the second word from the left and the third letter of the second word from the right?

A. Seven

B. Eight



C. Nine

D. Six

Q62 Letters Between Two Positions

The following question is based on the given words.

(left) TRY MAT CAN JUG (right)

How many letters in the English alphabetical order are there between the second letter of the first word from the right and the third letter of the first word from the left?

A. Two

B. Five

C. Four

D. Three

**Q63 Letters in a Given Word**

Each vowel in the word CONVERT is changed to the letter immediately preceding it in the English alphabetical order and each consonant is changed to the letter immediately following it in the English alphabetical order. Which of the following letters will be third from the left in the new group of letters thus formed?

A. P

B. D

C. O



D. M

Q64 Missing Number

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

1 2 6 24 120 ?

A. 700

B. 720



C. 600

D. 800

Q65 Operation Based

14 is related to 52 following a certain logic. Following the same logic, 18 is related to 68. To which of the given options is 13 related, following the same logic?

(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.)

A. 48



B. 52

C. 50

D. 46



Q66 Operation Based

29 is related to 206 following a certain logic. Following the same logic, 35 is related to 248. To which of the following is 44 related, following the same logic?

(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 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.)

A. 311



B. 366

C. 354

D. 388

Q67 Pattern Based

Select the pair that follows the same pattern as the one followed by the two pairs given below. Both pairs follow the same pattern.

VYU-XAW
RUQ-TWS

A. XAW-ZCY



B. XZU-ZCY

C. XAW-YCX

D. XZU-YBX

Q68 Pattern Based

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: LPY :: DWF : %

A. # = KQZ, % = CXE

B. # = MQZ, % = EVG

C. # = MQX, % = CWE

D. # = KQX, % = EVG

**Q69 Pattern Based**

HKCN is related to XASD in a certain way based on the English alphabetical order. In the same way, TWOZ is related to JMEP. To which of the following options is PSKV related, following the same logic?

A. FIAL



B. FAIL

C. FEIO

D. FLIO

Q70 Position Pattern

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. RW - UZ

B. OT - RW

C. QV - TY

D. YN - LL

**Q71 Position Pattern**

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. BEG

B. RUW

C. KNP

D. HLN

**Q72 Rearrangement of Letters**

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

A. One

B. Two



C. Three

D. Four

Q73 Shortest Distance

Mr. Tosi starts from Point A and drives 18 km towards the East. He then takes a right turn, drives 13 km, turns right and drives 27 km. He then takes a right turn and drives 23 km. He takes a final right turn, drives 9 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 10 km to the South



B. 11 km to the East

C. 5 km to the North

D. 9 km to the West



Q74 Symbol Based

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

How is M related to P if 'M # E @ W % P - K'?

A. Brother



B. Wife's brother

C. Father

D. Wife's father

Q75 Symbol Based

In a certain code language,
 A @ B means 'A is the mother of B',
 A # B means 'A is the brother of B',
 A \$ B means 'A is the wife of B',
 A % B means 'A is the father of B'.

How is Shreya related to Kavita if 'Shreya # Fahaan @ Palak \$ Bhanu % Kavita'?

A. Mother's mother's father

B. Mother's mother's brother



C. Father's mother's brother

D. Father's mother's father

Q76 Symbol Included Pattern

Refer to the given letter and symbol series and answer the question that follows.

(Left) @ M + R % C @ L ? < K @ J & G % Q J = O € I @ M K & N (Right)

If all the letters are dropped from the series, then which of the following will be sixth from the right?

A. &



B. @

C. #

D. ?

Q77 Symbol Included Pattern

Refer to the given letter, number and symbol series and answer the question that follows. All numbers are single-digit numbers only.

(Left) A 4 & P % 7 @ 8 T 6 & K 2 R 5 # 3 E Ω C D (Right)

If all the numbers are dropped from the series, which of the following will be seventh from the left?

A. R

B. @

C. &



D. T

Q78 Symbol Substitution

If 'T' stands for '+' and 'U' stands for '÷', what will come in place of the question mark (?) in the following equation?

30 T 20 U 5 = ?

A. 34



B. 35

C. 33

D. 32

Q79 Symbol Substitution

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?

124 D 48 C 56 A 4 B 3 = ?

A. 111

B. 104

C. 117

D. 118



Q80 Two Statement Syllogism

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

Statements:

All apples are mangoes.
All apples are pens.

Conclusions:

(I) Some mangoes are pens.
(II) All pens are apples.

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

B. Only conclusion (II) follows.

C. Only conclusion (I) follows. ✓

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

General Awareness**20 Questions • Answer Key****Q81 Appointments & Resignations**

According to the Ministry of External Affairs, who had been appointed as India's next High Commissioner to the People's Republic of Bangladesh in April 2026?

A. Arun Kumar

B. Suresh Prasad

C. Rajiv Bansal

D. Dinesh Trivedi ✓

Q82 Civilian Awards

A senior artist from Rajasthan, recognized in early 2026, was celebrated for safeguarding an indigenous performing art rooted in spiritual and musical storytelling. Which distinguished name is linked to this honor according to official announcements?

A. Shri Bhiklya Ladakya Dhinda

B. Shri Chiranji Lal Yadav

C. Shri Gafruddin Mewati Jogi ✓

D. Shri Haricharan Saikia

Q83 Economic Current Affairs

The Adani Group is setting up a 48-megawatt cutting-edge AI green data centre in which state at an outlay of Rs 2,500 crores?

A. Bihar

B. Andhra Pradesh

C. Maharashtra

D. Telangana ✓

Q84 Environment Current Affairs

The MoSPI bulletin "Planet in Focus" covers India's environmental progress across how many specific Sustainable Development Goals (SDGs) in 2026?

A. Five goals ✓

B. Four goals

C. Three goals

D. Six goals

Q85 IT Policies & Regulation

Which pillar of the human-centric "MANAV" artificial intelligence framework explicitly addresses data, algorithmic, and digital infrastructure sovereignty?

A. Fourth Pillar

B. Third Pillar ✓

C. Second Pillar

D. First Pillar

Q86 India's Foreign Relations

What was the name of the programme in which India had been participating since April 2016, under which 56 Indian school students and 4 supervisors had been flagged off at NCERT, New Delhi, for a visit to Japan in May 2026?

A. Mirai Science Programme

B. Kizuna Science Programme

C. Samurai Science Programme

D. Sakura Science Programme ✓

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Q87 Literary & Sports Awards

In 2026, which novel received the Sahitya Akademi Award 2025 in the English language category?

- A. Requiem in Raga Janki
- B. Chronicles of the Silent River
- C. Crimson Spring ✓
- D. Jeete Jee Allahabad

Q88 National Current Affairs

On 17 November 2025, a significant Memorandum of Understanding (MoU) was signed between Gati Shakti Vishwavidyalaya (GSV) and which of the following in New Delhi?

- A. Integrated Defence Staff
- B. Defence Intelligence Agency
- C. Defence Research and Development Organization (DRDO) ✓
- D. Defence Public Sector Undertakings

Q89 National Current Affairs

According to the Supreme Court judgment delivered on March 24, 2026, in the case of Chinthada Anand v. State of Andhra Pradesh, members professing which religions had been recognised as part of the Scheduled Caste community in India?

- A. Hinduism, Sikhism and Buddhism ✓
- B. Sikhism, Islam and Buddhism
- C. Hinduism, Sikhism and Christianity
- D. Hinduism, Christianity and Buddhism

Q90 National Themed Days

National Girl Child Day 2026 was observed across India on which of the following dates to promote girls' rights and empowerment?

- A. January 24 ✓
- B. January 12
- C. March 08
- D. February 13

Q91 New Parks & Reserves

Which district in Gujarat gained international recognition with the inclusion of Chhari-Dhand in the Ramsar List in 2026?

- A. Kutch district ✓
- B. Banaskantha district
- C. Surat district
- D. Vadodara district

Q92 New Schemes & Programs

As reported in April 2026, which state government launched the 'Safe Mobility Program' under which women from Self-Help Groups (SHGs) were trained as e-rickshaw pilots to provide safe transportation services for women and girls?

- A. Rajasthan
- B. Madhya Pradesh
- C. Uttar Pradesh ✓
- D. Bihar

Q93 Policy Changes & Amendments

The Andhra Pradesh Reorganisation (Amendment) Bill, 2026, granted statutory recognition to which city as the sole and permanent capital of Andhra Pradesh?

- A. Amaravati ✓
- B. Visakhapatnam
- C. Kurnool
- D. Vijayawada

Q94 Recent Awards & Honors

Which Indian organisation had received two IEEE SA Corporate-2025 awards at a ceremony conducted in New Jersey, USA, during December 2025?

- A. Centre for Development of Telematics (C-DOT) ✓
- B. Indian Space Research Organisation (ISRO)
- C. National Institution for Transforming India (NITI) Aayog
- D. Defence Research and Development Organisation (DRDO)



Q95 Recent Tournaments

Which Indian shooter clinched the silver medal in the men's 25-meter centre fire pistol event at the ISSF World Championships 2025 in Cairo, Egypt?

A. Aishwary Pratap Singh Tomar

B. Samrat Rana

C. Gurpreet Singh



D. Anish Bhanwala

Q96 Recent Tournaments

India had made a historic return to which football tournament in 2026 after a 21-year gap by facing Australia in China?

A. SAFF U-17 Women's Championship

B. AFC U-20 Women's Asian Cup

C. AFC U-17 Women's Asian Cup



D. FIFA U-17 Women's World Cup

Q97 Recent Tournaments

Who had won the women's singles title at the Madrid Open 2026 after defeating Mirra Andreeva in the final?

A. Mirra Andreeva

B. Iga Swiatek

C. Aryna Sabalenka

D. Marta Kostyuk

**Q98 SEBI & Market Regulation**

Which organisation introduced the SWAGAT-FI portal in 2025 to simplify onboarding of long-term foreign investors through digital KYC?

A. Reserve Bank of India

B. National Payments Corporation of India

C. State Bank of India

D. Securities and Exchange Board of India

**Q99 Science & Technology Current Affairs**

BODH (Benchmarking Open Data Platform for Health AI), developed in collaboration with the National Health Authority for systematic evaluation of Health AI models, has been developed by which institution?

A. Indian Institute of Technology Kanpur



B. Indian Institute of Science

C. All India Institute of Medical Sciences

D. National Institute of Technology

Q100 Sports Current Affairs

Which institution introduced 'OmegaBall', India's first three-team football format, and proposed a national OmegaBall Club in 2026?

A. Indian Institute of Technology Madras



B. Indian Institute of Science Bengaluru

C. Indian Institute of Technology Bombay

D. Indian Institute of Technology Delhi



General Science

25 Questions • Answer Key

Q1 Atomic Structure & Models

Which of the following correctly defines the mass number of an atom?

- A. Number of protons only
- B. Sum of protons and neutrons ✓
- C. Number of electrons plus neutrons
- D. Number of electrons only

Q2 Atomic Structure & Models

Imagine a scientist is analyzing an unknown atom and finds it has a mass number of 24 and an atomic number of 12. If the atom gains two neutrons due to a nuclear reaction, what will be its new mass number?

- A. 12
- B. 24
- C. 26 ✓
- D. 14

Q3 Basic Organic Chemistry

How did Friedrich Wöhler challenge the vital force theory of organic compound synthesis?

- A. By synthesizing carbon dioxide in the lab
- B. By preparing urea from ammonium cyanate ✓
- C. By discovering the catenation property of carbon
- D. By extracting natural substances from living systems

Q4 Chemistry

The study of metals and their properties belongs to which branch of chemistry?

- A. Physical chemistry
- B. Biochemistry
- C. Inorganic chemistry ✓
- D. Analytical chemistry

Q5 Circulatory System (Heart, Blood)

Which respiratory pigment in human beings has the highest affinity for oxygen?

- A. Chlorophyll
- B. Keratin
- C. Hemocyanin
- D. Haemoglobin ✓

Q6 Current Electricity (Ohm's Law, Circuits)

The potential difference between two points in a circuit is 1 volt if:

- A. 1 coulomb of charge flows through a resistance of 1 ohm
- B. 1 joule of energy is consumed in 1 second
- C. 1 joule of work is done in moving 1 coulomb of charge ✓
- D. 1 ampere current flows for 1 second

Q7 Echo, Resonance, Doppler Effect

Which of the following actions would most effectively reduce reverberation in a large auditorium?

- A. Removing some of the seats in the auditorium
- B. Painting the walls with regular paint
- C. Adding more loudspeakers to the auditorium
- D. Installing curtains and carpets throughout the space ✓

Q8 Ecology & Environment

A prolonged drought in a forest causes widespread plant death. Based on the Earth's interconnected spheres, a likely consequence of this is:

- A. Disrupted oxygen balance across spheres ✓
- B. Increased oxygen production in the atmosphere
- C. Immediate rise in nitrogen levels in rocks
- D. Stable carbon dioxide levels in the biosphere



Q9 Ecosystem & Food Chain

In a garden ecosystem with rose plants, jasmine plants, insects, snake, and birds, which group captures solar energy and converts it into food for other organisms?

- A. Insects
- B. Rose and Jasmine plants
- C. Rose plant only
- D. Birds



Q10 Ecosystem & Food Chain

Which of the following best describes a food web?

- A. Role of decomposers at multiple trophic levels in food chains
- B. Relationship between producers in different food chains
- C. Interconnections between trophic levels in several food chains
- D. Bidirectional pathway of energy transfer in food chains



Q11 Magnetic Effects of Current

In Fleming's Left Hand Rule, which finger represents the direction of the magnetic field?

- A. The thumb
- B. The middle finger
- C. The index finger
- D. The ring finger



Q12 Mechanics

If a person walks 5 meters east, then 12 meters west along a straight path, which value represents the magnitude of the person's displacement?

- A. 5 meters
- B. 12 meters
- C. 17 meters
- D. 7 meters



Q13 Nervous System & Brain

Salivation when seeing food is an example of which type of action?

- A. Involuntary
- B. Self-propagated
- C. Voluntary
- D. Planned



Q14 Newton's Laws of Motion

A 0.6 kg soccer ball and a 1.0 kg basketball are kicked with the same acceleration. Which will experience a greater force, according to Newton's second law?

- A. The ball with higher acceleration, regardless of mass
- B. The soccer ball, because it is lighter
- C. Both experience the same force
- D. The basketball, because it has greater mass



Q15 Physical & Chemical Properties

Industrial machines made of steel often operate in moist environments. Which routine maintenance task is most effective in minimizing corrosion and ensuring machine longevity?

- A. Wiping machines with dry towels
- B. Covering machines with paper sheets
- C. Applying lubricating oil on exposed parts
- D. Spraying water on the machines



Q16 Plant Tissues & Transport

Which simple permanent tissue in plants is mainly responsible for photosynthesis and storage of food?

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



Q17 Plant Tissues & Transport

Which plant tissue is dead at maturity but functional for transport of water and minerals?

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



Q18 Pollution (Air, Water, Soil, Noise)

All of the following are consequences of overuse of nitrogen fertilisers, **EXCEPT** _____.

- A. Increased oxygen in water bodies
- B. Algal bloom formation
- C. Soil and water degradation
- D. Fish death due to oxygen depletion



Q19 Reflection & Refraction

A student observes a pencil half-immersed in water (refractive index 1.33) and notices the apparent bending is less than when the pencil is in a liquid with refractive index 1.5. What does this suggest about the relationship between refractive index and light bending?

- A. Bending is same for all liquids
- B. Greater refractive index increases bending ✓
- C. Greater refractive index reduces bending
- D. Refractive index has no effect on bending

Q20 Separation Techniques

A scientist wants to obtain pure solid iodine from its mixture with sand. Which change of temperature process should they use?

- A. Sublimation ✓
- B. Melting
- C. Condensation
- D. Freezing

Q21 Sound

Which of the following statements best explains why sound can NOT travel through a vacuum?

- A. Sound waves in a vacuum change their pitch to inaudible levels.
- B. Sound travels faster in a vacuum because there are no obstacles.
- C. Sound requires particles to transfer energy, but a vacuum has no particles. ✓
- D. Sound needs light to travel, and a vacuum lacks light.

Q22 Types (Combination, Decomposition, etc.)

Which visible change confirms displacement reaction when iron reacts with copper sulphate solution?

- A. Colourless gas evolves rapidly
- B. Solution temperature drops suddenly
- C. White precipitate forms instantly
- D. Reddish-brown copper deposits appear ✓

Q23 Work, Energy & Power

A force of 300 N acts on an object. If displacement becomes three times larger while force remains constant, work done ____.

- A. remains same
- B. becomes one-third
- C. becomes nine times
- D. becomes three times ✓

Q24 Work, Energy & Power

A force of 45 N causes an object to move 3 m in the direction of the force. Calculate the work done.

- A. 145 J
- B. 125 J
- C. 135 J ✓
- D. 155 J

Q25 pH Scale & Indicators

What is the approximate value of gastric juice in the human body?

- A. 7.0 - 7.4
- B. 10 - 11
- C. 0.9 - 1.2 ✓
- D. 6.5 - 6.8

Mathematics

25 Questions • Answer Key

Q26 $(a+b)^2, (a-b)^2$

Simplify: $(a + b)^2 - (a - b)^2$

- A. $4ab$ ✓
- B. $2ab$
- C. $a^2 - b^2$
- D. $a^2 + b^2$

Q27 Annual Compounding

Mahesh deposited a certain sum of money at 20% rate of interest per annum, compounded annually. At the end of 2 years, Mahesh received a total amount of ₹18,000. What was the sum of money deposited by Mahesh?

- A. ₹12,129
- B. ₹12,800
- C. ₹12,996
- D. ₹12,500 ✓



Q28 Arithmetic Mean

Calculate the mean from the following items.

163, 141, 155, 175, 186, 206

A. 172

B. 171



C. 173

D. 170

Q29 Average Speed

A bus travels from City A to City B, which are 210 km apart. For the last 90 km, the bus increases its speed by 5 km/h than the speed that it had been traveling. If the average speed of the journey is 42 km/h, find the total time (in hours) taken for the journey if the bus travels the whole distance at the speed at which it travelled the first part of the journey.

A. 5.62

B. 4.67

C. 4.75

D. 5.25

**Q30 Base-Height Method**

In triangle PQR, the sides PQ and PR are fixed with lengths 26 cm and 17 cm, respectively. Point S lies on side QR such that the ratio $QS:SR = 3:5$. The area of triangle PQS is 120 cm^2 . Find the area of triangle PQR.

A. 308 cm²

B. 320 cm²



C. 322.5 cm²

D. 315 cm²

Q31 Cost with Overhead Expenses

Arvind bought an article for ₹x. He sold it to Biru at a loss of 15%. Biru spent ₹157 on its transportation and sold it to Minu at a profit of 40%. If Minu bought it for ₹1,505, then what is the value of x?

A. 1,180

B. 1,060

C. 1,080



D. 1,160

Q32 Dividing Quantity in Ratio

The ratio of two numbers is 2 : 5. If their sum is 49, find the larger of the two numbers.

A. 42

B. 14

C. 25

D. 35

**Q33 Find SI**

Find the simple interest (in ₹) if a sum of ₹600 is borrowed for 2.5 years at 8% per annum rate of interest.

A. 170

B. 120



C. 100

D. 220

Q34 Finding Value from Percentage

A family with a monthly income of ₹60,000 spends 30% of this amount on food. What is the monetary value of this expenditure?

A. ₹15,000

B. ₹12,000

C. ₹18,000



D. ₹10,000

Q35 HCF/LCM Word Problems

Three ropes of lengths 12 m, 18 m, and 24 m are to be cut into pieces of equal length, with no rope left unused. What is the greatest possible length of each piece (in meters)?

A. 6



B. 3

C. 12

D. 9

Q36 Laws of Indices

Given that $52^{0.21} = x$, $52^{0.18} = y$ and $x^z = y^{10}$, then the value of z is close to:

A. 7.97

B. 6.58

C. 8.57



D. 9.66



Q37 Median

The mean and the mode of a set of data are 53.8 and 75.7, respectively. Find the median of the data, using the empirical formula.

A. 61.1



B. 60.8

C. 61.2

D. 60.5

Q38 Men, Women & Children

5 men and 15 women can complete a task in 10 days, while 15 men and 5 women can complete it in 20 days. In how many days will 40 women complete the task?

A. 10 days

B. 30 days

C. 4 days



D. 15 days

Q39 Percentage Increase/Decrease

The income of Raman is ₹68,800. He saves 18.5% of his income. If his income increases by 17% and expenditure increases by 25%, then his savings will:

A. decrease by ₹2,325

B. decrease by ₹2,322



C. increase by ₹2,325

D. increase by ₹2,319

Q40 Rules for 2,3,4,5,6

The 7-digit number 86A238B is divisible by 3. What is the minimum value of (A + B)?

A. 0



B. 3

C. 5

D. 4

Q41 SSS, SAS, ASA, AAS, RHS

Two triangles LMN and OPQ are congruent. If the area of $\triangle LMN$ is 74 cm^2 , then the area of $\triangle OPQ$ will be:

A. 74 cm^2



B. 37 cm^2

C. 148 cm^2

D. 18.5 cm^2

Q42 Simple Ratio Partnership

P, Q, and R start a business together, investing amounts in the ratio 4:5:6. If the total profit is divided among them in the same ratio and Q receives ₹15,000, what is the total profit?

A. ₹51,000

B. ₹54,000

C. ₹60,000

D. ₹45,000

**Q43 Successive Discount**

The marked price of a cooker is the same at four shops I, II, III and IV. Shop I allows two successive discounts of 17% and 35%, shop II allows successive discounts of 99% and 23%, shop III allows successive discounts of 31% and 98% and shop IV allows successive discounts of 66%, 30%, and 37% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

A. II



B. I

C. III

D. IV

Q44 Three Successive Changes

A city has a population of 80,000. The population increases by 10% in the first year, decreases by 5% in the second year, and again increases by 20% in the third year. What is the final population?

A. 1,00,320



B. 1,07,320

C. 1,01,320

D. 1,10,320

Q45 Total Surface Area

The ratio of the total surface area to the lateral surface area of a cylinder whose radius is 20 cm and height 60 cm is:

A. 4:3



B. 2:3

C. 3:2

D. 3:4



Q46 Average Speed

Sumanth covers a certain distance by car, driving at 29 km/hr, and he returns to the starting point riding on a scooter with a speed of 28 km/hr. Find the average speed for the whole journey.

A. $26\frac{28}{57}$ km/hr

B. $27\frac{28}{57}$ km/hr

C. $28\frac{28}{57}$ km/hr

D. $29\frac{28}{57}$ km/hr

**Q47 Calculation Based**

The following table shows the number of books sold by a bookstore in four categories over three months, along with the average selling price per book.

Month	Fiction	Non-Fiction	Children's Books	Academic	Avg. Selling Price per Book (₹)
Jan	1,200	900	1,500	800	250
Feb	1,400	1,000	1,600	900	260
Mar	1,300	1,200	1,700	1,000	270

In which month was the ratio of Children's Books to Academic Books sold the highest?

A. March

B. Same in all months

C. January

D. February

**Q48 Complementary Angle Values**

The value of $\left[\frac{\sin^2 25^\circ + \sin^2 65^\circ}{\cos^2 25^\circ + \cos^2 65^\circ} + \sin^2 57^\circ + \cos 57^\circ \sin 33^\circ \right]$ is:

A. 0

B. 1

C. 2

D. -1



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Q49 Reciprocal Relations

If $\sin A = \frac{4}{5}$, A is an acute angle, then find the value of $\sec A \times \sin A - \operatorname{cosec} A \times \cos A$.

A. $\frac{5}{6}$

B. $\frac{7}{12}$ ✓

C. 0

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

Q50 Weighted Average

Ravi buys 2 kg of apples at ₹100 per kg and 3 kg of bananas at ₹60 per kg. What is the average price per kg of the fruits he bought?

A. ₹76 ✓

B. ₹80

C. ₹70

D. ₹72

General Intelligence & Reasoning

30 Questions • Answer Key

Q51 Alpha-Numeric Series

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

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

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

A. One

B. Two

C. Three ✓

D. None

Q52 Alphabet / Word Test

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

(Left) D D O J J D A U B E K E H M Y V U A V I I H (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. 5

C. 2

D. 4

Q53 Alphabetical Pattern

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

CZX WTR QNL KHF ?

A. EXR

B. ERT

C. EBZ ✓

D. EBY

Q54 Floor/Building Arrangement

Nine boxes, M, N, O, P, Q, R, S, T and U, are kept one over the other, but not necessarily in the same order. P is kept at the fifth position from the top. Only three boxes are kept between P and N. N is not kept at the bottom. Only two boxes are kept between Q and N. Only S is kept between M and R. O is kept immediately below R. T is not kept immediately below N.

How many boxes are kept exactly between U and S?

A. Four ✓

B. Three

C. One

D. Two



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Q55 Floor/Building Arrangement

A, B, C, D, S and T live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6. Only B lives above C. S lives immediately below C. Only A lives below T. Who lives on floor number 3?

A. D



B. A

C. S

D. T

Q56 Letters in a Given Word

This question is based on the given words.

COW KEY FAN BAR

If in each of the words, each letter is changed to the letter immediately following it in the English alphabetical order, how many words thus formed will have no vowel?

A. Four

B. Three



C. None

D. Two

Q57 Letters in a Given Word

This question is based on the following words.

JAR ORA VET AND

In each of the words, each vowel 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. In how many letter-clusters thus formed, will no vowel appear?

A. Three

B. One

C. Four

D. Two

**Q58 Letters in a Given Word**

Each vowel in the word DECOLORISES is changed to the second letter 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. One

B. Four

C. Three



D. Two

Q59 Missing Number

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

142 199 167 224 192 249 ?

A. 217



B. 201

C. 209

D. 225

Q60 Multiple Turns

Mr. Tosi starts from Point A and drives 21 km towards the North. He then takes a left turn, drives 32 km, turns left and drives 25 km. He then takes a left turn and drives 40 km. He takes a final left turn, drives 4 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 8 km to the West



B. 5 km to the East

C. 6 km to the West

D. 9 km to the East

Q61 Operation Based

9 is related to 22 following a certain logic. Following the same logic, 11 is related to 28. To which of the following is 7 related, following the same logic?

(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, 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.)

A. 16



B. 26

C. 20

D. 18



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Q62 Operation Based

Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, a certain mathematical operation on the second number results in the third number. Which of the given options follows the same set of operations as in the question?

(NOTE: A two/three digit number cannot be broken into individual digits for operations. E.g. if 37 is followed by 10, the operation cannot be $3+7$ as a two-digit number cannot be broken into individual digits.)

$38 - 114 - 228$;
 $76 - 228 - 456$

A. $66 - 198 - 369$

B. $54 - 166 - 324$

C. $49 - 157 - 299$

D. $89 - 267 - 534$ ✓

Q63 Operator Swap

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

$$620 \times 4 + 6 \div 8 - 6 = ?$$

A. 82

B. 113 ✓

C. 72

D. 132

Q64 Pattern Based

UO 7 is related to WR -2 in a certain way. In the same way, EK 12 is related to GN 3. To which of the following is VW 2 related, following the same logic?

A. XW -6

B. XZ -7 ✓

C. GT -8

D. VX -5

Q65 Pattern Based

DMVY is related to TCLO in a certain way based on the English alphabetical order. In the same way, PYHK is related to FOXA. To which of the following options is LUDG related, following the same logic?

A. BKIO

B. BKTW ✓

C. BTRE

D. BWET

Q66 Pattern Based

Select the pair that follows the same pattern as the one followed by the two pairs given below. Both pairs follow the same pattern.

XVT-WUS
VTR-USQ

A. JGD-IGE

B. JGD-HFD

C. JHF-HGD

D. JHF-IGE ✓

Q67 Position Pattern

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

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

A. KN - LO

B. UX - VZ ✓

C. GJ - HK

D. PS - QT

Q68 Position Pattern

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. IK - MK ✓

B. PR - XZ

C. MO - UW

D. OQ - WY

Q69 Position from Left/Right

Piyush ranked 18th from the top and 62nd from the bottom in his class. How many students are there in his class?

A. 78

B. 77

C. 80

D. 79 ✓



Q70 Rearrangement of Letters

If all the letters in the word COLLEAGUE are arranged in the English alphabetical order, then which letter will be fifth from the right end in the new letter-cluster thus formed?

A. O

B. E

C. G



D. L

Q71 Single Row (One-way/Both-way)

Seven people, P, Q, S, T, U, V, and W, are sitting in a row, all facing the north. No one sits to the left of U. There are exactly four people between U and Q. Only three people sit to the right of W. T sits immediately to the left of V. P is not an immediate neighbour of W. Based on the given information, who is sitting at the rightmost end of the line?

A. T

B. S

C. Q

D. P

**Q72 Single Row (One-way/Both-way)**

Seven students, I, J, K, P, Q, R and Z, are sitting in a row, facing north. Only four people sit between Q and R. Only Q sits to the left of I. Only P sits between J and Z and J is not an immediate neighbor of R. Who sits at the extreme right of the row?

A. R

B. K



C. J

D. Q

Q73 Symbol Based

In a certain code language,
A @ B means 'A is the mother of B'
A # B means 'A is the brother of B'
A \$ B means 'A is the wife of B'
A % B means 'A is the father of B'.

How is Charu related to Atul if 'Charu # Gopal @ Rahul % Vinay \$ Atul'?

A. Wife's father's mother's brother



B. Wife's mother's mother's brother

C. Wife's mother's mother's father

D. Wife's father's mother's father

Q74 Symbol Based

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

Based on the above, how is D related to G if 'D + Y @ R # B - G'?

A. Wife's father's brother's daughter



B. Wife's father's brother's wife

C. Father's brother's daughter

D. Father's brother's wife

Q75 Symbol Included Pattern

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

(Left) 2 M & 8 L \$ 4 K % 7 G # H 7 @ 3 N ! O C * (Right)

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

A. Three



B. None

C. Two

D. One

Q76 Symbol Substitution

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

12 A 4 B 5 C 7 D 8 = ?

A. 14



B. 11

C. 12

D. 13

Q77 Symbol Substitution

If 'I' stands for '+', 'J' stands for 'x', 'K' stands for '+', and 'L' stands for '-' what will come in place of the question mark '?' in the following equation?

9 J 5 I 40 K 8 L 10 = ?

A. 54

B. 31

C. 40



D. 25



Q78 Two Statement Sufficiency

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and select the appropriate answer.

Q. Among five people – P, Q, R, S, and T – who is the oldest?

(I) P is older than Q. Q is older than R. R is older than S. S is older than T.

(II) Q is older than R.

- A. Data in statement II alone is sufficient to answer the question while data in statement I is not.
- B. Both statements I and II together are NOT sufficient to answer the question.
- C. Data in statement I alone is sufficient to answer the question while data in statement II is not. ☒
- D. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.

Q79 Two Statement Sufficiency

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Question: P, Q, R, S, and T are of different ages. Who is the oldest?

Statements:

(I) R is older than S and T, but younger than Q.

(II) Q is younger than P. P is older than R.

- A. Data in Statement II alone is sufficient to answer the question while data in statement I is not
- B. Data in Statement I alone is sufficient to answer the question while data in statement II is not
- C. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question ☒
- D. Both statements I and II together are NOT sufficient to answer the question

Q80 Word to Code Mapping

In a certain code language, 'this chair is strong' is coded as 'ra mn kb lt' and 'smoking is bad habit' is coded as 'mn tg lo cx'. How is 'is' coded in that language? (All the codes are two-letter codes only.)

- A. mn ☒
- B. tg
- C. ra
- D. cx

General Awareness

20 Questions • Answer Key

Q81 Digital India Updates

On May 2, 2026, India launched an indigenous Cell Broadcast System (CBS) for disaster alerts. Which organisation developed this technology?

- A. C-DOT (Centre for Development of Telematics) ☒
- B. ISRO (Indian Space Research Organisation)
- C. TRAI (Telecom Regulatory Authority of India)
- D. DRDO (Defence Research and Development Organisation)

Q82 Functions of RBI

In January 2026, the Delhi Government signed a Memorandum of Understanding (MoU) with which banking institution to act as its banker and debt manager?

- A. Reserve Bank of India (RBI) ☒
- B. Export-Import Bank of India (EXIM Bank)
- C. National Bank for Agriculture and Rural Development (NABARD)
- D. State Bank of India (SBI)

Q83 G7, G20, BRICS, SCO

India assumed the Chairship of which international grouping for the year 2026?

- A. ASEAN
- B. G7
- C. BRICS ☒
- D. OECD



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Q84 Government Policies & Schemes

On February 14, 2026, the Ministry of Women and Child Development organised the National Conference on Safety of Women at Workplace at Vigyan Bhawan, New Delhi. The conference was associated with which platform?

- A. Nari Shakti Portal
- B. Beti Bachao Dashboard
- C. SHe-Box
- D. Mission Poshan Tracker

Q85 HDI, GHI, etc.

According to the Germanwatch Climate Risk Index 2026, which assesses climate-related impacts for the period 1995–2024, what rank did India secure?

- A. 5th
- B. 12th
- C. 9th
- D. 7th

Q86 Health & Environment Days

According to the World Health Organization (WHO), what was the theme of World AIDS Day observed on December 1, 2025?

- A. Hope and Progress: Fighting HIV Together
- B. United for a World Without AIDS
- C. Ending AIDS: A Global Commitment
- D. Overcoming disruption, transforming the AIDS response

Q87 Individual Records

Which tennis player had won the men's singles title at the Australian Open 2026 and became the youngest male player to complete the career Grand Slam?

- A. Novak Djokovic
- B. Jannik Sinner
- C. Daniil Medvedev
- D. Carlos Alcaraz

Q88 International Awards

Which novel won the Pulitzer Prize for Fiction in 2026 for its World War I narrative blending allegory, magical realism, and science fiction?

- A. The Heaven and Earth Grocery Store
- B. Trust
- C. Angel Down
- D. Demon Copperhead

Q89 NITI Aayog

Which policy think tank and administrative body of the Government of India was in the news in May 2026 for launching the Central Prabhari Officer (CPO) Portal to strengthen real-time governance and last-mile delivery in Aspirational Districts and Blocks?

- A. NITI Aayog
- B. Finance Commission
- C. Union Public Service Commission
- D. Election Commission of India

Q90 National Current Affairs

Following the 2026 Assembly election results, in which state did the INC-led United Democratic Front (UDF) return to power after approximately a decade?

- A. Karnataka
- B. Kerala
- C. Andhra Pradesh
- D. Tamil Nadu

Q91 National Current Affairs

Which force's first all-women expedition team successfully scaled Mount Everest in 2026, receiving congratulations from Union Minister Jitendra Singh?

- A. Border Security Force
- B. Indo-Tibetan Border Police
- C. Central Reserve Police Force
- D. Sashastra Seema Bal

Q92 National Current Affairs

Which of the following Northeast cities was selected for the inauguration of the Integrated Multipurpose Indoor Sports Complex in May 2026?

- A. Agartala
- B. Imphal
- C. Kohima
- D. Shillong

Q93 National Themed Days

In which month did the Grand Finale of the 63rd National Maritime Day Celebrations take place in Mumbai in 2026?

- A. February
- B. March
- C. April
- D. January



Q94 New Schemes & Programs

In December 2025, Armed Forces Medical Services in collaboration with eHealth AI Unit of the Ministry of Health & Family Welfare (MoHFW) launched the country's first AI-assisted screening programme for which disease?

- A. Breast Cancer
- B. Stroke
- C. Tuberculosis
- D. Diabetic Retinopathy

Q95 Policy Changes & Amendments

Which important social justice legislation was passed during the Budget Session 2026?

- A. Uniform Agricultural Land Redistribution and Rehabilitation Bill, 2026
- B. National Urban Migration Regulation and Housing Equity Bill, 2026
- C. Transgender Persons Protection of Rights Amendment Bill, 2026
- D. National Digital Privacy and Electoral Authentication Act, 2026

Q96 Rankings & Reports

According to the MoSPI bulletin "Planet in Focus," which specific Sustainable Development Goal (SDG) represents India's progress in clean water and sanitation in 2026?

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

Q97 Recent Tournaments

The 60th National Cross Country Championships held on 24 January 2026 was organized in which city?

- A. Ranchi
- B. Bhopal
- C. Patiala
- D. Guwahati

Q98 Recent Tournaments

Which chess player had secured the bronze medal at the 2025 FIDE World Blitz Chess Championship conducted in Doha during December 2025?

- A. Arjun Erigaisi
- B. Nodirbek Abdusattorov
- C. Wesley So
- D. Magnus Carlsen

Q99 Supreme Court

According to the Supreme Court's 2026 ruling on trafficking and commercial sexual exploitation of minors, traffickers may be prosecuted under the Protection of Children from Sexual Offences (POCSO) Act in addition to which combination of laws?

- A. Bharatiya Nyaya Sanhita and Immoral Traffic (Prevention) Act
- B. Juvenile Justice Act and Bharatiya Sakshya Adhiniyam
- C. Bharatiya Nagarik Suraksha Sanhita and Juvenile Justice Act
- D. Information Technology Act and Immoral Traffic (Prevention) Act

Q100 Treaties & Agreements

Which two countries signed an agreement in 2025 concerning the sovereignty of the Chagos Archipelago?

- A. India and Maldives
- B. United States and Mauritius
- C. France and Seychelles
- D. United Kingdom and Mauritius



General Science

25 Questions • Answer Key

Q1 Atoms & Molecules

Which statement correctly describes the valency exhibited by phosphorus?

- A. Phosphorus exhibits only a valency of two.
- B. Phosphorus exhibits only a valency of three.
- C. Phosphorus exhibits only a valency of five.
- D. Phosphorus can exhibit valency of three or five ✓

Q2 Basic Organic Chemistry

The IUPAC name of the compound $\text{CH}_3 - \text{CH}_2 - \text{C}(\text{CH}_3)_2 - \text{CH}_2 - \text{CH}_3$ is:

- A. 3-ethylpentane
- B. 2-methylhexane
- C. 3,3-dimethylpentane ✓
- D. 2,2-dimethylpentane

Q3 Chemical Bonding (Ionic, Covalent)

Which of the following pairs of elements is most likely to form an ionic bond?

- A. Magnesium and chlorine ✓
- B. Copper and iron
- C. Nitrogen and oxygen
- D. Hydrogen and carbon

Q4 Circulatory System (Heart, Blood)

Blood is a connective tissue because it links different body systems. What is the liquid matrix in which blood cells are suspended?

- A. Platelets
- B. Plasma ✓
- C. Cytoplasm
- D. Haemoglobin

Q5 Circulatory System (Heart, Blood)

In a scenario where excess extracellular fluid is not drained back into the blood, which system's malfunction is most likely responsible?

- A. Digestive system
- B. Circulatory system
- C. Lymphatic system ✓
- D. Nervous system

Q6 Current Electricity (Ohm's Law, Circuits)

The resistivity of a material is defined as the resistance offered by a conductor of that material having:

- A. Half the length and double the cross-sectional area
- B. Unit length and unit cross-sectional area ✓
- C. Double the length and unit cross-sectional area
- D. Unit length and half the cross-sectional area

Q7 Echo, Resonance, Doppler Effect

Which of the following conditions is necessary to hear an echo clearly?

- A. Time interval must be at least 0.1 s ✓
- B. Source of sound must be very strong
- C. The reflecting surface must be soft
- D. Listener must be moving

Q8 Electromagnetic Spectrum

Which wavelength range is primarily responsible for heating the Earth's surface and contributing to the greenhouse effect?

- A. Infrared radiation ✓
- B. Ultraviolet radiation
- C. Radio waves
- D. Visible light



Q9 Extraction & Metallurgy

Which of the following statements are correct for electrolytic refining?

- a. Copper, zinc, and nickel are refined electrolytically.
- b. In this method, a thin strip of pure metal is used as cathode.
- c. The insoluble impurities settled at bottom of the anode are known as anode mud.

A. a and c only

B. All a, b and c

C. b and c only

D. a and b only

Q10 Five Kingdom Classification

A science teacher asks students to identify an organism under the microscope. The organism is single-celled, has a rigid cell wall, and produces oxygen through photosynthesis. Which organism is most likely being observed?

A. Euglena

B. Amoeba

C. Paramecium

D. Cyanobacterium

Q11 Hydrocarbons (Methane, Ethane, etc.)

Which property is most affected if the length of the carbon chain in an alkane increases?

A. Boiling point

B. Flammability

C. Electrical conductivity

D. Color

Q12 Magnetic Effects of Current

An experiment uses a compass near a straight current-carrying wire. What does the compass needle indicate?

A. The compass needle shows no movement

B. The compass needle aligns tangentially to the magnetic field circle around the wire

C. The compass needle points radially away from the wire

D. The compass needle aligns parallel to the wire

Q13 Mirrors & Lenses

If an image is formed three times the size of the object and is inverted, what is the possible position of the object with respect to a concave mirror of focal length 10 cm?

A. Object placed 13.3 cm from the mirror

B. Object placed 6.6 cm from the mirror

C. Object placed 20 cm from the mirror

D. Object placed 10 cm from the mirror

Q14 Mixtures, Solutions, Colloids

What are the two main components of a colloidal solution?

A. Reactant phase and product medium

B. Solute phase and solvent medium

C. Metal phase and non-metal medium

D. Dispersed phase and dispersion medium

Q15 Newton's Laws of Motion

Which situation demonstrates Newton's second law of motion?

A. A ball rolling at a constant speed on a flat surface

B. A heavy truck requires more force to accelerate than a small car

C. A swimmer pushes water backward and moves forward

D. A stationary object resting on a table

Q16 Newton's Laws of Motion

If a car is gradually pushed to a speed of 1 m/s, what determines the change in its momentum according to the second law of motion?

A. Only the direction of motion changes the momentum.

B. Only the mass of the car determines the change in momentum.

C. The magnitude of force alone is enough to determine the change.

D. Both the magnitude of the force and the time during which the force is applied determine the change in momentum.



Q17 Plant Hormones

In what way does geotropism support effective rooting in plants?

A. It directs photosynthetic tissues into the soil.

B. It directs roots to grow downward, anchoring the plant and helping them access moisture and nutrients.



C. It prevents roots from branching.

D. It makes roots grow toward sunlight.

Q18 Plant Tissues & Transport

Among the following, which is transported in xylem?

A. Glucose

B. Water and minerals



C. Proteins

D. Amino acids

Q19 Plant Tissues & Transport

How do root hair help plants in the process of absorbing water and minerals from the soil?

A. They transport food to leaves.

B. They synthesize food.

C. They increase the surface area of absorption.



D. They provide mechanical support.

Q20 Properties & Tests

If a student mixes acetic acid with sodium hydroxide and observes bubbling, what might explain this observation?

A. The reaction is already complete

B. Water is forming as the only product

C. A contaminant like carbonate is present



D. The reaction is very slow

Q21 Skeletal & Muscular System

A rare genetic disorder causes the hard matrix of a certain connective tissue to become less rigid, leading to frequent bone fractures. What is the most likely explanation for this observation?

A. A defect in type I collagen due to Mutation in COL1A1 or COL1A2 genes



B. Loss of proteins and sugars in cartilage matrix

C. Decrease in plasma proteins in blood matrix

D. Reduction in calcium and phosphorus compounds in bone matrix

Q22 Types (Combination, Decomposition, etc.)

What type of chemical reaction is represented by $\text{CaO(s)} + \text{H}_2\text{O(l)} \rightarrow \text{Ca(OH)}_2\text{(aq)} + \text{Heat}$?

A. Displacement reaction

B. Decomposition reaction

C. Combination reaction



D. Double displacement reaction

Q23 Wave Properties (Frequency, Wavelength)

When a tuning fork vibrates and produces sound, what type of waves is created in the surrounding air?

A. A wave where energy moves but particles do not.

B. A surface wave moving in circles.

C. A longitudinal wave with compressions and rarefactions.



D. A transverse wave with crests and troughs.

Q24 Work, Energy & Power

An object is moving eastward. Which force will definitely do negative work on it?

A. A force acting downward

B. A force acting westward



C. A force acting eastward

D. A force acting upward

Q25 Work, Energy & Power

An object is placed at a certain height above the ground. Which form of energy does it possess due to its position?

A. Chemical energy

B. Potential energy



C. Kinetic energy

D. Thermal energy



Q26 Average Speed

A cyclist covers 60 km at a speed of 20 km/h, 90 km at a speed of 30 km/h and 150 km at a speed of 25 km/h. Find the average speed of the cyclist for the entire journey.

- A. 24 km/h
- B. 25 km/h
- C. 26 km/h
- D. 27 km/h

**Q27 Basic Algebra**

If $x = 3$, what is the value of the expression $x^2 + 2x + 1$?

- A. 18
- B. 14
- C. 12
- D. 16

**Q28 Basic TSD**

A covered a distance of 84 km in 8 hours. He walked part of the distance at a speed of 6 km/hr and rode a cycle for the rest at 12 km/hr. How far did he walk?

- A. 12 km
- B. 11 km
- C. 15 km
- D. 10 km

**Q29 CP-SP Relation**

A vendor sells 22 chocolates for ₹1 and makes a profit of 50%. How many chocolates did he buy for ₹1?

- A. 35
- B. 44
- C. 33
- D. 39

**Q30 Chord Properties**

Find the length of the chord which is at a distance of 4 cm from the centre of a circle whose radius is 5 cm.

- A. 10 cm
- B. 3 cm
- C. 8 cm
- D. 6 cm

**Q31 Combined Work Rate**

Rishi can prepare one wooden wardrobe in 2 days, and Shan can prepare the same wardrobe in 4 days. If they work together, in how many days will they prepare 126 wardrobes of the same kind?

- A. 164
- B. 170
- C. 172
- D. 168

**Q32 Discount**

A shopkeeper offers the following discount schemes on toys, all having the same marked price:

- (A) Successive discounts of 45% and 6% on any number of toys purchased.
- (B) Successive discounts of 17%, 49%, and 6% on any number of toys purchased.
- (C) A discount of 47% on the first 8 toys and a discount of 25% on each toy thereafter.
- (D) Buy 9 toys and get 8 toys free of cost.

A customer wants to buy 9 toys. Which of the above schemes is least beneficial to her?

- A. D
- B. A
- C. C
- D. B

**Q33 Find SI**

Two banks, A and B, offered loans at 3.5% and 8.5% per annum, respectively. Tushar borrowed an amount of ₹4,60,000 from each bank. Find the positive difference between the amounts (in ₹) of simple interest paid to the two banks by Tushar after 4 years.

- A. 91,500
- B. 93,000
- C. 92,000
- D. 93,500

**Q34 Finding LCM**

If the ratio of two numbers is 4 : 9, and their HCF is 34, then their LCM is:

- A. 1214
- B. 1224
- C. 1227
- D. 1250



Q35 Finding Ratio

A milkman mixes water costing ₹0/litre with milk costing ₹20/litre. If the mixture is sold at ₹16/litre and there is neither gain accrued nor loss incurred in the transaction, find the ratio of milk to water in the mixture.

A. 4 : 1



B. 5 : 1

C. 1 : 1

D. 3 : 1

Q36 Finding Value from Percentage

A man spends 45% of his monthly salary on the household, 20% of the remaining on transport and saves the remaining amount of ₹88,000. What is his monthly salary (in ₹)?

A. 2,40,000

B. 2,50,000

C. 2,00,000



D. 2,22,500

Q37 Half-Yearly Compounding

A sum of ₹30,000 is invested at a rate of 20% per annum. Find the difference in the final amount after 2 years if the interest is compounded annually and compounded half-yearly.

A. ₹723



B. ₹733

C. ₹720

D. ₹713

Q38 Mode

The mean and median of 150 observations are 70 and 74, respectively. The value of the largest observation is 125. It was later found that it is 200 and not 125. What is the true value of mode?

A. 92

B. 78

C. 81



D. 84

Q39 Order of Operations

Simplify: $272 \div 17 \times 1.5 + 13 - 5$

A. 32



B. 29

C. 33

D. 28

Q40 Percentage Increase/Decrease

The cost of a washing machine is 23% less than the cost of a TV. If the cost of the washing machine increases by 73% and that of the TV decreases by 54%, then what is the percentage change in the total cost of 6 washing machines and 3 TVs?

A. Increase by 23%



B. Decrease by 22%

C. Decrease by 26%

D. Increase by 20%

Q41 Pythagorean Identities

The value of $(1 + \sec 15^\circ + \cot 75^\circ)(1 - \operatorname{cosec} 15^\circ + \tan 75^\circ)$ is equal to:

A. 0

B. 1

C. 2



D. -1

Q42 Quarterly Compounding

The compound interest earned in 1 year on ₹2,50,000 at the rate of 40% per annum, compounded quarterly, is:

A. ₹1,16,025



B. ₹1,16,033

C. ₹1,15,931

D. ₹1,16,416

Q43 Replacement in Group

In a classroom survey, the average weight of 36 students was recorded as 50 kg. Later, it was found that one student's weight had been wrongly entered as 73 kg instead of 37 kg. What is the correct average weight of the class?

A. 50 kg

B. 49 kg



C. 48 kg

D. 47 kg

Q44 Surface Area (TSA/LSA)

The total surface area of a cube having side 36 cm is:

A. 7734 cm²

B. 7868 cm²

C. 7826 cm²

D. 7776 cm²



Q45 Time-based Partnership

Deepak and Esha invest ₹40,000 and ₹60,000 in a partnership, respectively. Deepak withdraws all his money after 6 months, while Esha keeps her money invested for the entire year. If the total profit at the end of the year is ₹22,000, find Deepak's share of the profit.

A. ₹6,500

B. ₹7,200

C. ₹8,000

D. ₹5,500

**Q46 Basic Ratio**

If $A:B = 4:5$ and $B:C = 7:6$, find the value of $(2A + 3C):(4A - 3C)$.

A. 73:11



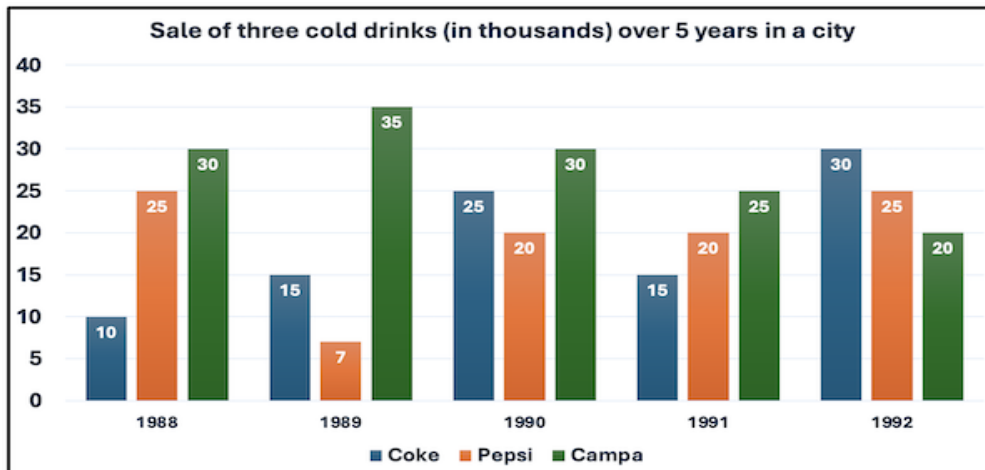
B. 15:7

C. 63:10

D. 48:13

Q47 Comparative Analysis

The following bar graph shows the sale of three cold drinks (in thousands) over a period of 5 years. Study the graph carefully and answer the question that follows.



Find the maximum average annual sale of any cold drink in the given period.

A. 32,000

B. 26,000

C. 24,000

D. 28,000



Q48 Surds

What is the value of x if

$$\sqrt{\sqrt{x+3}} = 2$$

A. 8

B. 13

C. 14

D. 9

**Q49** Trapezium

The area of a field in the shape of a trapezium measure 2937.6 m^2 . The perpendicular distance between its parallel sides is 14.4 m . If the ratio of the parallel sides is $\frac{7}{12} : \frac{4}{15}$, the length of the longer parallel side is:

A. 280 m

B. 175 m

C. 315 m

D. 140 m

**Q50** $\operatorname{cosec}^2 - \cot^2 = 1$

If $\operatorname{cosec} \alpha + \cot \alpha = 4$, then the value of $\cos \alpha$ is:

A. $\frac{15}{17}$

B. $\frac{8}{17}$

C. $\frac{4}{17}$

D. $\frac{12}{17}$

**General Intelligence & Reasoning**

30 Questions • Answer Key

Q51 Alphabet / Word Test

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

(Left) F A O S F Z K U K X A A W X Y Q E Z T A L E (Right)

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

A. 4

B. 6

C. 3

D. 5

**Q52** Alphabetical Pattern

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

AKU FRV KYW PFX ?

A. UMY

B. VMY

C. VNY

D. UNY



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Q53 Day of Week Assignment

Each of Janki, Manvi, Swati, Priti, Rishi, Pinki and Tanvi has exam on a different day of a week starting from Monday and ending on Sunday of the same week.

Exactly two people have exam between Janki and Priti.

Only two people have exam between Rishi and Tanvi.

Exactly three people have exam between Swati and Pinki.

Swati has exam before Pinki.

Janki has exam on one of the days before Tanvi.

Only two people have exam after Priti.

Three of the following four options are alike in a certain way based on the given arrangement and thus form a group. Which is the one that does NOT belong to that group?

A. Rishi and Swati

B. Swati and Manvi

C. Priti and Pinki

D. Janki and Tanvi

Q54 Day of Week Assignment

Each of A, B, C, D, M, N and O has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. C has an exam on Thursday. M has an exam on one of the days after B and on one of the days before A. N has an exam on one of the days after O but on one of the days before D. O has an exam on one of the days after C. How many people have exams between N and M?

A. One

B. Two

C. Four

D. Three

Q55 Facing Center

A, B, C, D, E, F, and G are sitting around a circular table, facing the centre of the table. Only two people sit between B and C, when counted from the right of B. G sits third to the right of C. E sits third to the left of B. F sits to the immediate right of D. Who sits second to the right of A?

A. D

B. F

C. G

D. B

Q56 Floor/Building Arrangement

A, C, E, G, K and L live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is number 2 and so on till the topmost floor is numbered 6. E lives on floor numbered 5. A lives on a floor above E. Only L lives below K. C lives on an even-numbered floor. How many people live between G and A?

A. One

B. Four

C. Three

D. Two

Q57 Letter to Number Mapping

In a certain code language, 'GAME' is coded as '3579' and 'MIND' is coded as '2438'. What is the code for 'M' in the given code language?

A. 3

B. 4

C. 2

D. 7

Q58 Letter to Number Mapping

In a certain code language, 'TRAY' is coded as '8943' and 'RAYS' is coded as '3284'. What is the code for 'S' in the given code language?

A. 4

B. 9

C. 3

D. 2

Q59 Letters in a Given Word

This question is based on the given words.

ACT CRY ROW BOX

If in each of the words, each letter is changed to the letter immediately following it in the English alphabetical order, how many group of letters thus formed will have no vowel?

A. Two

B. None

C. Three

D. One



Q60 Letters in a Given Word

Each vowel in the word SPEWING 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. Two
- B. Three
- C. None
- D. One

**Q61 Missing Number**

What should come in place of ? in the given series?
341 422 512 611 719 ?

- A. 785
- B. 886
- C. 836
- D. 877

**Q62 Operation Based**

103 is related to 10 following a certain logic. Following the same logic, 199 is related to 14. To which of the following is 147 related, following the same logic?

(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 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.)

- A. 14
- B. 13
- C. 12
- D. 15

**Q63 Operation Based**

12 is related to 94 following a certain logic. Following the same logic, 17 is related to 134. To which of the given options is 22 related, following the same logic?

(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.)

- A. 182
- B. 179
- C. 174
- D. 186

**Q64 Operation Based Coding**

If 2 is added to each odd digit and 1 is subtracted from each even digit in the number 513674, how many digits will appear more than once in the new number thus formed?

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

**Q65 Operator Swap**

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

$$189 \times 9 \div 13 - 6 + 45 = ?$$

- A. 50
- B. 52
- C. 54
- D. 56

**Q66 Pattern Based**

MPRT is related to NQSU in a certain way based on the English alphabetical order. In the same way, HJLN is related to IKMO. To which of the following is DFHJ related, following the same logic?

- A. FHJW
- B. EGIK
- C. FGIL
- D. EHJV



Q67 Pattern Based

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: FXG :: NTE : %

A. # = DWH , % = OUF

B. # = EWJ, % = QVH

C. # = EXI, % = QVG

D. # = DWH , % = PUD

**Q68 Pattern Based**

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: EGI :: PRS : %

A. # = ACD , % = TVX



B. # = KML , % = JLS

C. # = WMO , % = JLP

D. # = KMO , % = JLN

Q69 Position Pattern

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

A. VZD

B. YCZ



C. QUY

D. RVZ

Q70 Position Pattern

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

A. CFI



B. UWY

C. EGI

D. MOQ

Q71 Rearrangement of Letters

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

A. None

B. Two



C. Three

D. One

Q72 Single Row (One-way/Both-way)

Seven friends, G, H, I, J, K, L and M, are sitting in a straight line, facing the north. G sits second to the left of M. J sits second to the right of I. Only one person sits to the right of M. L sits third to the left of H. Three of the following four are alike in a certain way based on the given arrangement and thus form a group. Which is the one that does not belong to that group?

A. I and K



B. I and L

C. J and G

D. H and M

Q73 Sorting Logic

Each of the digits in the number 6891245 is arranged in ascending order from left to right. What will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

A. 10



B. 7

C. 9

D. 8

Q74 Sorting Logic

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

(Left) 654 842 684 714 385 (Right)

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

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

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

A. Four

B. Three

C. One

D. Two



Q75 Symbol Based

In a certain code language,
 A # B means 'A is the son of B',
 A % B means 'A is the brother of B',
 A – B means 'A is the wife of B' and
 A @ B means 'A is the father of B'.

How is M related to K if 'M @ E – W % P # K'?

- A. Wife's brother
- B. Son's wife's father** ✓
- C. Wife's father
- D. Son's wife's brother

Q76 Symbol Based

In a certain code language,
 A @ B means 'A is the mother of B',
 A # B means 'A is the brother of B',
 A \$ B means 'A is the wife of B',
 A % B means 'A is the father of B'.

How is Vansh related to Kanav if 'Vansh @ Ram # Chetan % Divya \$ Kanav'?

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

Q77 Symbol Included Pattern

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

(Left) @ D 3 & R 7 T % H 2 \$ 6 K ! 5 J * 8 M 4 # (Right)

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

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

Q78 Symbol Included Pattern

Refer to the following letter, number and symbol series and answer the question that follows. All numbers are single-digit numbers.

(Left) P A % U I 7 P # € A C 5 I M € A 1 9 % \$ 8 9 (Right)

If all the numbers are dropped from the series, which of the following will be fifth from the left?

- A. I** ✓
- B. #
- C. P
- D. U

Q79 Two Statement Sufficiency

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements is sufficient to answer the question. Read both the statements and select the appropriate answer.

Q. Ama, Bira, Curt, Dami and Ela are sitting around a circular table, facing the centre. Who sits to the immediate left of Ama?

(I) Ama sits second to the left of Dami. Bira is the immediate neighbour of Curt and Dami.

(II) Ama is the immediate neighbour of Curt and Ela. Bira sits to the immediate right of Dami.

- A. Data in statement I alone is sufficient to answer the question while data in statement II is not.** ✓
- B. Data in statements I and II together are NOT sufficient to answer the question.
- C. Data in statement II alone is sufficient to answer the question while data in statement I is not.
- D. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.



Q80 Two Statement Syllogism

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

Statements:

Some laptops are cards.
No card is a table.

Conclusions:

- (I) No laptop is a table.
(II) Some tables are cards.

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

General Awareness

20 Questions • Answer Key

Q81 Civilian Awards

Veteran corporate leader Uday Kotak was conferred with the prestigious Padma Bhushan award in 2026 under which specific category?

- A. Social Work
B. Public Affairs
C. Trade and Industry ✓
D. Science and Engineering

Q82 Civilian Awards

Which Indian cricketer was awarded the Padma Shri in 2026 for her outstanding contributions to the sport?

- A. Mithali Raj
B. Smriti Mandhana
C. Harmanpreet Kaur ✓
D. Jhulan Goswami

Q83 Civilian Awards

Vladimir Mestvirishvili of Georgia was posthumously awarded the Padma Shri in 2026 for his outstanding contribution to which of the following fields?

- A. Football coaching
B. Wrestling coaching ✓
C. Athletics coaching
D. Hockey coaching

Q84 Environment Current Affairs

In January 2026, NITI Aayog released decarbonisation roadmaps for which sectors?

- A. Banking, insurance, and aviation
B. Tourism, fisheries, and textiles
C. Aluminium, cement, and MSMEs ✓
D. Steel, shipping, and telecom

Q85 HDI, GHI, etc.

According to the report released on February 4, 2026, what is the rank of India in the Network Readiness Index 2025 prepared by Portulans insitute based in Washington DC?

- A. 55th
B. 35th
C. 45th ✓
D. 25th

Q86 Individual Records

In March 2026, Australian swimmer Cameron McEvoy set a new men's 50m freestyle world record at the Australian Swimming Championships. What was his record-breaking time?

- A. 20.91 seconds
B. 21.04 seconds
C. 20.76 seconds
D. 20.88 seconds ✓



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Q87 International Current Affairs

In June 2026, which international organization adopted the Convention concerning Decent Work in the Platform Economy (Convention No. 193) during its 114th session held in Geneva?

- A. International Telecommunication Union (ITU)
- B. International Labour Organization (ILO) ✓
- C. World Health Organization (WHO)
- D. International Organization for Migration (IOM)

Q88 Key Announcements

Which of the following had convened the first meeting of the High-Powered 'Education to Employment and Enterprise' Standing Committee proposed in the Finance Minister's Budget Speech for 2026-27?

- A. Ministry of Skill Development and Entrepreneurship
- B. Ministry of Labour and Employment
- C. Department of Commerce
- D. NITI Aayog ✓

Q89 Missile Tests & Systems

From which type of platform did DRDO launch the Agni-Prime missile during its successful test in September 2025?

- A. Road-mobile launcher
- B. Rail-based mobile launcher ✓
- C. Submarine launcher
- D. Sea-based launcher

Q90 National Current Affairs

Asia's first UNESCO Chair on Gender Inclusion and Skill Development had been launched by Union Minister Jayant Chaudhary during the International Conference on "Women Leading the Future of Work" organised in collaboration with UNESCO at which institution in Pune on April 24, 2026?

- A. College of Engineering Pune
- B. Savitribai Phule Pune University
- C. Symbiosis Skills and Professional University ✓
- D. MIT World Peace University

Q91 National Themed Days

What was the official theme for National Maritime Day in 2026?

- A. Maritime India – Empowering Progress ✓
- B. Maritime India – Accelerating Prosperity
- C. Maritime India – Steering Transformation
- D. Maritime India – Fueling Growth

Q92 Policy Changes & Amendments

The Constitution (131st Amendment) Bill, initiated by the Government of India in April 2026, aims at accelerating the implementation of which Amendment Act to the Lok Sabha and State Assemblies before 2029?

- A. 110th Amendment Act
- B. 104th Amendment Act
- C. 108th Amendment Act
- D. 106th Amendment Act ✓

Q93 Rankings & Reports

In April 2026, the publication titled "Women and Men in India 2025: Selected Indicators and Data" was released by which Ministry of the Government of India?

- A. Ministry of Social Justice and Empowerment
- B. Ministry of Statistics and Programme Implementation ✓
- C. Ministry of Home Affairs
- D. Ministry of Women and Child Development

Q94 Rankings & Reports

Which ministry had released the 27th edition of the publication titled "Women and Men in India 2025: Selected Indicators and Data" at the National Deliberative Summit on "Data for Development" in 2026?

- A. Ministry of Home Affairs, Government of India
- B. Ministry of Statistics and Programme Implementation (MoSPI), Government of India ✓
- C. NITI Aayog, Government of India
- D. Ministry of Women and Child Development, Government of India



Q95 Rate Changes

Following the decision of the Monetary Policy Committee (MPC) of the Reserve Bank of India (RBI) in December 2025 to reduce the repo rate by 25 basis points, what is the current policy repo rate in India?

A. 5.25 per cent



B. 5.00 per cent

C. 5.75 per cent

D. 5.50 per cent

Q96 Recent ISRO Missions

Mission MITRA undertaken by the Indian Space Research Organisation (ISRO) from April 02 to 09, 2026, to study crew performance under hypoxia, low temperature, and isolation conditions had been conducted in which place?

A. Manali

B. Leh



C. Gangtok

D. Shimla

Q97 Recent ISRO Missions

On December 19, 2025, ISRO's LVM3-M6 mission successfully placed which satellite into its intended orbit?

A. BlueBird Block-1 communication satellite

B. AST SpaceMobile weather observation satellite

C. India's GSAT-30 communication satellite

D. BlueBird Block-2 communication satellite

**Q98 Recent Tournaments**

India was knocked out of the Thomas Cup semifinals in 2026 after a 0-3 defeat against which country in Horsens, Denmark?

A. Malaysia

B. Indonesia

C. Denmark

D. France

**Q99 Species Conservation**

Which location is selected for the Asiatic Lion Conservation Programme as a part of the MoEFCC's thematic events, before the IBCA Summit 2026?

A. Bhubaneswar, Odisha

B. Gir, Gujarat



C. Gangtok, Sikkim

D. Bhopal, Madhya Pradesh

Q100 Treaties & Agreements

As of February 2026, which country joined Bangladesh and Costa Rica in endorsing the New Delhi Declaration on AI Impact, increasing the total number of signatories to 91 countries and international organisations?

A. Guatemala



B. Morocco

C. Argentina

D. Japan



General Science

25 Questions • Answer Key

Q1 Atomic Structure & Models

What do the raisins represent in Thomson's plum-pudding model of the atom?

- A. Electrons embedded in positively charge sphere ✓
- B. Protons and neutrons present in the atom
- C. Electrons present in various orbits of atom
- D. Neutrons spread out throughout the atom

Q2 Basic Organic Chemistry

Which of the following is NOT a property typically associated with most covalent compounds of carbon?

- A. They have low melting points
- B. They have low boiling points
- C. Carbon forms covalent bonds with other carbon atoms
- D. They are good conductors of electricity ✓

Q3 Basic Organic Chemistry

What type of reaction occurs when ethanoic acid reacts with ethanol in the presence of an acid catalyst?

- A. Esterification reaction ✓
- B. Combustion reaction
- C. Saponification reaction
- D. Neutralization reaction

Q4 Cell Biology

Which pair **CORRECTLY** matches the Greek root with its meaning?

- A. Chroma — Green
- B. Karyon — Wall
- C. Pro — True
- D. Leukos — White ✓

Q5 Cell Structure & Organelles

Apart from the nucleus and plastids, which of the following organelle contains its own DNA?

- A. Golgi Apparatus
- B. Ribosome
- C. Lysosome
- D. Mitochondrion ✓

Q6 Circulatory System (Heart, Blood)

Which type of blood vessel is best suited for rapid exchange of gases and nutrients with body tissues?

- A. Capillaries ✓
- B. Veins
- C. Lymph vessels
- D. Arteries

Q7 Current Electricity (Ohm's Law, Circuits)

Which of the following properties is unique to the parallel combination of resistors compared to the series combination?

- A. Total resistance equals sum of resistors
- B. Each resistor receives the same voltage ✓
- C. Current through each resistor is the same
- D. All resistors must be identical

Q8 Current Electricity (Ohm's Law, Circuits)

Which component is best represented by a symbol with multiple alternating long and short lines in a circuit diagram?

- A. A battery or a combination of cells ✓
- B. Electric bulb
- C. A resistor of resistance R
- D. An electric cell

Q9 Ecosystem & Food Chain

Food webs help in maintaining ecosystem stability because they:

- A. stop energy flow
- B. provide alternative food sources ✓
- C. reduce the number of consumers
- D. increase competition



Q10 Ecosystem & Food Chain

Why top-level consumers are most affected by biological magnification in a food chain?

- A. They have the shortest lifespan in the ecosystem
- B. They are primary producers and thus first to be exposed to toxins
- C. They eat less quantity of food compared to others
- D. They accumulate the highest concentration of toxins through the food chain ✓

Q11 Hydrocarbons (Methane, Ethane, etc.)

What happens when hydrogen (H_2) is added to an alkene in the presence of a catalyst?

- A. Alkene forms an alcohol
- B. Alkene converts into an alkane ✓
- C. Alkene undergoes substitution
- D. Alkene breaks down

Q12 Important Salts & Their Uses

Baking soda is commonly used in fire extinguishers because it releases a specific gas when heated. What is the gas released and how does it help extinguish fires?

- A. It releases carbon dioxide, which displaces oxygen and stops combustion ✓
- B. It releases nitrogen, which cools the burning material
- C. It releases oxygen, which smothers the fire and prevents it from spreading
- D. It releases sulfur dioxide, which reacts with the flames

Q13 Light & Optics

A student is asked why solar panels are less efficient during early morning hours. Which electromagnetic property explains this observation?

- A. Speed of light is reduced in air
- B. Wavelength distribution changes
- C. Earth's rotation increases intensity
- D. Sunlight is less intense at low angle ✓

Q14 Mechanics

If the distance between two points on a straight line distance-time graph is 120 meters and the corresponding time interval is 4 seconds, what is the uniform speed?

- A. 15 m/s
- B. 60 m/s
- C. 30 m/s ✓
- D. 24 m/s

Q15 Mechanics

Which of the following best describes uniform circular motion?

- A. An object moving at a constant speed in a straight line
- B. An object moving at a constant speed along a circular path ✓
- C. An object moving at a changing speed along a curved path
- D. An object at rest in a circular path

Q16 Mirrors & Lenses

A science fair project uses a convex mirror to monitor a hallway. If a person stands at various distances from the mirror, what remains constant about the images formed, regardless of their position?

- A. The images are always magnified and behind the mirror
- B. The images are always real and inverted
- C. The images are always enlarged and real
- D. The images are always diminished and virtual ✓

Q17 Mirrors & Lenses

A student observes that the image formed by a lens is twice the size of the object and is real. Where is the object placed relative to the lens?

- A. At F
- B. Between 2F and infinity
- C. Between F and 2F ✓
- D. At 2F

Q18 Mirrors & Lenses

How is the object distance measured in the sign convention for spherical lenses?

- A. It is measured from the focal point towards the position of the object.
- B. It is measured from the optical center towards the position of the image.
- C. It is measured from the optical center towards the position of the object. ✓
- D. It is measured from the focal point towards the position of the image.



Q19 Physical & Chemical Properties

The gas evolved when calcium reacts with water is:

A. Hydrogen



B. Carbon dioxide

C. Oxygen

D. Nitrogen

Q20 Plant Kingdom (Divisions)

Two specimens: one has undifferentiated body living in water, the other has true roots, stems, and leaves. Which of the following correctly matches them with their classes?

A. Pteridophyta and Gymnosperm

B. Thallophyta and Pteridophyta



C. Bryophyta and Thallophyta

D. Bryophyta and Angiosperm

Q21 Pollution (Air, Water, Soil, Noise)

Which of the following pairs correctly represents biodegradable and non-biodegradable substances, respectively?

A. Glass – Leaves

B. Paper – Plastic



C. Metal – Food waste

D. Plastic – Cotton

Q22 Separation Techniques

Which factor must be considered before using a separating funnel for two liquids?

A. The liquids must have strong odors

B. The liquids must have different colors

C. Both liquids have high boiling point

D. The liquids must be immiscible

**Q23 Types (Combination, Decomposition, etc.)**

When hydrochloric acid reacts with sodium hydroxide to form sodium chloride and water, which type of reaction is primarily demonstrated?

A. Double displacement reaction



B. Displacement reaction

C. Redox reaction

D. Combination reaction

Q24 Work, Energy & Power

Which of the following is an example of chemical energy?

A. Energy from moving objects

B. Energy from a stretched rubber band

C. Energy stored in food



D. Energy from a spinning wheel

Q25 Work, Energy & Power

A stone of mass 0.5 kg is moving with a speed of 8 m/s. Its kinetic energy is _____.

A. 128 J

B. 32 J

C. 64 J

D. 16 J

**Mathematics**

25 Questions • Answer Key

Q26 $(a+b)^2$, $(a-b)^2$

$(x + 3)^2$ is equal to:

A. $x^2 + 6x + 3$

B. $x^2 + 6x + 9$



C. $x^2 + 3x + 9$

D. $x^2 + 9x + 6$

Q27 3-Year Difference

A sum of ₹2,000 is invested for 3 years at 5% per annum. Find the difference between the compound interest and the simple interest (in ₹), if the interest is compounded annually.

A. 5.25

B. 20.25

C. 15.25



D. 10.25



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Q28 Basic Time & Work

30 students can complete a task in 10 days working for 4 hours a day. In how many days will 80 students working 3 hours a day will complete the work?

A. 5 days



B. 4 days

C. 6 days

D. 8 days

Q29 Building/Tower Problems

From the top of a vertical tower of height 75 m, the angle of depression of the foot of a building is 60° , and the angle of depression of the top of the building is 30° . If the average of the heights of the tower and the building equals the height of a pole, what is the height of the pole?

A. 65 m

B. 62.5 m



C. 60 m

D. 55.5 m

Q30 Divisibility Rules

What is the least value that must be assigned to A so that the 8-digit number 109A7760 is divisible by 16?

A. 4

B. 0



C. 2

D. 5

Q31 Find SI

Find the simple interest (in ₹) on ₹1,200 at an interest rate of 6% per month in 12 months.

A. 864



B. 144

C. 92

D. 72

Q32 Finding Value from Percentage

If 36 is subtracted from a number, it reduces to 90% of the original number. What is the number?

A. 480

B. 360



C. 840

D. 630

Q33 HCF/LCM Word Problems

Two bells ring at intervals of 9 minutes and 10 minutes, respectively. If they ring together at 8:00 AM, after how many minutes will they next ring together again?

A. 90 minutes



B. 60 minutes

C. 45 minutes

D. 100 minutes

Q34 Half-Yearly Compounding

What will be the amount after 1 year, if ₹1800 is invested at 20% compound interest per annum, compounded half-yearly?

A. ₹2178



B. ₹1974

C. ₹3012

D. ₹2659

Q35 Heron's Formula

What is the area of a triangle with side lengths of 13 cm, 14 cm, and 15 cm?

A. 114 cm^2

B. 84 cm^2



C. 94 cm^2

D. 104 cm^2

Q36 MP with Discount and Profit

A shopkeeper marks an article 20% above the cost price and then allows a 15% discount on the marked price. What is the overall profit or loss percentage?

A. 4% loss

B. 4% profit

C. 1% loss

D. 2% profit

**Q37 Median**

The mean and the mode of a set of data are 44.4 and 49.7, respectively. Find the median of the data, using the empirical formula. (Round off to one decimal place)

A. 46.2



B. 47.8

C. 47.4

D. 47.7



Q38 Percentage Increase/Decrease

The expenditure of Sudha is 100% more than her savings. If her expenditure decreases by 2% and savings increase by 22%, then by what percentage does her income increase?

A. 2%

B. 6%



C. 1%

D. 3%

Q39 Relative Speed

Buses leave a depot every 15 minutes and run along a straight highway at a constant speed of 16 km/h. A cyclist is riding towards the depot from the opposite direction on the same highway. He observes that buses cross him at regular intervals of 12 minutes. Assuming both maintain uniform speeds, what is the speed (in km/h) of the cyclist?

A. 6

B. 4



C. 5

D. 7

Q40 Simple Mean

The average temperature of first 3 days in a week was 36° C and the average temperature of this week was 35° C. Then the average temperature of last 4 days in this week was:

A. 34oC

B. 35oC

C. 34.25oC



D. 35.5oC

Q41 Simple Ratio Partnership

At the start of the year, A invested ₹12,000 and B invested ₹18,000 in a business. At the end of the year, the profit is ₹15,000. What is B's share (in ₹) in the profit?

A. 6,000

B. 9,000



C. 7,000

D. 8,000

Q42 Simultaneous Fill & Empty

A tap can fill a cistern in 10 hours and another tap can empty it in 20 hours. If both taps are opened, the time (in hours) taken to fill the tank will be:

A. 15 hours

B. 30 hours

C. 18 hours

D. 20 hours

**Q43 Successive Discount**

The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 85% and 18%, shop II allows successive discounts of 84% and 34%, shop III allows successive discounts of 52% and 11% and shop IV allows successive discounts of 84%, 31% and 94% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

A. IV



B. I

C. III

D. II

Q44 Two Trains Crossing

Two trains are travelling toward each other on parallel tracks. The first train is 430 metres long and travels at a speed of 120 km/h. The second train is 570 metres long and travels at a speed of 85 km/h. The distance between the two trains when they start is 20 km. Find out how much time it will take for the two trains to completely pass each other (rounded off to the nearest second).

A. 393 seconds

B. 389 seconds

C. 369 seconds



D. 343 seconds

Q45 Ungrouped Data Median

The following scores were recorded in a test: 70, 85, 90, 90, 95, 100. If the highest score (100) is removed, what is the new median?

A. 85

B. 70

C. 95

D. 90



Q46 Building/Tower Problems

The angle of elevation of the top of a tower from two points on opposite sides of the tower are 30° and 60° . If the distance between the two points is 54 m, find the height of the tower.

A. $12.4\sqrt{3}$ m

B. $15.8\sqrt{3}$ m

C. $13.5\sqrt{3}$ m

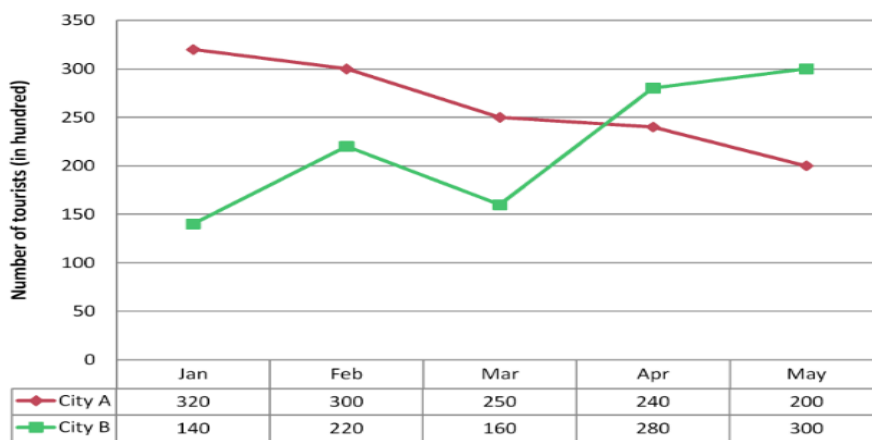


D. $14.6\sqrt{3}$ m

Q47 Comparative Trend

The given line graph shows the number of tourists (in hundreds) in two different cities, A and B, over five different months of the year 2018.

Study the line graph and answer the question that follows.



What is the ratio of the total number of tourists in City A in February and March to the total number of tourists in City B in the same months?

A. 55 : 38



B. 59 : 65

C. 71 : 80

D. 38 : 47

Q48 Proportion

The fourth proportional to three numbers is 36. The first two numbers are 8 and 12. Find the third number.

A. 18

B. 24



C. 21

D. 28



Q49 Sector Area & Arc Length

The radius and area of the sector of a circle are 54 cm and $405\pi \text{ cm}^2$, respectively.

What is the length of the corresponding arc of the sector?

A. $15\pi \text{ cm}$



B. $810\pi \text{ cm}$

C. $745\pi \text{ cm}$

D. $876\pi \text{ cm}$

Q50 Volume

7600 bricks, each measuring $P \text{ cm} \times 12.5 \text{ cm} \times 7.5 \text{ cm}$, are required to construct a wall 6 m long, 5 m high and 0.25 m thick.

If the cement and sand mixture occupies $\frac{1}{20}$ of the volume of the wall, then the value of P is:

A. 20



B. 27.5

C. 22.5

D. 25

General Intelligence & Reasoning

30 Questions • Answer Key

Q51 Alphabetical Pattern

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

HOD KSG NWJ QAM ?

A. SDO

B. SFP

C. UEQ

D. TEP

**Q52** Facing Center

B, D, E, P, S, T and W are sitting around a circular table, facing the centre of the table.

S sits to the immediate right of E. Only three people sit between S and D when counted from the left of S. Only three people sit between E and B. W sits to the immediate right of T.

How many people sit between E and T when counted from the right of T?

A. Four

B. Three

C. One



D. Two

Q53 Facing Center

A, B, C, D, E and F are sitting around a circular table, facing the centre.

F sits second to the left of D. B is an immediate neighbour of C. C sits to the immediate right of E. A sits second to the left of E.

What is the position of F with respect to B?

A. Second to the right

B. Immediate right



C. Third to the left

D. Second to the left

Q54 Floor/Building Arrangement

A, C, E, G, K and L live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is number 2 and so on till the topmost floor is numbered 6. A lives on the topmost floor. Only three people live between A and L. G lives on a floor below L. E lives on an even numbered floor. K lives on an odd-numbered floor but not on floor number 5. How many people live between C and L?

A. Four

B. Three

C. Two



D. One



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Q55 Letter to Number Mapping

In a certain code language, 'CHIP' is coded as '6318' and 'PICK' is coded as '8162'. What is the code for 'H' in the given code language?

A. 2

B. 3



C. 6

D. 1

Q56 Letters Between Two Positions

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

(Left)

B H J M N N A R A Y A N S H A M B H U G A Y
I T R I M N T R (Right)

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

A. Two

B. None

C. Eight



D. Fourteen

Q57 Letters Between Two Positions

This question is based on the following words.

(left) MILE HAED LEAP PEEK (right)

How many letters in the English alphabetical order are there between the third letter of the first word from the left and the fourth letter of the second word from the right?

A. Four

B. Two

C. Three



D. Five

Q58 Letters Between Two Positions

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

(Left) K A M A L K I S H O R E K A P I L P O O M
N A K A M I I N (Right)

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

A. Eight

B. Eleven

C. Ten



D. Nine

Q59 Letters in a Given Word

This question is based on the following words:

CRY FIN BUG ASK

In each word, every vowel is replaced by the next letter in the English alphabetical order, and every consonant is replaced by the preceding letter.

How many of the resulting letter clusters contain no vowels?

A. Three

B. One

C. Four

D. Two

**Q60 Letters in a Given Word**

Each vowel in the word NAMEBOARDS is changed to the second letter following it in the English alphabetical order and each consonant is changed to the second letter preceding it in the English alphabetical order. Which of the following letters will appear exactly twice in the group of letters thus formed?

A. Z

B. P

C. Q



D. B

Q61 Linear Family Relations

H is the mother of U. U is the sister of N. M is the father of K. K is the husband of N. How is K related to H?

A. Daughter's husband



B. Father

C. Daughter's son

D. Brother



Q62 Missing Number

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

97, 80, 65, 52, 41, ?

A. 29

B. 36

C. 28

D. 32

**Q63 Operation Based**

Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, a certain mathematical operation on the second number results in the third number and so on. Which of the given options follows the same set of operations as in the question? (NOTE: A two/three digit number cannot be broken into individual digits for operations. E.g. if 37 is followed by 10, the operation cannot be 3+7 as a two-digit number cannot be broken into individual digits.)

4 - 10 - 21 - 35 ;

5 - 13 - 27 - 41

A. 10 - 28 - 56 - 70

B. 6 - 16 - 33 - 49

C. 7 - 19 - 39 - 25

D. 8 - 22 - 45 - 59

**Q64 Operator Swap**

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

$199 \div 47 - 4 + 63 \times 9 = ?$

A. 386

B. 382

C. 389

D. 380

**Q65 Operator Swap**

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

$(14 \div 2) + (27 \times 3) - 15 - 6 + 2 = ?$

A. 58

B. 38



C. 46

D. 31

Q66 Operator Swap

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

$38 \times 46 \div 46 + 14 - 19 = ?$

A. 45

B. 41

C. 43



D. 44

Q67 Pattern Based

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: III :: MNO : %

A. # = FGH, % = PPS

B. # = FGH, % = PPR

C. # = FGH, % = PPP



D. # = FGH, % = PPQ

Q68 Pattern Based

Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

DKO : FFK

BNR : DIN

A. OSX : QNS

B. KHL : MBH

C. CRW : CMR

D. MHL : OCH

**Q69 Pattern Based**

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

GK-DI-BE

KO-HM-FI

A. OS-LQ-JN

B. OS-LQ-JM



C. PS-LQ-JN

D. PS-LR-JN



Q70 Position Pattern

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. KMP



B. HJL

C. QSU

D. ACE

Q71 Position Pattern

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

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

A. QL – VW

B. XS – CD

C. MH – RS

D. KE – PQ

**Q72 Position from Left/Right**

There are 45 students in a row facing north. Kiran is 18th from the left and Simran is 20th from the right. How many students are standing between Kiran and Simran?

A. 7



B. 8

C. 5

D. 6

Q73 Position from Left/Right

Mr. Nit ranked 58th from the bottom and 37th from the top in his class. How many students are there in his class?

A. 91

B. 93

C. 95

D. 94

**Q74 Rearrangement of Letters**

Each letter in the word FRIEND is changed to the letter immediately preceding 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 left in the new group of letters thus formed?

A. H

B. E



C. Q

D. M

Q75 Square/Cube Based

8 is related to 256 following a certain logic. Following the same logic, 10 is related to 400. To which of the given options is 12 related, following the same logic?

A. 484

B. 576



C. 676

D. 529

Q76 Symbol Based

In a certain code language,
A + B means 'A is the son of B'
A ÷ B means 'A is the father of B'
A = B means 'A is the sister of B'
A ! B means 'A is the wife of B'
Based on the above, how is D related to R if 'D = O ! W + E ÷ R'?

A. Brother's wife's mother

B. Brother's wife's brother

C. Brother's wife's father

D. Brother's wife's sister

**Q77 Symbol Included Pattern**

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

(Left) 5 \$ 7 £ £ 4 9 © \$ © & 8 & \$ 3 1 7 © 4 7 \$ @ (Right)

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

A. 4

B. 2

C. 5

D. 3



Q78 Two Statement Sufficiency

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.
Among five trees, N, O, R, S and T each having a different height, which tree is the tallest?

(I) S is shorter than R

(II) N is taller than R

- A. Data in Statement I alone is sufficient to answer the question while data in statement II is not
- B. Data in Statement II alone is sufficient to answer the question while data in statement I is not
- C. Both statements I and II together are NOT sufficient to answer the question ✓
- D. Both statements I and II together (and not statement 1 alone or statement II alone) are sufficient to answer the question.

Q79 Two Statement Syllogism

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

Statements:

All kiwis are bananas.

All bananas are apples.

Conclusions:

(I) All kiwis are apples.

(II) Some apples are bananas.

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

Q80 Word to Code Mapping

In a certain code language, 'love in air' is coded as 'ps vj uh' and 'poor air quality' is coded as 'ct cs ps'. How is 'air' coded in the given language? (All codes are two-letter codes)

- A. uh
- B. ps ✓
- C. vj
- D. ct

General Awareness

20 Questions • Answer Key

Q81 Civilian Awards

In January 2026, the Padma Awards were officially announced on the occasion of which national event?

- A. National Unity Day
- B. National Civilian Day
- C. Republic Day ✓
- D. Constitution Day

Q82 Corporate & Organizational Heads

For which defence organization Rajesh Kumar Singh is serving as Chairman as of May 2026?

- A. Central Reserve Police Force (CRPF)
- B. Indian Air Force (IAF)
- C. Indian Navy (IN)
- D. Defense Research and Development Organization (DRDO) ✓

Q83 Defense & Technology

Between 21 February and 1 March 2026, DRDO and the Indian Navy successfully conducted four in-flight release trials of which indigenous system?

- A. Akash-NG missile
- B. Astra Mk-II missile
- C. Air-Droppable Container (ADC-150) ✓
- D. Pinaka Multi-Barrel Rocket Launcher

Q84 Elections in Major Countries

Anutin Charnvirakul, who was reconfirmed by parliament as Prime Minister in March 2026 following the electoral victory of the Bhumjaithai Party, became the Prime Minister of which Southeast Asian country?

- A. Thailand ✓
- B. Indonesia
- C. Malaysia
- D. Vietnam



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Q85 Environment Current Affairs

As per the 2026 NITI Aayog report, which sector was identified as the largest contributor to India's greenhouse gas emissions, prompting targeted emission reduction strategies?

- A. Energy production including coal-based power plants** ✓
- B. Agriculture and allied activities
- C. Transportation systems and logistics
- D. Industrial manufacturing and processing

Q86 G7, G20, BRICS, SCO

Which city hosted the 2nd Shanghai Co-operation Organisation (SCO) Young Authors' Conference from September 25 to 26, 2025?

- A. New Delhi** ✓
- B. Tashkent
- C. Beijing
- D. Astana

Q87 Individual Records

Who had set a national men's pole vault record of 5.41 m at the inaugural Indian Indoor Open Combined Events and Pole Vault Competition held in Bhubaneswar?

- A. Siva Subramani
- B. Reegan G
- C. Kuldeep Kumar** ✓
- D. Dev Kumar Meena

Q88 Individual Records

At the inaugural National Indoor Athletics Championships held in Bhubaneswar in March 2026, what national-best timing did Gurindervir Singh clock while winning the men's 60-m event?

- A. 6.60 seconds** ✓
- B. 6.65 seconds
- C. 5.65 seconds
- D. 7.65 seconds

Q89 International Awards

At the 98th Academy Awards 2026, which actor won the 'Best Actor' award for his performance in the film "Sinners", securing his first Academy Award victory?

- A. Leonardo DiCaprio
- B. Michael B. Jordan** ✓
- C. Wagner Moura
- D. Timothée Chalamet

Q90 Key Announcements

As per Union Budget 2025-26, how many Atal Tinkering Labs are to be set up in Government schools in the next 5 years?

- A. 50,000** ✓
- B. 60,000
- C. 80,000
- D. 70,000

Q91 National Current Affairs

In April 2026, the Mahanadi Water Disputes Tribunal was associated with a dispute involving which pair of states?

- A. Telangana and Karnataka reservoir usage
- B. Punjab and Haryana canal allocation
- C. Odisha and Chhattisgarh water sharing** ✓
- D. Gujarat and Maharashtra irrigation planning

Q92 National Themed Days

The theme of National Youth Day 2026 was 'Ignite the Self, Impact the World'. This day marks the birth anniversary of whom?

- A. Rabindranath Tagore
- B. Swami Vivekananda** ✓
- C. Netaji Subhas Chandra Bose
- D. Sri Aurobindo

Q93 New Apps & Portals

In May 2026, which online portal was launched by the India Semiconductor Mission (ISM) to provide information on government schemes, policies, approved projects under the Semicon India Programme, and regulatory requirements for investors in the semiconductor sector?

- A. Digital Semiconductor Portal
- B. Invest India Semicon
- C. Investors Support** ✓
- D. Semiconductor Connect



Q94 Paris Agreement Updates

India's updated climate commitment for 2035 includes which emissions-intensity target?

- A. Cutting agricultural methane emissions by 75% nationwide
- B. Reducing emissions intensity of GDP by 47% from 2005 levels ✓
- C. Achieving complete industrial decarbonisation by the year 2035
- D. Reducing fossil fuel consumption by 90% from 2020 levels

Q95 Rankings & Reports

According to the PLFS Annual Report 2025 (released in March 2026), what was the unemployment rate among youth aged 15–29 years in India under the usual status (ps+ss) approach?

- A. 12.4%
- B. 14.8%
- C. 9.9% ✓
- D. 7.9%

Q96 Recent Awards & Honors

Which film, directed by Neeraj Ghaywan and submitted as India's entry to the Academy Awards, swept the 8th Critics' Choice Awards 2026 by winning Best Film, Best Director, and Best Actor?

- A. Homebound ✓
- B. All We Imagine as Light
- C. Dhurandhar
- D. Black Warrant

Q97 Recent Tournaments

In January 2026, FIFA announced prize money for the winners of the inaugural Women's Champions Cup. What is the amount awarded to the champions?

- A. \$1.5M
- B. \$2.3M ✓
- C. \$3.0M
- D. \$4.0M

Q98 Recent Tournaments

At which championship had India created history by winning five medals in May 2026, including gold in the men's category through Amar Singh Devanda in Japan?

- A. Asian Endurance Running Championships
- B. Asian Athletics Championships
- C. World Ultrarunning Championships
- D. International Association of Ultrarunners 24-Hour Asia and Oceania Championships ✓

Q99 Right to Freedom (Art 19-22)

On 26th May 2026, the Supreme Court (SaveLIFE Foundation & Anr. vs Union of India & Ors.) ruled that access to trauma and emergency care is an integral part of the Right to Life under _____.

- A. Article 41 of the Indian constitution
- B. Article 11 of the Indian constitution
- C. Article 31 of the Indian constitution
- D. Article 21 of the Indian constitution ✓

Q100 Science & Technology Current Affairs

Which of the following institution's P-Quest Group developed India's first indigenous Quantum Diamond Microscope (QDM) in November 2025?

- A. IISc Bengaluru
- B. IIT Bombay ✓
- C. TIFR Mumbai
- D. IIT Delhi



General Science

25 Questions • Answer Key

Q1 Atomic Structure & Models

The average atomic mass of chlorine atom, based on the given isotopic ratio and masses, is ____.

- A. 37 u
- B. 36 u
- C. 34.5 u
- D. 35.5 u

**Q2 Atoms & Molecules**

The importance of valency in forming chemical formulae lies in:

- A. Predicting the energy released during compound formation
- B. Identifying the molecular geometry using bonding angles only
- C. Measuring the reactivity rate of atoms in gaseous condition
- D. Determining how atoms of elements combine with each other

**Q3 Basic Organic Chemistry**

Which property of alcohol makes it suitable for use as an alternative fuel in vehicles?

- A. It burns cleanly, producing less smoke and harmful gases.
- B. It is a gaseous fuel.
- C. It has a lower boiling point than water.
- D. It is heavier than petrol.

**Q4 Biodiversity & Conservation**

A wildlife reserve in the Western Ghats is losing forest cover rapidly. Which statement best explains why this region is a global conservation priority?

- A. It is a crucial path used by migratory birds
- B. It is a biodiversity hotspot with many endemic species
- C. It is a dry desert ecosystem that has few species
- D. It is a vast region with only widely distributed species

**Q5 Cell Structure & Organelles**

Complete the analogy.

Ribosomes : Protein Synthesis :: Mitochondria : _____.

- A. Cell Division
- B. Waste Removal
- C. Energy Production
- D. DNA Replication

**Q6 Cell Structure & Organelles**

Which of the following cell structures is mainly responsible for providing support and maintaining the shape of eukaryotic cells?

- A. DNA
- B. Cell Sap
- C. Cytoskeleton
- D. Nucleoid

**Q7 Classification of Organisms**

A clinical botanist is required to identify a plant to its family. Which of the following taxonomic ranks is immediately higher than family in the classification hierarchy?

- A. Cultivar
- B. Species
- C. Order
- D. Genus

**Q8 Current Electricity (Ohm's Law, Circuits)**

When the length of a wire is doubled while keeping material and area of cross-section constant, what happens to its resistance?

- A. The resistance remains unchanged
- B. The resistance becomes twice as much
- C. The resistance becomes four times as much
- D. The resistance becomes half



Q9 Digestive System

If peristaltic movements in the oesophagus were disrupted, what would most likely happen to the food after it is chewed and swallowed?

A. Food would not move efficiently to the stomach



B. Starch would be broken down more quickly

C. Food would be digested faster

D. Saliva would increase

Q10 Echo, Resonance, Doppler Effect

Which of the following best describes the effect of excessive reverberation in a large auditorium during a speech?

A. It causes spoken words to overlap and become unclear to the audience.



B. It increases the volume of the speaker's voice for everyone present.

C. It improves the quality of music by making it sharper and more distinct.

D. It allows the audience to hear sound for a shorter duration than intended.

Q11 Ecosystem & Food Chain

Which group of organisms depends solely and directly on producers for food?

A. Carnivores

B. Herbivores



C. Decomposers

D. Omnivores

Q12 Electromagnetic Induction

In a generator, what would be the result if the coil is rotated at double the original speed in the same magnetic field?

A. The induced potential difference will be twice as large



B. The magnetic field strength will double

C. The direction of current will reverse

D. The resistance of the coil will halve

Q13 Excretory System (Kidney)

What is the main purpose of making urine in animals?

A. Digest and absorb food

B. Produce hormones

C. Store energy for future use

D. Remove harmful metabolic wastes



Q14 General Science

Read the following statements carefully and choose the correct option:

Assertion (A): Coal was formed from trees and plants buried under earth millions of years ago.

Reason (R): Heat and pressure over time converted the remains of plants into coal.

A. A is false, but R is true.

B. A is true, but R is false.

C. Both A and R are true, and R is the correct explanation of A.



D. Both A and R are true, and R is not the correct explanation of A.

Q15 Important Salts & Their Uses

A doctor is preparing a cast for a fractured arm. Why is Plaster of Paris preferred over cement or lime for this purpose?

A. It produces heat when mixed with water

B. It is heavier than cement

C. It is more colorful

D. It sets quickly and forms a hard, supportive mass



Q16 Mechanics

Which of the following best describes the motion of a car traveling at a constant speed around a circular track?

A. The car moves with uniform motion as its velocity remains constant in both magnitude and direction.

B. The car experiences non-uniform motion because it moves along a curved path at constant speed.

C. The car moves with uniform circular motion because its speed is constant, but its direction changes continuously.



D. The car moves in a straight line at constant speed since its direction never changes.

Q17 Mechanics

A runner moves 60 meters north and then 80 meters south in 20 seconds. Which statement is correct about her average speed and average velocity?

A. Average speed is less than average velocity

B. Average speed is greater than average velocity



C. Average speed equals average velocity

D. Average speed is zero



Q18 Mirrors & Lenses

A car driver uses a rear-view mirror to observe vehicles behind. If the mirror were replaced with a concave mirror of the same size, which of the following is the most likely consequence for the image of a car far behind?

- A. The image would always be virtual, erect, and magnified
- B. The image would always be virtual, erect, and diminished
- C. The image would appear inverted and could be larger or smaller depending on the position ✓
- D. The image would always be virtual, inverted, and diminished

Q19 Mirrors & Lenses

An object is placed 15 cm from a concave lens of focal length 10 cm. What is the nature and position of the image formed by the lens?

- A. The image is real, inverted and 20 cm from the lens on the opposite side to the object
- B. The image is virtual, upright and 6 cm from the lens on the same side as the object ✓
- C. The image is real, upright and 8 cm from the lens on the same side as the object
- D. The image is virtual, inverted and 12 cm from the lens on the opposite side to the object

Q20 Mixtures, Solutions, Colloids

Which of the following is a correct property of a colloidal solution?

- A. The particles scatter a beam of light. ✓
- B. The solute can be separated by filtration.
- C. The solute particles are invisible under a microscope.
- D. The solute settles down after some time.

Q21 Oxidation & Reduction (Redox)

Why do oxidation and reduction reactions always occur together in chemical changes?

- A. Reaction must be balanced
- B. Energy conservation law demands it
- C. Products must be neutral
- D. One substance loses what another gains ✓

Q22 Physical & Chemical Properties

Why does galvanisation protect iron even when the zinc layer is damaged?

- A. Zinc reacts faster with water
- B. Zinc corrodes preferentially ✓
- C. Zinc prevents oxygen contact
- D. Zinc increases iron hardness

Q23 Plant Tissues & Transport

Why do plants need a specialized transportation system for water and minerals?

- A. Because diffusion does not occur in plants
- B. Because plants have high energy needs like animals
- C. Because diffusion alone is insufficient for large distances in tall plants ✓
- D. Because plants move and need rapid transport throughout the body

Q24 Work, Energy & Power

A factory manager is comparing two machines that perform the same task. Machine A takes more time to complete the task than Machine B. Based on the definition of power, which factor should the manager consider to determine which machine is more powerful?

- A. The total work done by each machine
- B. The mass of each machine
- C. The rate at which each machine does work ✓
- D. The amount of energy used by each machine

Q25 Work, Energy & Power

A force of 7 N acts on an object, displacing it through 8 m in the direction of the force. What is the work done?

- A. 15 J
- B. 56 J ✓
- C. 1 J
- D. 27 J



Q26 $(a+b)^2, (a-b)^2$

Simplify the expression: $(x + 3)^2 - x^2 - 9 - 6x$

A. $6x$ B. $3x$

C. 0



D. 9

Q27 Annual Compounding

Radhika invested ₹5,800 at compound interest, compounded annually, for 2 years. If the compound interest earned at the end of 2 years is ₹594.50, find the annual rate of interest.

A. 4%

B. 5%



C. 6.3%

D. 5.6%

Q28 Arithmetic Mean

Calculate the mean from the following items.

163, 141, 155, 175, 186

A. 160

B. 162

C. 164



D. 166

Q29 Crossing Bridge/Platform

A train running at 63 km/h takes 30 sec to pass a platform. Next it takes 18 sec to pass a man cycling at 9 km/h in the same direction in which the train is going. The ratio of the length of the train to the length of the platform is:

A. 18 : 17



B. 10 : 9

C. 8 : 7

D. 21 : 19

Q30 Dividing Quantity in Ratio

A long-distance train has passengers in first class, second class, and sleeper class in the ratio 2 : 3 : 5. The ticket fares for these three classes are in the ratio 8 : 7 : 3. If the total revenue collected from ticket sales is ₹96,200, find the amount of revenue generated from second-class tickets.

A. ₹38,850



B. ₹42,000

C. ₹39,800

D. ₹42,600

Q31 Find SI

Find the simple interest (in ₹) on ₹1,200 at an interest rate of 6% per month in 11 months.

A. 792



B. 86

C. 132

D. 66

Q32 Half-Yearly Compounding

A bank offers 6.9% compound interest per annum calculated on a half-yearly basis. A customer deposits ₹9,688 each on 1 January and 1 July of a year. At the end of the year, the amount he would have gained by way of interest is _____. (Round your answer to the nearest paise.)

A. ₹1,025.70

B. ₹1,014.24



C. ₹1,021.44

D. ₹1,022.06

Q33 Laws of Indices

Given that $81^{0.4} = x$, $81^{0.78} = y$ and $x^z = y^2$, then the value of z is:

A. 3.9



B. 4.9

C. 1.9

D. 2.9



Q34 Multiple Pipes

Pipe A can fill a tank in 6 hours, pipe B can fill the same tank in 24 hours and pipe C can fill the same tank in 24 hours. The time taken (in hours) by them to fill one-fourth of the same tank if they operate together is:

A. 2

B. 3

C. 4

D. 1

**Q35 Percentage Increase/Decrease**

The expenditure of Sudha is 150% more than her savings. If her expenditure decreases by 7% and savings increase by 21%, then by what percent does her income increase?

A. 6%

B. 3%

C. 1%



D. 5%

Q36 Population Based Problems

The population of a city is increased from 64,000 to 93,500 in a year. Calculate the percentage increase in the population (rounded off to two decimal places).

A. 46.64%

B. 46.09%



C. 46.39%

D. 46.56%

Q37 Prime & Composite Numbers

Which of the following pairs of numbers are co-prime?

A. 49, 217

B. 119, 239



C. 30, 201

D. 48, 111

Q38 Profit/Loss Percentage

A vendor sold 20 chocolates for one rupee and made a profit of 100%. How many chocolates did he originally purchase for one rupee?

A. 46

B. 40



C. 44

D. 42

Q39 Simple Ratio Partnership

Three friends, Amit, Sumit, and Rohit, invested ₹4,000, ₹6,000, and ₹8,000, respectively, to start a business. At the end of the year, they made a profit of ₹9,000. What is Sumit's share in the profit?

A. ₹2,000

B. ₹4,500

C. ₹4,000

D. ₹3,000

**Q40 Still Water Speed**

A boat travels a certain distance. The ratio of the time taken by the boat to travel downstream to the time taken to travel upstream is 5:7. If the downstream speed is 21 km/h, find the speed of the boat in still water.

A. 13 km/h

B. 9 km/h

C. 18 km/h



D. 12 km/h

Q41 Successive Discount

The marked price of a cooker is the same at four shops I, II, III and IV. Shop I allows two successive discounts of 73% and 79%, shop II allows successive discounts of 49% and 32%, shop III allows successive discounts of 14% and 92% and shop IV allows successive discounts of 76%, 49%, and 55% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

A. I

B. II

C. IV



D. III

Q42 Surface Area

Four litres of paint was required to paint the surface of a solid sphere. If 4 identical pieces were made of this solid sphere, then how many litres of paint would be required to paint all the surfaces of these 4 pieces?

A. 16

B. 6

C. 8



D. 12



Q43 Two Items Mixing

A mixture of chemicals contains chemical X and chemical Y. If 3 L of chemical Y is added, chemical X becomes 40%. If 3 L of chemical X is added instead, chemical X becomes 50%. Find the initial quantity of the mixture.

A. 21 L

B. 22 L

C. 27 L



D. 25 L

Q44 $\sin^2 + \cos^2 = 1$

if $\sin A + \cos A = \sqrt{2}$, then the value of $\sin A - \cos A$ is:

A. 0



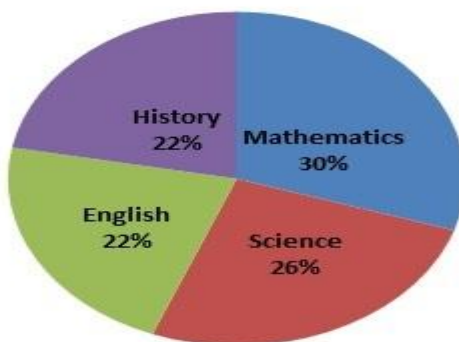
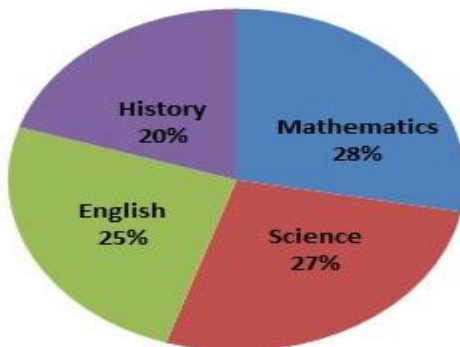
B. -0.6

C. 0.75

D. -0.75

Q45 Double Pie Chart

The given pie charts show details of two schools A and B, which have 300 students and 200 students, respectively, and the percentage wise distribution of the favourite subjects of the students. Study the charts carefully and answer the question that follows.

School -A**School -B**

Find the difference between the total number of students of school A whose favourite subjects are Mathematics or English, and the total number of students of school B whose favourite subjects are Science or English.

A. 43

B. 49

C. 38

D. 52



Q46 Mean of Grouped Data

If the mean of the following data is 49, then what is the value of x?

Class	10-20	20-30	30-40	40-50	50-60
Frequency	50	42	37	41	x

A. 565



B. 587

C. 559

D. 547

Q47 Pythagorean Identities

If A is an acute angle, what is the value of the following expression?

$$\frac{1 + \cos A}{1 - \cos A} - 2 \cot A \operatorname{cosec} A$$

A. $\operatorname{cosec}^2 A$ B. $\cot^2 A$ C. $\operatorname{cosec}^2 A - \cot^2 A$ D. $\operatorname{cosec}^2 A + \cot^2 A$ **Q48** Sector & Segment Area

If the length of the arc of a circle whose diameter is 14 cm is $3\frac{2}{3}$ cm, then twice the area of the sector is

A. $\frac{77}{3}$ B. $\frac{77}{5}$ C. $\frac{77}{2}$ D. $\frac{77}{9}$ **Q49** Surds

If $\sqrt{x^2 - 21^2} - \sqrt{7.29} = 17.3$, find the positive value of x.

A. 19

B. 29



C. 27

D. 21



Q50 Volume

The radius of a cylinder is increased by $33\frac{1}{3}\%$ and its height is decreased by $x\%$ such that the volume of the cylinder remains unchanged. Find x .

A. 41.25

B. 42.5

C. 43.75 

D. 44.15

General Intelligence & Reasoning

30 Questions • Answer Key

Q51 Alpha-Numeric Series

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

(Left) P R B F U P F B Z D O A X F I I E R C K V (Right)

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

A. None

B. Two 

C. One

D. Three

Q52 Analogy

OF 10 is related to QC -1 in a certain way. In the same way, JL 17 is related to LI 6. To which of the following is KM 5 related, following the same logic?

A. VJ -5

B. HY -7

C. CF -4

D. MJ -6 **Q53** Day of Week Assignment

Each of G, H, I, J, K, L and M has an exam on a different day of a week, starting from Sunday and ending on Saturday of the same week.

G has an exam on Wednesday. Only two people have exam between G and L. I has exam on the day immediately before H. Only one person has exam between I and K. J has exam before M.

On which day does M have the exam?

A. Friday

B. Saturday

C. Sunday 

D. Thursday

Q54 Day of Week Assignment

Each of P, Q, R, S, T, U and V has an exam on a different day of the same week starting from Monday and ending on Sunday.

R has an exam on one of the days after Thursday but not on Saturday. Only two people have exams between R and Q. V has an exam immediately before Q. As many people have an exam before V as after U. P has an exam immediately before T. More than two people have exams between T and S. Who has an exam on Tuesday?

A. Q

B. T 

C. P

D. V

Q55 Facing Outward

A, B, C, D, E and F are sitting around a circular table with their backs towards the centre. C is sitting second to the right of A. B is sitting second the right of C. F is sitting to the immediate left of A. D is not the immediate neighbour of A. Who is sitting to the immediate right of C?

A. B

B. E

C. F

D. D **Q56** Group Pattern

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

TEN YIS DMX IQC ?

A. MTG

B. OVI

C. OUG

D. NUH 

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Q57 Letter to Number Mapping

In a certain code language, 'CREW' is coded as '3685' and 'WEAR' is coded as '5816'. What is the code for 'A' in the given code language?

A. 6

B. 1



C. 5

D. 3

Q58 Linear Family Relations

U is father of V. V is mother of W. W is brother of X. How is U related to X?

A. Father

B. Mother

C. Father's Mother

D. Mother's Father

**Q59 Missing Number**

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

2 6 12 20 30 ?

A. 40

B. 44

C. 38

D. 42

**Q60 Operation Based**

Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number results in the second number. Similarly, certain mathematical operation(s) on the second number result(s) in the third number and so on. Which of the given options follows the same set of operations as that followed in the given sets?

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

18 - 36 - 108 - 118

24 - 48 - 144 - 154

A. 27 - 54 - 128 - 148

B. 26 - 52 - 62 - 124

C. 25 - 50 - 150 - 160



D. 28 - 38 - 76 - 86

Q61 Operation Based

134 is related to 403 following a certain logic. Following the same logic, 117 is related to 352. To which of the given options is 192 related, following the same logic?

(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 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.)

A. 536

B. 548

C. 524

D. 577

**Q62 Operator Swap**

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

$$29 \div 17 + 606 \times 3 - 359 = ?$$

A. 649

B. 638

C. 650



D. 660

Q63 Operator Swap

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

$$70 \div 2 + 150 \times 3 - 8 = ?$$

A. 98



B. 118

C. 108

D. 78

Q64 Operator Swap

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

$$21 \div 6 - 312 \times 6 + 49 = ?$$

A. 139

B. 137

C. 133

D. 129



Q65 Position Based

Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

NJM : SHJ

UNQ : ZLN

A. GPM : LNI

B. FIL : KFI

C. DLP : IJL

D. MSV : RQS

**Q66 Position Based**

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: RWG :: WBL : %

A. # = LNX , % = FKU

B. # = INX , % = FKV

C. # = INX , % = HKU

D. # = INX , % = FKU

**Q67 Position Pattern**

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

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

A. OQ - PV



B. LN - KM

C. HJ - GI

D. NP - MO

Q68 Position Pattern

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. LNQ



B. NQT

C. DGJ

D. PSV

Q69 Position from Left/Right

In a queue with total 18 students standing facing north, one behind the other, there were 4 students behind Rahul. What was Rahul's position from the front of the queue?

A. 13th

B. 12th

C. 14th



D. 15th

Q70 Rearrangement of Letters

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

A. Two



B. Four

C. One

D. Three

Q71 Rearrangement of Letters

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

A. One



B. Two

C. Four

D. Three

Q72 Shifting Pattern (+1, +2, etc.)

This question is based on the given words.

PAN LIP EGG HAT

If in each of the words, each letter is changed to the letter immediately following it in the English alphabetical order, how many words thus formed will have no vowel?

A. Two



B. Three

C. None

D. Four



Q73 Shifting Pattern (+1, +2, etc.)

This question is based on the following words.

SYE GEM TAP KIT

In each of the words, each vowel is changed to the second letter preceding it in the English alphabetical order and each consonant is changed to the letter immediately following it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

A. Three

B. Four

C. One

D. Two

Q74 Shortest Distance

Anita starts from Point A and drives 6 km towards North. She then takes a right turn, drives 5 km, turns right and drives 11 km. She then takes a right turn and drives 8 km. She takes a final right turn, drives 5 km and stops at Point B. How far (shortest distance) and towards which direction should she drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified.)

A. 3 km towards North

B. 5 km towards North

C. 3 km towards East

D. 5 km towards East

Q75 Single Row (One-way/Both-way)

Seven students, I, J, K, P, Q, R and Z, are sitting in a row, facing north.

P sits to the immediate right of I. No one sits to the right of K. Only three people sit between K and Z. Only two people sit between Z and Q. R sits third to the left of I.

How many people sit between J and Q?

A. One

B. Two

C. Three

D. Four

Q76 Symbol Based

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

Based on the above, how is D related to G if 'D + Y @ R - B # G'?

A. Mother's brother's daughter

B. Brother's wife

C. Brother's daughter

D. Mother's brother's wife

Q77 Symbol Included Pattern

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

(Left) G Ω M % I # D K \$ H E ω E S ± E % U \$ Z % U S # V
(Right)

How many such symbols are there, which are immediately preceded by a vowel and also immediately followed by consonant?

A. Three

B. Two

C. One

D. None

Q78 Symbol Included Pattern

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

(Left) P E X N \ P X K M ? + T A T C ^ J \ + J ^ (Right)

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

A. Four

B. Three

C. Two

D. One



Q79 Two Statement Syllogism

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

Statements:

Some pliers are wrenches.
All wrenches are hammers.

Conclusions:

- (I) Some hammers are pliers.
(II) No hammer is a plier.

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

**Q80 Word to Code Mapping**

In a certain code language, 'do your task fast' is coded as 'ar nm by pu' and 'task is very tough' is coded as 'gt ol cx nm'. How is 'task' coded in that language? (All the codes are two-letter codes only.)

- A. gt
B. ol
C. ar
D. nm

**General Awareness**

20 Questions • Answer Key

Q81 Economic Current Affairs

As reported in April 2026, which of the following regulatory authorities signed a comprehensive Memorandum of Understanding (MoU) with the Financial Intelligence Unit-India (FIU-India) to strengthen anti-money laundering efforts in the pension sector?

- A. Reserve Bank of India
B. Insurance Regulatory and Development Authority
C. Securities and Exchange Board of India
D. Pension Fund Regulatory and Development Authority

**Q82 Environment Current Affairs**

In 2026, the Government of India promoted green hydrogen initiatives mainly to support which SDG?

- A. SDG 7 – Affordable and Clean Energy
B. SDG 10 – Reduced Inequalities
C. SDG 15 – Life on Land
D. SDG 2 – Zero Hunger

**Q83 India's Foreign Relations**

Which country recently joined the Maitri Research Station as part of India's 45th Antarctic expedition, marking a significant milestone in scientific diplomacy?

- A. United Arab Emirates
B. Saudi Arabia
C. Qatar
D. Oman

**Q84 Individual Records**

At the indoor athletics meet held in Liévin, France, in February 2026, which athlete broke the women's indoor 800 metres world record, surpassing a mark that had stood since 2002?

- A. Roisin Willis
B. Keely Hodgkinson
C. Audrey Werro
D. Georgia Hunter Bell

**Q85 Individual Records**

Who became the youngest swimmer to cross the 29-km Palk Strait stretch between Sri Lanka and India under "Mission Samandar" in 2026?

- A. Divyansh Patel
B. Ishank Singh
C. Aditya Verma
D. Aryan Sharma

**Q86 Key Announcements**

What major financial reform was initiated in the Union Budget 2026 to support small businesses in India?

- A. Increasing GST rates for service providers
B. Launching export incentives for large corporations
C. Revising direct tax slabs for salaried employees
D. SME Growth Fund with an outlay of ₹10,000 crore



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Q87 Key Announcements

Which of the following initiatives, announced in the Union Budget 2026–27, is intended to transform India's sports ecosystem over the next decade?

- A. National Sports Excellence Programme
- B. Sports Talent Nurturing
- C. Khelo India Mission
- D. Youth Skilling Campaign

Q88 Military Exercises

Which Indian state hosted the inaugural multinational military exercise PRAGATI in May 2026?

- A. Assam
- B. Meghalaya
- C. Nagaland
- D. Bihar

Q89 Military Exercises

Which government initiative was showcased alongside PRAGATI 2026 through displays of indigenous equipment?

- A. Aatmanirbhar Bharat
- B. Digital India
- C. National Manufacturing Mission
- D. Startup India

Q90 Missile Tests & Systems

In May 2026, DRDO successfully conducted the maiden flight trial of the TARA weapon system. What is the primary function of this indigenous system?

- A. A hypersonic cruise missile for anti-ship operations.
- B. A new class of submarine-launched ballistic missile.
- C. An advanced drone for high-altitude surveillance.

- D. A modular range extension kit to convert unguided munitions into precision-guided weapons.

Q91 Modern Indian Authors

Which of the following authors wrote "The Sage who Reimagined Hinduism: The Life, Lessons and Legacy of Sree Narayana Guru", a book launched in February 2026 that explores the enduring influence of India's spiritual and reformist traditions?

- A. Adi Shankaracharya
- B. Dr. Shashi Tharoor
- C. C. P. Radhakrishnan
- D. Sree Narayana Guru

Q92 Modern Indian Authors

Who had authored the book 'The Library Man of India: The Story of P.N. Panicker' released by Vice President C. P. Radhakrishnan at Uprashtrapati Bhavan in May 2026?

- A. C. Radhakrishnan
- B. Shashi Tharoor
- C. P. P. Sathyan
- D. M. T. Vasudevan Nair

Q93 National Current Affairs

In February 2026, Prime Minister Modi inaugurated new administrative complexes in New Delhi as part of the Central Vista redevelopment. What are the names of these complexes and which body do they house?

- A. Seva Teerth and Kartavya Bhavan; house PMO, Cabinet Secretariat, and key ministries
- B. Swarna Mandir; houses the Ministry of Finance and RBI
- C. Bharat Bhavan; houses only the Ministry of Defence
- D. Lok Kalyan Marg; houses the Prime Minister's residence and office

Q94 New Parks & Reserves

In April 2026, which protected area in Uttar Pradesh was officially designated as India's 99th Ramsar Site for wetland conservation?

- A. Sultanpur National Park
- B. Shekha Jheel Bird Sanctuary
- C. Keoladeo National Park
- D. Nal Sarovar Bird Sanctuary

Q95 New Schemes & Programs

Which ministry launched the free course "YUVA AI for ALL" under the IndiaAI Mission 2025 in November 2025?

- A. Ministry of Skill Development and Entrepreneurship
- B. Ministry of Science and Technology
- C. Ministry of Education
- D. Ministry of Electronics and Information Technology



Q96 Olympics, CWG, Asian Games

The 2026 Winter Olympics, officially known as the Milano Cortina 2026 Olympic Winter Games, were held in which country?

- A. France
- B. Austria
- C. Italy
- D. Switzerland

Q97 Policy Changes & Amendments

The "Viksit Bharat - G RAM G Act, 2025," which became a major policy focus in the Union Budget 2026-27, primarily replaces which previous rural employment guarantee scheme?

- A. Mahatma Gandhi National Rural Employment Guarantee Act
- B. Pradhan Mantri Gram Sadak Yojana
- C. Deen Dayal Upadhyaya Grameen Kaushalya Yojana
- D. National Rural Health Mission

Q98 Rankings & Reports

According to the Economic Survey 2025-26 and World Bank assessment, India was ranked among the top five countries globally in which area among low- and middle-income economies?

- A. Gold production
- B. Foreign tourist arrivals
- C. Agricultural export growth
- D. Private investment in infrastructure

Q99 Science & Technology Current Affairs

Which autonomous research institute under the Department of Atomic Energy had conducted the 2026 first-of-its-kind study analysing the impact of climate shocks such as erratic rainfall, floods, droughts, and rising temperatures on poverty across 593 districts in 21 states of India?

- A. Indian Institute of Science Education and Research
- B. National Institute of Science Education and Research
- C. Indian Council of Agricultural Research
- D. National Environmental Research Institute

Q100 UN Declared Days

The theme "Rights. Justice. Action. For ALL Women and Girls" is associated with which international observance celebrated in March 2026?

- A. World Social Justice Day
- B. International Youth Day
- C. International Women's Day
- D. International Day of the Girl Child



General Science

25 Questions • Answer Key

Q1 Atomic Structure & Models

An atom of element Y has an atomic mass of 20 u. If another atom of Y has two more neutrons but the same number of protons, what will be its atomic mass?

- A. 20 u
- B. 24 u
- C. 18 u
- D. 22 u



Q2 Balancing Chemical Equations

Which observation would show a violation of the law of conservation of mass in a closed system?

- A. The mass of the products is less than the mass of the reactants
- B. A white precipitate forms after mixing solutions
- C. The color of the solution changes after reaction
- D. The temperature of the system increases



Q3 Cell Division (Mitosis, Meiosis)

When the regulatory mechanisms controlling cell growth fail, cells begin to divide uncontrollably, leading to the formation of _____.

- A. Vacuoles
- B. Cell inclusions
- C. Organ systems
- D. Tumours



Q4 Classification of Organisms

In the biological taxonomic hierarchy, which taxonomic rank is determined last when classifying a newly discovered plant?

- A. Genus
- B. Family
- C. Species
- D. Order



Q5 Ecosystem & Food Chain

The difference between a food chain and a food web is that:

- A. energy transfer efficiency is higher in food chains than in food webs
- B. a food chain represents a single linear pathway, while a food web shows interconnected feeding relationships
- C. a food chain always involves decomposers, while food webs do not
- D. food chains exist in aquatic ecosystems, while food webs are only in terrestrial ecosystems



Q6 Electromagnetic Spectrum

A solar panel in India is exposed to sunlight under clear sky conditions. Which electromagnetic spectrum segment delivers the Sun's greatest energy to a solar panel in India for electricity generation?

- A. Visible light
- B. Ultraviolet light
- C. Gamma rays
- D. Infrared radiation



Q7 Extraction & Metallurgy

Which of the following metals is extracted by electrolysis due to its position at the top of the activity series?

- A. Iron
- B. Sodium
- C. Zinc
- D. Copper



Q8 Human Body & Physiology

Epithelial tissues act as the covering or protective layers in animals. Which of the following is NOT a location where you would find epithelial tissue?

- A. Skin
- B. Kidney tubules
- C. Inside of a bone
- D. Lining of the mouth



Q9 Hydrocarbons (Methane, Ethane, etc.)

What visible change occurs when bromine water is added to ethene?

- A. The solution turns blue after addition reaction
- B. A white precipitate forms in the water after addition reaction
- C. The bromine water remains orange after reaction
- D. The bromine water changes from orange to colorless ✓

Q10 Hydrocarbons (Methane, Ethane, etc.)

When comparing methane (CH_4) and ethene (C_2H_4), what is true regarding their covalent bonds?

- A. Methane contains one double covalent bond
- B. Ethene contains double bonds between hydrogen atoms
- C. Both contain only non-polar covalent bonds
- D. Methane contains only single covalent bonds while ethene has a double bond ✓

Q11 Magnetic Effects of Current

Why are field lines inside a solenoid described as parallel straight lines?

- A. Because parallel lines suggest the field varies greatly
- B. Because the magnetic field is the same at all points inside, indicating uniformity ✓
- C. Because the current changes direction rapidly
- D. Because the solenoid is very short in length

Q12 Magnetic Effects of Current

During an experiment, a student applies the Right Hand Thumb Rule to a vertical wire with current flowing upward. What is the direction of the magnetic field at a point directly east of the wire?

- A. The magnetic field points towards the south at that point
- B. The magnetic field points towards the west at that point
- C. The magnetic field points towards the north at that point ✓
- D. The magnetic field points towards the east at that point

Q13 Mechanics

A car travels 150 kilometers in 3 hours. What is the average speed of the car, and what is the correct unit for this quantity?

- A. 150 kilometers per hour
- B. 50 kilometers per hour ✓
- C. 0.02 kilometers per hour
- D. 50 kilometers per minute

Q14 Mirrors & Lenses

A convex lens forms a virtual image 15 cm on the same side as the object when the object is placed 10 cm from the lens. What is the focal length of the lens?

- A. -10 cm
- B. +10 cm
- C. +30 cm ✓
- D. -30 cm

Q15 Mirrors & Lenses

Two lenses, one converging with focal length 12 cm and one diverging with focal length -18 cm, are placed in contact. What is the combined focal length of this lens system?

- A. 16 cm
- B. 8 cm
- C. 7.2 cm
- D. 36 cm ✓

Q16 Mirrors & Lenses

A person wants to project a magnified real image of a small object onto a screen using a convex lens. Where should the object be placed relative to the lens?

- A. At the principal focus of the lens
- B. At twice the focal length from the lens
- C. Between the focus and twice the focal length from the lens ✓
- D. Between the lens and its principal focus



Q17 Nervous System & Brain

Why is consciously thinking before withdrawing the hand from a hot object considered inefficient?

- A. The brain cannot receive incoming sensory signals sent directly from the skin.
- B. Muscles cannot respond to signals sent by the brain during dangerous events.
- C. Nerve impulses travel only from the body muscles directly back to the brain.
- D. Thinking involves time taking complex interactions of many nerve impulses. ✓

Q18 Newton's Laws of Motion

When a motorcar makes a sharp turn at a high speed, the passengers tend to get thrown to one side. This can be explained using which of the following laws?

- A. Law of Conservation of Momentum
- B. Law of static friction
- C. Newton's First Law of Motion ✓
- D. Newton's Law of Gravitation

Q19 Physical & Chemical Properties

Why is corrosion considered economically harmful to metallic structures and machinery?

- A. It enhances metal conductivity
- B. It weakens metals and reduces durability ✓
- C. It increases metal reactivity
- D. It improves surface appearance

Q20 Plant Tissues & Transport

Water moves from the soil into the root hair cells mainly due to which of the following processes?

- A. Active transport
- B. Diffusion
- C. Transpiration
- D. Osmosis ✓

Q21 Respiratory System

Which product is formed during anaerobic respiration in human muscles?

- A. Lactic acid ✓
- B. Carbon dioxide
- C. Ethanol
- D. Water

Q22 Separation Techniques

Which of the following statements about centrifugation is INCORRECT?

- A. Centrifugation involves spinning a mixture at high speed to separate its components.
- B. Centrifugation is used for separating components of different densities in a mixture.
- C. Only solid mixtures with similar particle sizes can be separated by centrifugation. ✓
- D. Centrifugation can be applied in laboratory to separate the components of blood.

Q23 Work, Energy & Power

When lifting an object upwards, the work done by the force of gravity is considered negative because _____.

- A. The object is displaced upward, opposite to the downward force of gravity ✓
- B. The force of gravity is constant
- C. The net force on the object is zero
- D. Force of gravity only does positive work on falling objects

Q24 Work, Energy & Power

For the same amount of work, the time taken by Machine A is one-half that of Machine B. What is the ratio of the power of Machine A to that of Machine B?

- A. 1 : 1
- B. 2 : 1 ✓
- C. 1 : 2
- D. 4 : 1

Q25 pH Scale & Indicators

What is the reason for the colour change of phenolphthalein after adding an acid to a basic solution?

- A. The solution evaporates
- B. The temperature increases
- C. The solution becomes neutral or acidic ✓
- D. The solution is diluted



Q26 Angle of Elevation

A 5G telecom tower is installed in a smart city zone. From a point on the ground 20 m away from the base of the tower, the angle of elevation of the top of the tower is 45° . Find the height of the tower (in meters).

- A. 18 m
- B. 25 m
- C. 20 m
- D. 22 m

**Q27** Basic Ratio

Two numbers are in the ratio 7:9. If 21 is added to each number, the ratio becomes 3:4. Find the numbers.

- A. -147, -189
- B. -98, -126
- C. -84, -108
- D. -91, -117

**Q28** Basic TSD

Jeeps leave a forest checkpoint every 10 minutes and travel at a constant speed of 24 km/h along the same trail. What is the distance (in km) between any two jeeps already on the trail?

- A. 6
- B. 5
- C. 4
- D. 3

**Q29** Corresponding Angles

Two parallel lines are cut by a transversal. If one angle is $(3x + 10)^\circ$, and its corresponding angle is $(5x - 30)^\circ$, find the value of x .

- A. 20
- B. 25
- C. 18
- D. 15

**Q30** Find SI

Two banks, A and B, offered loans at 3.5% and 8.5% per annum, respectively. David borrowed an amount of ₹4,80,000 from each bank. Find the positive difference between the amounts (in ₹) of simple interest paid to the two banks by David after 3 years.

- A. 73,000
- B. 73,500
- C. 71,500
- D. 72,000

**Q31** Finding HCF

What is the HCF of 432 and the LCM of 120 and 150?

- A. 24
- B. 12
- C. 8
- D. 16

**Q32** Finding Present Age

The sum of the ages of a father and his son is 50. If the father is 4 times the son's age, find the son's age.

- A. 14 years
- B. 10 years
- C. 12 years
- D. 16 years

**Q33** HCF/LCM Word Problems

Two security lights flash at regular intervals, one every 36 minutes and the other every 54 minutes. If both lights flash together at 8:00 AM, when will they flash together again?

- A. 9:08 AM
- B. 9:38 AM
- C. 9:28 AM
- D. 9:48 AM

**Q34** Half-Yearly Compounding

If a sum of ₹6,20,000 is invested for a year at 2% per annum compounded half-yearly, then find the compound interest.

- A. ₹13,795
- B. ₹10,682
- C. ₹12,462
- D. ₹11,667



Q35 Heron's Formula

Calculate the area of a triangle whose sides are 14 cm, 21 cm and 29 cm (rounded off to two decimal places).

- A. 137.08 cm²
- B. 137.87 cm² ✓
- C. 137.42 cm²
- D. 137.71 cm²

Q36 Percentage Increase/Decrease

The expenditure of Sudha is 100% more than her savings. If her expenditure decreases by 4% and savings increase by 35%, then by what percent does her income increase?

- A. 14%
- B. 12%
- C. 11%
- D. 9% ✓

Q37 Profit/Loss Percentage

By selling 24 articles, a shopkeeper gains the selling price of 12 articles. What is his gain percentage?

- A. 100% ✓
- B. 150%
- C. 50%
- D. 200%

Q38 Replacement of Mixture

A container holds a mixture of milk and water in the ratio 7:3. After 2 litres of the mixture are replaced with 2 litres of pure water, the new ratio of milk to water becomes 7:5. What was the initial quantity of milk present in the mixture?

- A. 9.1 liters
- B. 6.3 liters
- C. 8.4 liters ✓
- D. 5.6 liters

Q39 Successive Discount

The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 99% and 40%, shop II allows successive discounts of 53% and 52%, shop III allows successive discounts of 52% and 10% and shop IV allows successive discounts of 51%, 85% and 68% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

- A. II
- B. IV
- C. III
- D. I ✓

Q40 Two Items Mixing

A shopkeeper buys 5 kg of rice at ₹40 per kg and 15 kg of rice at ₹60 per kg. What is the average cost per kg of the mixture?

- A. ₹52
- B. ₹50
- C. ₹45
- D. ₹55 ✓

Q41 Two Successive Changes

A number is first increased by 30%, and then decreased by 20%. What is the overall percentage change in the number?

- A. Decrease of 4%
- B. Increase of 10%
- C. Decrease of 8%
- D. Increase of 4% ✓

Q42 Two Trains Crossing

Two trains are moving in opposite directions at the speeds of 80 kmph and 70 kmph. Their lengths are 1.20 km and 0.8 km, respectively. The time taken by the slower train to cross the faster train (in seconds) is:

- A. 50
- B. 40
- C. 48 ✓
- D. 42



Q43 Value Decrease Over Time

A company car loses 20% of its value each year. Three years later, the car is worth ₹32,768. What was the initial value of the car?

- A. ₹59,800
- B. ₹67,800
- C. ₹61,200
- D. ₹64,000

**Q44 Weighted Average**

A school has four grades. The average marks scored in Grade 9, Grade 10, Grade 11, and Grade 12 are 65, 70, 70, and 74, respectively. The number of students in each corresponding grade are 40, 45, 35, and 50. What is the weighted arithmetic mean marks for all students across the grades?

- A. 73
- B. 70
- C. 69
- D. 68

**Q45 Combined Work Rate**

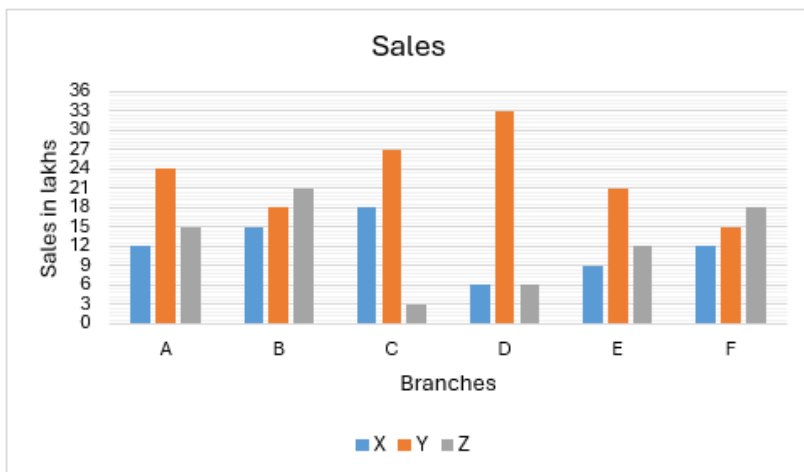
A and B together can do a piece of work in 15.5 days and A alone can do it in 21 days. In how much time could B alone do it?

- A. $79\frac{2}{11}$ days
- B. $69\frac{2}{11}$ days
- C. $59\frac{2}{11}$ days
- D. $89\frac{2}{11}$ days

**Q46 Comparative Analysis**

The given graph shows the sales (in lakhs) of mobile phones of three brands, X, Y and Z, from six branches (A, B, C, D, E and F) of a company.

Study the graph and answer the question that follows.



What is the ratio of the total sales of Branch A to that of Branch D?

- A. 13 : 15
- B. 15 : 13
- C. 15 : 17
- D. 17 : 15



Q47 Laws of Indices

Simplify:

$$\frac{(p^2q^{-3})^3(p^{-5}q^4)^2}{p^{-1}q^{-2}}.$$

A. $\frac{p^2}{q^5}$

B. $\frac{q}{p^3}$ ✓

C. $\frac{p}{q^3}$

D. $\frac{q^2}{p^5}$

Q48 Mean of Grouped Data

If the mean of the following data is 44, then what is the value of x?

Class	10-20	20-30	30-40	40-50	50-60
Frequency	36	37	26	34	x

A. 159

B. 160

C. 161

D. 177 ✓

Q49 Volume

The cost of painting the outer surface of a closed cuboidal box is ₹4,340 at the rate of ₹10 per square cm. The sum of the length and the breadth of the box is 23 cm. If the height of the box is 5 cm, then the quantity of air in the box is:

A. 440 cm^3

B. 484 cm^3

C. 500 cm^3

D. 510 cm^3 ✓

Q50 $\sec^2 - \tan^2 = 1$ If $\operatorname{msec} \alpha = 8$, $\operatorname{mtan} \alpha = 4$, then the value of $\operatorname{m}^2 \operatorname{cosec} \alpha$ is:

A. 48

B. 2

C. 96 ✓

D. 24



Q51 Alpha-Numeric Series

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

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

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

A. Three



B. Two

C. One

D. None

Q52 Day of Week Assignment

Each of C, D, E, F, J, K and L has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week. Only three people have exams between F and J. Only three people have exams between K and C. D has exam on some day before L and on some day after E. Only C has exam after J. How many people have exams after F?

A. Four

B. Three

C. One

D. Five

**Q53 Floor/Building Arrangement**

Seven boxes I, J, K, Q, R, S and T are kept one over the other but not necessarily in the same order. Only two boxes are kept between J and I. Only K is kept above R. Only four boxes are kept between R and I. Q is kept at some place below S but at some place above T. Which box is kept second above T?

A. I

B. S

C. J



D. Q

Q54 Group Pattern

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

HKMN, DNKO, ?, VTGQ, RWER

A. ZQPI

B. ZIQP

C. ZPIQ

D. ZQIP

**Q55 Letter to Number Mapping**

In a certain code language, 'SOLD' is coded as '5368' and 'LOUD' is coded as '6318'. What is the code for 'U' in the given code language?

A. 5

B. 6

C. 3

D. 1

**Q56 Letter to Number Mapping**

In a certain code language, 'WIRE' is coded as '2954' and 'DREW' is coded as '4932'. What is the code for 'D' in the given code language?

A. 4

B. 3

C. 9

D. 2

**Q57 Linear Family Relations**

V is wife of W. W is father of X. X is brother of Y. How is V related to Y?

A. Mother



B. Sister

C. Mother's Mother

D. Father

Q58 Missing Number

What should come in place of ? in the given series?
541 505 460 406 ? 271

A. 352

B. 333

C. 354

D. 343



Q59 Operation Based

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 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.)

(10, 200, 10)

(12, 288, 12)

A. (8, 64, 8)

B. (9, 180, 11)

C. (9, 162, 10)

D. (11, 242, 11)

**Q60 Operation Based**

23 is related to 368 following a certain logic. Following the same logic, 47 is related to 752. To which of the given options is 33 related, following the same logic?
(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 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.)

A. 528



B. 568

C. 534

D. 551

Q61 Operator Swap

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

$$17 - 34 \div 5 + 120 \times 12 = ?$$

A. 171

B. 177



C. 180

D. 173

Q62 Pattern Based

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: GPW :: WJC : %

A. # = HQX, % = XLF

B. # = FNT, % = XLF



C. # = FQT, % = YMF

D. # = HQX, % = YMG

Q63 Pattern Based

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.

GDP : DAM

DOQ : ALN

A. EHL : CFI

B. MPN : JMK



C. XHG : VFC

D. SEL : OAI

Q64 Position Based

ROBM is related to GDQB in a certain way based on the English alphabetical order. In the same way, ZWJU is related to OLYJ. To which of the following options is SPCN related, following the same logic?

A. HEAR

B. HRED

C. HERC



D. HCDE

Q65 Position Pattern

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the 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. BXU

B. IEB

C. PLI

D. TQM



Q66 Position Pattern

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. GJL

B. JMO

C. SUW



D. DGI

Q67 Position from Left/Right

Soumya ranked 21st from the bottom and 16th from the top in his class. How many students are there in his class?

A. 34

B. 37

C. 36



D. 35

Q68 Rearrangement of Letters

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

A. One

B. Two

C. Three

D. Four

**Q69 Rearrangement of Letters**

The position of how many letters will remain unchanged if the letters in the word 'BOWL' are arranged as per the English alphabetical order?

A. Four

B. Zero

C. Two

D. One

**Q70 Rearrangement of Letters**

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

A. Four

B. Two

C. Three

D. One

**Q71 Shifting Pattern (+1, +2, etc.)**

This question is based on the following words.

JUG GAB POT PEA

In each of the words, each vowel is changed to the second letter following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

A. One

B. Three

C. Two

D. Zero

**Q72 Single Row (One-way/Both-way)**

Seven people, P, Q, S, T, U, V, and W, are sitting in a row, all facing the north. Only two people sit to the left of V. There are exactly three people between V and U. T sits second to the right of V. There are exactly two people between T and Q. P sits somewhere to the right of W but to the left of S. Based on the given information, how many people are sitting to the right of P?

A. Two

B. Four

C. Three



D. One

Q73 Single Row (One-way/Both-way)

Seven students, I, J, K, P, Q, R and Z, are sitting in a row, facing north.

Only K sits to the right of R. Only one person sits between P and R. Only two people sit between I and P. J sits at some place to the right of Q but at some place to the left of Z.

Who sits third from the right end of the row?

A. R

B. Z



C. P

D. Q



Q74 Symbol Based

In a certain code language,
 $A + B$ means 'A is the mother of B',
 $A - B$ means 'A is the brother of B',
 $A \times B$ means 'A is the wife of B',
 $A \% B$ means 'A is the father of B',
 and $A \# B$ means 'A is the daughter of B'.

How is G related to N if ' $G + P - Q \% K \# S + N$ '?

- A. Brother's wife
- B. Father's mother** ✓
- C. Mother
- D. Sister's daughter

Q75 Symbol Included Pattern

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

(Left) 4 3 1 2 \$ 9 & 2 ? 4 @ 1 9 * 3 7 3 @ & < % (Right)

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

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

Q76 Symbol Included Pattern

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

(Left) N % Q E A L & M @ B & F > £ N H * \$ < L % P (Right)

How many such symbols are there, each of which are immediately preceded by a letter and immediately followed by a symbol?

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

Q77 Symbol Substitution

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?

165 A 5 D 17 C 13 B 6 = ?

- A. 94** ✓
- B. 90
- C. 95
- D. 98

Q78 Symbol Substitution

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?

20 A 2 B 5 C 4 D 6 = ?

- A. 46
- B. 47
- C. 45
- D. 48** ✓

Q79 Two Statement Sufficiency

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Question: 5 buildings, A, K, T, W and Z, each have different heights. Which building is the shortest?

(I) K is taller than W. W is taller than T.

(II) Only T is shorter than A. Z is taller than A.

- A. Data in both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question
- B. Data in both statements I and II together are NOT sufficient to answer the question
- C. Data in statement I alone is sufficient to answer the question while data in statement II is not
- D. Data in statement II alone is sufficient to answer the question while data in statement I is not** ✓



Q80 Two Statement Syllogism

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

Statements: All nets are bedsheets. All nets are pillows.

Conclusions (I) : Some bedsheets are pillows.

Conclusions (II) : All pillows are nets.

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

General Awareness

20 Questions • Answer Key

Q81 Civilian Awards

In May 2026, Harmanpreet Kaur was awarded the Padma Shri at Rashtrapati Bhavan. What was the primary achievement that led to this national honor?

- A. Leading India to its maiden ODI World Cup title ☒
- B. Scoring the fastest century in a T20 international
- C. Completing three hundred international match appearances
- D. Securing consecutive gold medals at the Asian Games

Q82 Civilian Awards

Who among the following personalities from Puducherry was awarded the Padma Shri in May 2026 in the field of Sports?

- A. Shri S. Rajasekar
- B. Shri R. Venkatesan
- C. Shri M. Dhanapal
- D. Shri K Pajanivel ☒

Q83 Cricket (IPL, WC, etc.)

In which of the following Indian cities was the final of the ICC Men's T20 World Cup 2026 played, where India defeated New Zealand to become the first team to win three titles?

- A. Kolkata
- B. Mumbai
- C. Chennai
- D. Ahmedabad ☒

Q84 Defense & Technology

In February 2026, which national strategic framework guided the high-level Operations Conclave hosted by the Headquarters Western Air Command to enhance collaboration among the Indian armed forces?

- A. All Domain Joint Operations ☒
- B. Theater Command Decentralization
- C. Integrated Coastal Defense
- D. Network Centric Cyber Warfare

Q85 Defense & Technology

With which organization did Hindustan Aeronautics Limited sign a key technology agreement to jointly manufacture advanced jet engines in April 2026?

- A. Northrop Grumman
- B. Lockheed Martin
- C. GE Aerospace ☒
- D. Raytheon Technologies

Q86 Famous Works & Authors

Which book released on March 24, 2026, is authored by Katrina Manson detailing the Pentagon's campaign to integrate artificial intelligence and algorithmic targeting into modern warfare?

- A. Mission Phoenix: An Air Force General, His Squadron, and the Age of Drone Warfare
- B. Project Maven: A Marine Colonel, His Team, and the Dawn of AI Warfare ☒
- C. Operation Sentinel: A Naval Commander, His Unit, and the Rise of Cyber Warfare
- D. Code Frontier: A Military Captain, His Network, and the Future of Digital Warfare



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Q87 HDI, GHI, etc.

According to the Corruption Perceptions Index (CPI), 2025, released by Transparency International in February 2026, what were India's rank and score?

- A. 89th rank with a score of 41/100
- B. 92nd rank with a score of 38/100
- C. 90th rank with a score of 40/100
- D. 91st rank with a score of 39/100**

Q88 International Awards

Which scientist from the Centre for Development of Telematics (C-DOT) received the IEEE SA Standards Medallion Award in 2025 for contributions to rural broadband standards and solutions?

- A. A. S. Kiran Kumar
- B. Sandeep Kumar Agrawal**
- C. Sam Pitroda
- D. Rajkumar Upadhyay

Q89 International Organizations

Which international organization has partnered with the Government of India to launch the eight-year Country Strategic Opportunities Programme (COSOP) from 2026 to 2033 to strengthen rural economy?

- A. International Monetary Fund
- B. International Fund for Agricultural Development**
- C. Asian Development Bank
- D. World Bank

Q90 Missile Tests & Systems

Which of the following advanced payload delivery technologies was successfully validated by India during the May 2026 flight-test of the Advanced Agni missile from Dr APJ Abdul Kalam Island, Odisha?

- A. Atmospheric Liquid Ramjet Sustained Booster
- B. Electro-Optical Wire-Guided Sub-Munition
- C. Multiple Independently Targeted Re-entry Vehicle**
- D. Hypersonic Glide Non-Separable Warhead

Q91 Missile Tests & Systems

The VL-Shtil missile system in the deal will strengthen the air defence capability of the:

- A. Border Security Force
- B. Indian Navy**
- C. Indian Army
- D. Indian Air Force

Q92 Modern Indian Authors

Which author released the book, Karuna: The Power of Compassion, in March 2026?

- A. Rajdeep Sardesai
- B. Devdutt Pattanaik
- C. Ruskin Bond
- D. Kailash Satyarthi**

Q93 National Current Affairs

In October 2025, which severe cyclonic storm made landfall on India's east coast, forcing the evacuation of tens of thousands of people from coastal areas of Andhra Pradesh and Odisha?

- A. Cyclone Shakti
- B. Cyclone Montha**
- C. Cyclone Remal
- D. Cyclone Ditwah

Q94 National Current Affairs

Which expressway had been inaugurated in April 2026 in HarDOI, Uttar Pradesh as a 594-km long access-controlled greenfield expressway?

- A. Bundelkhand Expressway
- B. Ganga Expressway**
- C. Yamuna Expressway
- D. Purvanchal Expressway

Q95 National Themed Days

What was the official designated theme for the National Voters' Day celebrated across India in 2026?

- A. Nothing Like Voting, I Vote for Sure
- B. My India, My Vote**
- C. Making Elections Inclusive and Accessible
- D. No Voter to be Left Behind

Q96 New Guidelines & Regulations

The grievance redressal campaign launched by the Reserve Bank of India in January 2026 was associated with which mechanism?

- A. Credit Authorisation Mechanism
- B. Integrated Ombudsman Scheme**
- C. Monetary Policy Framework
- D. Prompt Corrective Action Framework



Q97 New Schemes & Programs

Which wearable facility name had been launched in February 2026 by Union Minister of Minority Affairs Kiren Rijju to assist Haj pilgrims during the Haj pilgrimage?

- A. Haj Safety Identity Band
- B. Haj Digital Travel Card
- C. Pilgrim Assistance Tracker
- D. Haj Suvidha Smart Wristbands

**Q98 Olympics, CWG, Asian Games**

"IT's Your Vibe" was unveiled as the official motto of which international sporting event held in 2026?

- A. 2026 Winter Olympics
- B. FIFA World Cup 2026
- C. Commonwealth Games 2026
- D. Asian Games 2026

**Q99 Policy Changes & Amendments**

Which of the following bills was passed by both Houses of Parliament during the 2026 Budget Session?

- A. The Delimitation Bill, 2026
- B. The Corporate Laws (Amendment) Bill, 2026.
- C. The Jan Vishwas (Amendment of Provisions) Bill, 2026
- D. The Union Territories Laws (Amendment) Bill, 2026

**Q100 Summits & Conferences**

The World Sustainable Development Summit held in February 2026 in New Delhi mainly focused on which theme?

- A. Partnerships: Innovation, Inclusion and Global Economic Development
- B. Development: Infrastructure, Technology and Social Transformation
- C. Transformations: Vision, Voices and Values for Sustainable Development
- D. Sustainability: Governance, Finance and International Cooperation



General Science

25 Questions • Answer Key

Q1 Atomic Structure & Models

What role do electrons play in the overall charge of an atom?

- A. They balance the positive charge of protons to make atoms neutral ✓
- B. They are present inside the nucleus with neutrons
- C. They make the atom positively charged
- D. They add significant mass to the atom

Q2 Atomic Structure & Models

According to Bohr's Atomic Model, the orbit closest to the nucleus is called:

- A. K-shell ✓
- B. L-shell
- C. N-shell
- D. M-shell

Q3 Basic Organic Chemistry

The combustion of carbon allotropes, like diamond and graphite, produces:

- A. only carbon dioxide
- B. only carbon dioxide and heat
- C. only carbon dioxide and light
- D. carbon dioxide, heat and light ✓

Q4 Cell Division (Mitosis, Meiosis)

When a cell prepares to divide, the chromatin material organizes itself into _____.

- A. Nuclear pores
- B. Lysosomes
- C. Chromosomes ✓
- D. Proteins

Q5 Current Electricity (Ohm's Law, Circuits)

In a laboratory, a student wants to verify Ohm's Law for a new material. Which experimental approach will most accurately determine if the material obeys Ohm's Law?

- A. Measure current for several applied voltages and plot voltage versus current ✓
- B. Calculate voltage for a fixed current
- C. Measure resistance at one voltage and compare to tabulated value
- D. Observe the heat produced at a single applied voltage

Q6 Digestive System

Carbohydrate digestion in humans begins in the mouth and is completed in which part of the digestive tract?

- A. Small intestine ✓
- B. Stomach
- C. Oesophagus
- D. Large intestine

Q7 Echo, Resonance, Doppler Effect

A student shouts facing a building 220 meters away. If the speed of sound is 330 m/s, how long after the shout will the echo be heard?

- A. 0.44 s
- B. 1.33 s ✓
- C. 0.67 s
- D. 2.20 s

Q8 Extraction & Metallurgy

Which sequence best describes the steps for obtaining a pure metal from its ore?

- A. Ore is enriched, then metal is extracted, and finally purification is performed. ✓
- B. Ore is melted, then metal is extracted, and finally enrichment is performed.
- C. Ore is purified, then metal is extracted, and finally enrichment is performed.
- D. Metal is extracted, then ore is enriched, and finally purification is performed.



Q9 Human Eye & Defects

With ageing, the power of accommodation of the human eye decreases, causing difficulty in viewing nearby objects clearly. This defect is known as:

- A. Myopia
- B. Astigmatism
- C. Hypermetropia
- D. Presbyopia



Q10 Hydrocarbons (Methane, Ethane, etc.)

A compound has the molecular formula C_4H_{10} . Which statement best describes its structure?

- A. It forms only one possible structure
- B. It must contain a carbon-carbon double bond
- C. It has a cyclic structure and a single isomer
- D. It can exist as two different isomers with straight or branched chains



Q11 Indian Scientists

A policymaker is evaluating the large-scale deployment of solar power in India. Which historical contribution provided the foundational data for solar insolation mapping?

- A. Government weather forecasts
- B. University climate models
- C. NASA satellite data collection
- D. Anna Mani's solar radiation measurements



Q12 Mechanics

A cyclist covers 2 km in the first 10 minutes and 3 km in the next 10 minutes. What type of motion is this?

- A. periodic motion
- B. circular motion
- C. uniform motion
- D. non-uniform motion



Q13 Mechanics

A toy train moves around a circular track at a constant speed. Which statement correctly describes its motion?

- A. The train changes its direction continuously while moving with constant speed.
- B. The train moves with increasing speed along the circular track.
- C. The train remains at rest because its speed does not change.
- D. The train moves in a straight line with constant speed.



Q14 Mixtures, Solutions, Colloids

Which of the following is a pure substance?

- A. Only mixture
- B. Only compound
- C. Only element
- D. Both compound and element



Q15 Plant Kingdom (Divisions)

A researcher attempts to cultivate plants with true roots, stems, and leaves but finds that reproduction only occurs when water is present. Which feature limits these plants' distribution?

- A. Absence of true roots
- B. Water-dependent reproduction
- C. Lack of vascular tissue
- D. Seeds encased in fruits



Q16 Pollution (Air, Water, Soil, Noise)

Why is depletion of the ozone layer by chlorofluorocarbons (CFCs) considered dangerous for organisms?

- A. It leads to an increase in atmospheric oxygen levels
- B. It leads to the generation of infrared radiation
- C. It leads to penetration of UV rays into the atmosphere
- D. It leads to an decrease in rainfall



Q17 Pollution (Air, Water, Soil, Noise)

If the ozone layer becomes thinner, which of the following could happen on Earth?

- A. Reduction in oxygen levels
- B. Cooling of the Earth's atmosphere only
- C. Decrease in sunlight reaching plants
- D. Increase in ultraviolet radiation reaching Earth



Q18 Properties & Tests

What is a common observable change when a non-metallic oxide is bubbled through a base?

- A. The solution turns bright red in color
- B. There is a decrease in alkalinity of the solution
- C. A gas is evolved rapidly during the reaction
- D. The temperature of the solution falls sharply



Q19 Reactivity Series

A student mixes lead metal with iron(II) sulfate solution and observes no visible change. Which statement best explains this observation?

- A. Lead reacts vigorously with iron(II) sulfate forming a new compound.
- B. Lead is more reactive than iron and displaces it from the solution.
- C. The reaction is reversible, so no net change is observed.
- D. Lead is less reactive than iron and cannot displace it from its compound. ✓

Q20 Respiratory System

Which of the following formations is the three carbon molecule formed during the breakdown of glucose?

- A. Formation of fructose-6-phosphate
- B. Formation of glucose-6-phosphate
- C. Formation of pyruvate molecule ✓
- D. Formation of acetyl-co-A molecule

Q21 Skeletal & Muscular System

A football player tears a structure that connects muscles to bones during practice. Which structure is most likely damaged?

- A. Nerve
- B. Cartilage
- C. Ligament
- D. Tendon ✓

Q22 Sound

Why does touching a vibrating tuning fork to water cause ripples?

- A. The fork heats the water and makes ripples
- B. The fork makes sound but does not move water
- C. Water forms ripples without vibration
- D. Vibrations from the fork transfer energy, moving water ✓

Q23 Work, Energy & Power

When a flashlight is turned on, what energy change occurs?

- A. Light energy changes to chemical energy
- B. Chemical energy changes to light energy ✓
- C. Chemical energy changes to sound energy
- D. Light energy changes to sound energy

Q24 Work, Energy & Power

A machine lifts a 1500 N load using an effort of 250 N. Due to friction, the effort required later becomes 375 N while lifting the same load. Which statement is correct?

- A. Load and effort both increased by 50%
- B. Effort decreased by 50%
- C. Effort increased by 50% while load remained unchanged ✓
- D. Load increased by 50%

Q25 Work, Energy & Power

A device uses 1 kilowatt (kW) of power for 1 hour. How much energy does it consume?

- A. 1 watt hour (Wh)
- B. 1 joule (J)
- C. 1 kilowatt (kW)
- D. 1 kilowatt hour (kWh) ✓

Mathematics

25 Questions • Answer Key

Q26 Annual Compounding

What will be the compound interest on a sum of ₹10,124 after 2 years at the rate of 25% per annum, interest being compounded annually?

- A. ₹5,894.75
- B. ₹5,994.75
- C. ₹5,794.75
- D. ₹5,694.75 ✓

Q27 Annual Compounding

At what rate per cent per annum will a sum of money multiply itself by 20 times in 2 years, interest being compounded annually? (Give your answer correct to one decimal place)

- A. 345.6
- B. 347.2 ✓
- C. 340.3
- D. 353.1



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Q28 Arithmetic

Nirmal's monthly salary is ₹15,000. He spends ₹6,000 on house rent and ₹1,500 on utility bills and saves the remaining amount each month. If, during his birthday month, he spends his entire monthly savings on his birthday celebration, find his total savings (in ₹) for the year.

A. 67,500

B. 82,500



C. 90,000

D. 75,000

Q29 Average Speed

A car runs the first one-third of a distance at a speed of 42 km/hr, the next half of the distance at a speed of 60 km/hr and the remaining distance at a speed of 72 km/hr. Find the approximate average speed (in km/hr) of the car for the whole journey.

A. 53.8



B. 48.6

C. 56

D. 58

Q30 Dividing Quantity in Ratio

If $(a + b):(b + c):(c + a) = 4:6:10$ and $a + b + c = 40$, what is the value of a ?

A. 22

B. 8

C. 16



D. 18

Q31 Equivalent Discount

A shop marks an article with ₹1,375. The shop runs a scheme: on buying two identical articles, a customer gets 20% off on the first and 40% off on the second. If a customer buys two, what is the effective percentage discount on the total bill?

A. 24%

B. 27%

C. 30%



D. 25%

Q32 Find SI

Two banks, A and B, offered loans at 3.5% and 8.5% per annum, respectively. Atul borrowed an amount of ₹4,80,000 from each bank. Find the positive difference between the amounts (in ₹) of simple interest paid to the two banks by Atul after 2 years.

A. 47,500

B. 49,500

C. 48,000



D. 49,000

Q33 Finding Present Age

If 2 times the mother's age is 28 years more than 7 times her daughter's age, and 5 times the daughter's age is 5 year less than the mother's age, then what is the difference (in years) between the ages of the mother and the daughter?

A. 29



B. 34

C. 25

D. 33

Q34 Finding Value from Percentage

Priya spends 27% of her income on house rent, 22% on groceries, and 18% on education. If she saves ₹12,400 per month, what is her monthly income (rounded off to the nearest integer)?

A. ₹37,356

B. ₹37,446

C. ₹37,216

D. ₹37,576



Q35 Grouped Data Median

A manufacturing plant employs 3,000 workers with varying hourly wages. The distribution of their wages is given below.

Wage Range (₹ per hour)	Number of Workers
Less than 3.00	150
3.01 – 4.50	580
4.51 – 6.00	900
6.01 – 7.50	500
7.51 – 9.00	600
More than 9.00	270
Total	3,000

Using the data above, determine the median hourly wage of the employees (Round off your answer to two decimal places.)

A. ₹4.74

B. ₹6.23

C. ₹5.79

D. ₹5.98

Q36 Melting & Recasting

A hemispherical bowl of internal radius 15 cm is full of liquid. This liquid is to be filled into cylindrical bottles of diameter 5 cm and height 6 cm. How many bottles are required to empty the bowl completely?

A. 55

B. 58

C. 60

D. 64

Q37 Profit/Loss Percentage

A vendor purchases lemons at the rate of 27 lemons for ₹1. At what rate (number of lemons per ₹1) should he sell them in order to gain 80%?

A. 16

B. 15

C. 17

D. 19

Q38 Proportion

Find the fourth proportional to 6, 9, and 15.

A. 18.5

B. 25.5

C. 21.5

D. 22.5

Q39 Two Trains Crossing

Two trains of equal length cross a pole in 12 seconds and 18 seconds, respectively. If they move in the same direction, find the time taken by the faster train to come from behind and completely cross the other train.

A. 60 seconds

B. 72 seconds

C. 66 seconds

D. 75 seconds

Q40 Weighted Average

A class has boys and girls in the ratio 3:2. In a test, the average marks of the boys are 70 and those of the girls are 80. Find the average marks of the whole class.

A. 72

B. 74

C. 75

D. 76



Q41 Bracket Simplification

Simplify: $2 \div \frac{4}{5} \times (5 + 8 \times 2 - 4) + \left[\frac{1}{5} \div \frac{7}{25} - \left\{ \frac{3}{7} + \frac{16}{28} \right\} \right]$

A. $\frac{589}{14}$

B. $\frac{59}{14}$

C. $\frac{591}{14}$ ✓

D. $\frac{59}{28}$

Q42 Heron's Formula

Find the area of a triangle whose sides are 12 cm, 10 cm and 14 cm.

A. $28\sqrt{2} \text{ cm}^2$

B. 24 cm^2

C. 28 cm^2

D. $24\sqrt{6} \text{ cm}^2$ ✓

Q43 Mean of Grouped Data

What is the value of $(2x + 7y)$, if mean of the following distribution is 53?

Class	0-20	20-40	40-60	60-80	80-100	Total
Frequency	7	11	x	8	y	60

A. 133 ✓

B. 127

C. 137

D. 151

Q44 Order of Operations

Simplify the expression: $12 - 3 \times 2 + \frac{8}{2}$.

A. 14

B. 8

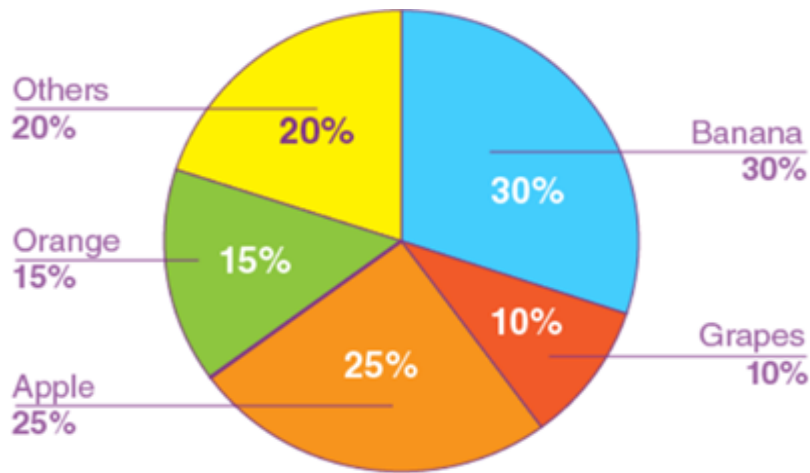
C. 10 ✓

D. 12



Q45 Percentage Based

In a party, fruit chat is made with a total 150 kg of fruits. The distribution of different type of fruits is shown in the given graph.



The amount of Banana used in the fruit chat is what percentage more than the amount of Apple used?

- A. 25%
- B. 22%
- C. 20%
- D. 30%

**Q46** Pythagorean Identities

If $A = \frac{\cos\theta + 1 + \sin\theta}{2\sin\theta}$, then value of $\frac{\cos\theta}{\sin\theta + 1 - \cos\theta}$ is:

- A. $1 - A^2$
- B. $A - 1$
- C. $1 + \frac{1}{A}$
- D. $1 + A$

**Q47** Simultaneous Fill & Empty

Two pipes A and B can fill a tank in 20 hours and 30 hours, respectively, while pipe C can empty the tank in 60 hours. All three taps are opened at the beginning. 10 hours before the tank is filled, pipe C is closed. How much total time (in hours) will it take to fill the tank?

- A. $10\frac{1}{2}$
- B. $12\frac{1}{4}$
- C. $12\frac{1}{2}$
- D. $10\frac{1}{4}$



Q48 Standard Angle Values

If $A = 7.5^\circ$, what is the value of $\frac{32\sqrt{3}\sin 8A + 28\sec 8A}{13\sqrt{3}\operatorname{cosec} 6A}$?

A. $\frac{2\sqrt{6}}{3}$

B. $\frac{3\sqrt{6}}{5}$

C. $\frac{5\sqrt{6}}{3}$

D. $\frac{4\sqrt{6}}{3}$ ✓

Q49 Surds

Simplify: $\sqrt{9 + 4\sqrt{5}}$

A. $2 + \sqrt{5}$ ✓

B. $5 + \sqrt{2}$

C. $1 + 2\sqrt{5}$

D. $3 + \sqrt{5}$

Q50 Triangle Area & Perimeter

The midpoints of a triangle with sides 16 cm, 24 cm, and 32 cm are joined to form another triangle. Find the area (in cm^2) of the triangle formed by these midpoints.

A. $12\sqrt{5}$

B. $9\sqrt{7}$

C. $10\sqrt{11}$

D. $12\sqrt{15}$ ✓

General Intelligence & Reasoning

30 Questions • Answer Key

Q51 Alpha-Numeric Series

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

(Left) Q G M A R T U N Z E D O H S V (Right)

How many such consonants are there, each of which is immediately preceded by a vowel?

A. Two

B. Four ✓

C. None

D. One

Q52 Alpha-Numeric Series

Refer to the following series of digits and answer the question

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

(Right)

How many such even digits are there each of which is immediately preceded by a perfect square and immediately followed by an odd digit? (NOTE: 1 is also a perfect square) (Counting to be done from left to right only)

A. More than three

B. Three ✓

C. One

D. Two



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Q53 Analogy

UF 21 is related to VC 14 in a certain way. In the same way, VN 18 is related to WK 11. To which of the following is LJ 16 related, following the same logic?

- A. LF 9
- B. MF 11
- C. LG 11
- D. MG 9

**Q54 Analogy**

UK 12 is related to YO 16 in a certain way. In the same way, LS 22 is related to PW 26. To which of the following is MC 32 related, following the same logic?

- A. VL 16
- B. OD 26
- C. PF 36
- D. QG 36

**Q55 Facing Center**

A, B, C, D, E, F, and G are sitting around a circular table, facing the centre of the table. Only three people sit between E and G, when counted from the left of E. A sits to the immediate left of E. D sits to the immediate right of G. C sits to the immediate left of B. Who sits third to the left of F?

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

**Q56 Facing Center**

Seven friends, B, C, D, T, U, V and W, are sitting around a circular table facing the center of the table. T sits fourth to the right of C. Only two people sit between U and D, when counted from the left of U. B sits third to the left of V. W is an immediate neighbor of V and D. How many people sit between T and W, when counted from the left of W?

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

**Q57 Floor/Building Arrangement**

Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. Only two boxes are kept between D and G. Only C is kept above F. No box is kept below G. B is kept at some place below E but at some place above A. How many boxes are kept above B?

- A. 4
- B. 3
- C. 5
- D. 2

**Q58 Group Pattern**

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

- A. RES
- B. ZXE
- C. WQQ
- D. QEW

**Q59 Letters Between Two Positions**

This question is based on the given words.

GUT FUN PAN OWL

How many letters are there in the English alphabetical order between the second letter of the first word from the right and the second letter of the first word from the left?

- A. 2
- B. 1
- C. 0
- D. 4

**Q60 Missing Number**

What should come in place of ? in the given series?
415 454 506 571 649 ?

- A. 786
- B. 765
- C. 740
- D. 743



Q61 Operation Based

Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, certain mathematical operations on the second number result in the third number, and so on. Which of the given options follows the same set of operations as in question?

(NOTE – A two/three-digit number cannot be broken into individual digits for operations e.g. if 37 is followed by 10, the operation cannot be 3+7 as a two-digit number cannot be broken into individual digits.)

120 - 240 - 480;
180 - 360 - 720

A. 220 - 440 - 640

B. 175 - 350 - 600

C. 240 - 480 - 840

D. 125 - 250 - 500

**Q62 Operation Based**

72 is related to 430 following a certain logic. Following the same logic, 55 is related to 328. To which of the given options is 63 related, following the same logic?

(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 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.)

A. 363

B. 376



C. 328

D. 349

Q63 Operation Based Coding

If 1 is subtracted from each odd digit and 1 is added to each even digit in the number 334687935925, what will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

A. 3

B. 4

C. 5



D. 6

Q64 Pattern Based

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

JOIN - OJNI - JINO

VERB - EVBR - VRBE

A. FLAG - LFAG - AFLG

B. ZONE - NEZO - OZNE

C. GOLD - DGOL - DLOG

D. CITY - ICRY - CTYI

**Q65 Position Pattern**

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. YD - RJ

B. ZF - SK



C. LQ - EW

D. OT - HZ

Q66 Position Pattern

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

A. HJL

B. RTW



C. NPR

D. BDF

Q67 Position from Left/Right

Manoj ranked 34th from the top and 15th from the bottom in his class. How many students are there in his class?

A. 48



B. 47

C. 49

D. 46



Q68 Position from Left/Right

In a row of 131 students facing north, Mr. Lkj is 79th from the left end. If Mr. Ihg is 9th to the right of Mr. Lkj, what is Mr. Ihg's position from the right end of the line?

A. 44th



B. 45th

C. 42nd

D. 43rd

Q69 Rearrangement of Letters

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

A. One

B. Three

C. Two

D. Zero

**Q70 Rearrangement of Letters**

In the word "CONTACT", replace each letter with the previous letter in the English alphabetical order. Arrange the resulting letters alphabetically. Which letter will be at the third position from the left in the new arrangement?

A. S

B. M



C. N

D. Z

Q71 Shifting Pattern (+1, +2, etc.)

This question is based on the following words: ROW, FIN, SAD, MUD.

In each word, every vowel is replaced by the next letter in the English alphabetical order, and every consonant is replaced by the preceding letter.

How many of the resulting letter clusters contain no vowels?

A. Four

B. One

C. Three



D. Two

Q72 Shortest Distance

Mr. Tosi starts from Point A and drives 17 km towards the East. He then takes a left turn, drives 19 km, turns left and drives 27 km. He then takes a left turn and drives 20 km. He takes a final left turn, drives 10 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 3 km to the South

B. 7 km to the North

C. 5 km to the West

D. 1 km to the North

**Q73 Symbol Based**

In a certain code language,

A + B means 'A is the son of B',

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

A @ B means 'A is the wife of B' and

A % B means 'A is the father of B'.

Based on the above, how is S related to N if 'S - A + E % R @ N'?

A. Wife's father

B. Wife's brother



C. Father

D. Brother

Q74 Symbol Based

In a certain code language,

A ! B means 'A is the wife of B'

A + B means 'A is the son of B'

A ÷ B means 'A is the father of B'

A = B means 'A is the sister of B'

Based on the above, how is R related to T if 'R = I + G ÷ H ! T'?

A. Wife's father

B. Wife's mother

C. Wife's sister



D. Wife's brother



Q75 Symbol Included Pattern

Refer to the given letter and symbol series and answer the question that follows.

(Left) G K } A ? L > & E \$ E ¥ I ÷ I ! J @ U + ¥ E % S = T %
(Right)

If all the vowels are dropped from the series, then which of the following will be fifth from the left?

A. J

B. ?

C. @

D. L

**Q76 Symbol Substitution**

If 'M' stands for '×' and 'N' stands for '−', what will come in place of the question mark (?) in the following equation?

12 M 5 N 8 = ?

A. 54

B. 52



C. 56

D. 50

Q77 Symbol Substitution

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

14 C 30 A 3 D 3 B 5 = ?

A. 9



B. 6

C. 8

D. 7

Q78 Two Statement Sufficiency

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Among five trees, N, O, R, S and T each having a different height, which tree is the shortest?

(I) O is shorter than S and T is shorter than O. S is taller than only two trees.

(II) N is taller than R.

A. Both statements I and II together (and not statement 1 alone or statement II alone) are sufficient to answer the question.

B. Data in Statement II alone is sufficient to answer the question while data in statement I is not

C. Data in Statement I alone is sufficient to answer the question while data in statement II is not



D. Both statements I and II together are NOT sufficient to answer the question

Q79 Two Statement Syllogism

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

Statements:

All bins are cans. All plastics are cans.

Conclusions:

(I) Some bins are plastics.

(II) Some cans are plastics.

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

B. Only conclusion (I) follows.

C. Only conclusion (II) follows.



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

Q80 Word to Code Mapping

In a certain code language, 'leave the room' is coded as 'lw rt bu' and 'please leave now' is coded as 'bu px cp'. How is 'leave' coded in the given language? (All codes are two-letter codes)

A. lw

B. bu



C. px

D. rt



Q81 Biodiversity Updates

In April 2026, the Ministry of Environment, Forest and Climate Change launched a five-year biodiversity governance project aimed at "greening" Gram Panchayat Development Plans (GPDPs). This initiative is most directly associated with which SDG?

- A. SDG 15 – Life on Land** ✓
- B. SDG 7 – Affordable and Clean Energy
- C. SDG 2 – Zero Hunger
- D. SDG 8 – Decent Work and Economic Growth

Q82 Budget Process & Calendar

Who tabled the Economic Survey 2025-26 in the Parliament on 29th January 2026?

- A. Amit Shah
- B. Nirmala Sitharaman** ✓
- C. V. Anantha Nageswaran
- D. Narendra Modi

Q83 Civilian Awards

Which noted playback singer received the Padma Bhushan in 2026?

- A. Alka Yagnik for distinguished service in the field of art** ✓
- B. Sunidhi Chauhan for contributions to independent cinema songs
- C. Shreya Ghoshal for contributions to classical fusion music
- D. Kavita Krishnamurthy for contributions to patriotic compositions

Q84 Defense & Technology

Which vessel had been commissioned in Goa in January 2026 by the Defence Minister as the first indigenously designed and built pollution control vessel of the Indian Coast Guard?

- A. Samudra Rakshak
- B. Vikram Suraksha
- C. Samudra Shakti
- D. Samudra Pratap** ✓

Q85 Digital India Updates

During the May 2026 nationwide disaster drills, India's National Disaster Management Authority (NDMA) tested a new system that pushes unmissable, region-specific alerts directly to mobile devices without relying on traditional SMS or internet connectivity. What technology framework enables this simultaneous, area-wide transmission?

- A. Short Message Peer Protocol
- B. Optical Fiber Multi-casting
- C. Cell Broadcast System** ✓
- D. Satellite Direct Frequency

Q86 Election Commission

In 2025, which new identity document has the Supreme Court directed the Election Commission of India (ECI) to accept for inclusion in Bihar's revised voters' list?

- A. Ration Card
- B. Driving License
- C. Passport
- D. Aadhaar Card** ✓

Q87 Employment Schemes

Which major change in India's rural employment framework was introduced through the VB-G RAM G Act, 2025, replacing the earlier MGNREGA system?

- A. Expansion of MGNREGA work guarantee from 100 to 150 days annually
- B. Transfer of rural employment administration to Gram Panchayats alone
- C. Replacement of MGNREGA with the VB-G RAM G rural employment framework** ✓
- D. Merger of rural employment schemes with urban livelihood missions

Q88 Employment Schemes

The G-RAM G Scheme 2025 guarantees how many days of wage employment per rural household annually?

- A. 150 days of wage employment
- B. 125 days of wage employment** ✓
- C. 100 days of wage employment
- D. 120 days of wage employment



Q89 Famous Works & Authors

"Vigil", published in January 2026, is the novel written by which Booker Prize-winning author best known for "Lincoln in the Bardo"?

- A. Kazuo Ishiguro
- B. George Saunders ✓
- C. Douglas Stuart
- D. Colson Whitehead

Q90 Health & Environment Days

What had been declared as the official theme of the United Nations (UN) World Wildlife Day observed globally on 3 March 2026?

- A. Wildlife Conservation Finance: Investing in People and Planet
- B. Medicinal and Aromatic Plants: Conserving Health, Heritage and Livelihoods ✓
- C. Biodiversity and Climate Change: Global Action
- D. Forests and Livelihoods: Sustaining People and Planet

Q91 Individual Records

Which of the following athletes became the first to set the ultimate national record in the men's 100m sprint at the Federation Cup in May 2026 by running 10.15 seconds to mark below the entry standard set for the Commonwealth Games by the Athletics Federation of India?

- A. Gurindervir Singh
- B. Amlan Borgohain
- C. Manikanta Hoblidhar
- D. Animesh Kujur ✓

Q92 Individual Records

At the New Balance Indoor Grand Prix, the first World Athletics Indoor Tour Gold meeting of the 2026 season, held in Boston, which athlete broke the long-standing men's indoor 2,000 metres world record previously held by Kenenisa Bekele?

- A. Hobbs Kessler ✓
- B. Davis Bove
- C. Cole Hocker
- D. Grant Fisher

Q93 Missile Tests & Systems

During the 77th Republic Day Parade at Kartavya Path in 2026, which of the following Defence Research & Development Organisation (DRDO) systems was showcased?

- A. Short Range Anti-Tank Missile
- B. Air Independent Propulsion system for Submarines
- C. Long Range Anti-Ship Hypersonic Missile ✓
- D. Inter-continental ballistic missile

Q94 Modern Indian Authors

Who among the following is the author of the non-fiction book, "India and Her Futures", launched in March 2026 by Rajya Sabha MP Kamal Haasan?

- A. Ram Nath Kovind
- B. Rahul Gandhi
- C. Gopalkrishna Gandhi ✓
- D. Narendra Modi

Q95 National Current Affairs

In May 2026, the study report titled "Contribution of Jain Community in the Field of Education" was released by which Government of India organization?

- A. National Human Rights Commission
- B. University Grants Commission
- C. National Commission for Scheduled Castes
- D. National Commission for Minorities ✓

Q96 New Schemes & Programs

In February 2026, a significant national policy on renewable energy was launched. Which organization was chiefly responsible for drafting and releasing the framework for the National Hydrogen Mission?

- A. Ministry of Skill Development and Entrepreneurship
- B. Department of Biotechnology
- C. Ministry of New and Renewable Energy ✓
- D. Ministry of Home Affairs



Q97 Olympics, CWG, Asian Games

Which country had topped the final medal tally at the 2026 Winter Olympics in Milano Cortina by setting a new record for both gold medals and total medals at a single Winter Games?

- A. Norway ✓
- B. Canada
- C. Germany
- D. The United States of America

Q98 Recent Tournaments

Which state topped the medals tally in the inaugural edition of Khelo India Tribal Games (KITG) concluded in April 2026?

- A. Uttar Pradesh
- B. Himachal Pradesh
- C. Karnataka ✓
- D. Haryana

Q99 Right to Freedom (Art 19-22)

According to the Supreme Court of India's 2026 judgment on stray dog management, which of the following should be prioritized in cases of conflict between animal welfare and public safety?

- A. Protection of public safety and the Right to Life guaranteed under Article 21 ✓
- B. Unrestricted re-release of stray animals into all public and institutional spaces
- C. Complete withdrawal of municipal authorities from stray animal management responsibilities
- D. Expansion of commercial animal shelters through private-sector urban development projects

Q100 Science & Technology Current Affairs

Which institution had conducted the palaeoecological research using pollens from wetlands of the Kaziranga National Park to trace the evolution of the habitat of the one-horned rhinoceros in February 2026?

- A. Wadia Institute of Himalayan Geology
- B. Birbal Sahni Institute of Palaeosciences ✓
- C. Zoological Survey of India
- D. Indian Institute of Tropical Meteorology



General Science

25 Questions • Answer Key

Q1 Atoms & Molecules

The formula unit mass of ammonium sulphate, $(\text{NH}_4)_2\text{SO}_4$, is:

- A. 114 u
- B. 118 u
- C. 132 u
- D. 136 u



Q2 Atoms & Molecules

What is formed when a non-metal gains electrons?

- A. Anion
- B. Neutral
- C. Cation
- D. Proton



Q3 Basic Organic Chemistry

Carbon forms millions of stable compounds, unlike most other elements. Which combination of properties best explains this behavior?

- A. High chemical reactivity and tetravalency together
- B. Strong covalent bonding and tetravalency together
- C. Presence of isotopes and nuclear stability
- D. Low atomic mass and small atomic size



Q4 Circulatory System (Heart, Blood)

After a severe injury, a patient's blood pressure decreases and they start to develop extensive bruising. Which dual failure in physiological systems best explains these clinical observations?

- A. Enhanced lymph flow and increased platelet aggregation
- B. Reduced plasma protein synthesis and increased red blood cell count
- C. Reduced platelet function and impaired lymphatic drainage
- D. Decreased oxygen transport and increased tissue fluid



Q5 Current Electricity (Ohm's Law, Circuits)

If a copper wire and an iron wire of the same length and area are compared, which is the one with higher resistance?

- A. Iron wire
- B. Cannot be determined
- C. Both equal
- D. Copper wire



Q6 Current Electricity (Ohm's Law, Circuits)

In terms of potential, why does water not flow in a perfectly horizontal tube?

- A. Because the tube is made of plastic
- B. Because there is no tank connected
- C. Because gravity does not act on horizontal water
- D. Because there is no pressure difference between the two ends



Q7 Echo, Resonance, Doppler Effect

A group of engineers is tasked with designing a lecture hall for maximum speech intelligibility. Which combination of features should they prioritize to minimize reverberation?

- A. Polished stone floors and glass walls
- B. High ceilings with reflective panels
- C. Soft wall coverings, acoustic ceiling tiles, and upholstered seating
- D. Upholstered seating with bare walls and floors



Q8 Electromagnetic Spectrum

A scientist is investigating why certain EM waves from the Sun do not reach the Earth's surface. Which property of gamma rays primarily explains their absence at ground level?

- A. They are absorbed by upper atmosphere
- B. They have long wavelength
- C. They are scattered by clouds
- D. They are reflected by Earth's surface



Q9 Excretory System (Kidney)

Which organ directly filters nitrogenous waste from human blood?

- A. Heart
- B. Lungs
- C. Liver
- D. Kidneys

**Q10 Hydrocarbons (Methane, Ethane, etc.)**

What is the general formula for alkanes with 'n' carbon atoms?

- A. C_nH_{2n+2}
- B. C_nH_{2n}
- C. C_nH_{2n-2}
- D. C_nH_{2n+1}

**Q11 Important Gases & Uses**

In which combined form is oxygen found in the air besides free O_2 ?

- A. Carbon dioxide
- B. Methane
- C. Nitrogen gas
- D. Argon

**Q12 Mechanics**

During an experiment, a student gradually lowers the angle of an ideal ramp while pulling a toy cart to the same height. What observation should the student expect?

- A. The force required decreases.
- B. The force required remains constant.
- C. The force required increases.
- D. The cart gains less potential energy.

**Q13 Mechanics**

If the velocity-time graph of a moving object shows a straight line parallel to the time axis, what can be concluded about the object's acceleration?

- A. The object has zero acceleration
- B. The object has changing acceleration
- C. The object has negative acceleration
- D. The object has uniform acceleration

**Q14 Mixtures, Solutions, Colloids**

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

- A. It is a true solution
- B. Its components cannot be separated
- C. It only burns with a blue flame
- D. Its particles can be seen with the naked eye

**Q15 Nervous System & Brain**

Which type of nerves arise from the brain in humans?

- A. Cranial nerves
- B. Autonomic nerves
- C. Spinal nerves
- D. Motor nerves

**Q16 Newton's Laws of Motion**

If a car and a truck are pushed with the same force, which will accelerate more according to the second law of motion?

- A. The truck will accelerate more
- B. Both will accelerate equally
- C. The car will accelerate more
- D. Neither will accelerate

**Q17 Photosynthesis**

A desert plant absorbs carbon dioxide at night and uses it during the day for photosynthesis. Which property of photosynthesis does this illustrate?

- A. Water is unnecessary for photosynthesis in desert plants
- B. Carbon dioxide is not required for photosynthesis in desert plants
- C. Photosynthesis can involve intermediate compounds stored for later use
- D. Photosynthesis occurs only at night in desert plants

**Q18 Physical & Chemical Properties**

Which equation correctly represents the reaction between calcium and cold water?

- A. $Ca + H_2O \rightarrow CaH_2 + O_2$
- B. $Ca + H_2O \rightarrow CaOH_2 + H_2$
- C. $Ca + 2H_2O \rightarrow Ca(OH)_2 + H_2$
- D. $2Ca + H_2O \rightarrow 2CaOH + H_2$



Q19 Reflection & Refraction

Why does the emergent beam from a prism show distinct colors instead of a single white band?

A. Each color bends by a different amount ✓

B. Some colors are absorbed

C. All colors bend equally

D. All colors emerge parallel

Q20 Reproduction in Plants

Farmers use cutting, grafting, and tissue culture to grow many plants with the same useful traits. These methods are preferred as:

A. They depend on pollinating insects.

B. They produce genetically identical plants. ✓

C. They always create new varieties.

D. They stop flowering in plants.

Q21 Skeletal & Muscular System

Which of the following is **NOT** a part of the musculoskeletal system?

A. Bones

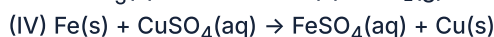
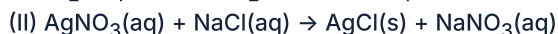
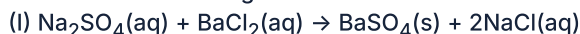
B. Nephrons ✓

C. Tendons

D. Muscles

Q22 Types (Combination, Decomposition, etc.)

Consider the following reactions:



Which of the above reactions are precipitation reactions?

A. Only III and IV

B. Only I and II ✓

C. Only I and III

D. Only II and IV

Q23 Wave Properties (Frequency, Wavelength)

A wave has a frequency of 200 Hz and a wavelength of 1.7 m. What does their product represent?

A. The loudness of the wave

B. The amplitude of the wave

C. The speed of the wave ✓

D. The period of the wave

Q24 Work, Energy & Power

A ball rolls down a hill with no friction and reaches the bottom. Which statement best describes how the energy changes as the ball moves?

A. The ball's potential energy decreases while its kinetic energy increases ✓

B. The ball's kinetic energy decreases as it moves downward

C. The total energy of the ball increases as it rolls

D. Both potential and kinetic energy increase as the ball moves

Q25 pH Scale & Indicators

Which pH range is best for most plants to grow in garden soil?

A. Between pH 3 and pH 4

B. Between pH 4 and pH 5

C. Between pH 6 and pH 7.5 ✓

D. Between pH 8.5 and pH 9.5



Q26 $(a+b)^2, (a-b)^2$ Simplify: $(3a + 2b)^2 + (3a - 2b)^2 - 2(9a^2 + 4b^2)$

A. 2

B. 0

C. -1

D. 1

Q27 Basic TSD

Kaushal travelled for 14 hours 10 minutes at the speed of 60 km/h. At what speed (in km/h) should he travel to cover the same distance in 17 hours?

A. 50

B. 51

C. 53

D. 52

Q28 Building/Tower Problems

The angle of elevation of the top of a hill at the foot of a tower is 60° and the angle of depression from the top of the tower to the foot of the hill is 30° . If the tower is 96 m high, find the difference between the height of the hill and the height of the tower.

A. 172 m

B. 163 m

C. 192 m

D. 188 m

Q29 CI-SI Difference

The difference between the compound interest and simple interest on a certain sum at 8% per annum for $1\frac{1}{2}$ years, compounded half-yearly, is ₹36. What is the principal amount? (Rounded off to the nearest integer.)

A. ₹7,401

B. ₹7,404

C. ₹7,411

D. ₹7,201

Q30 Cost with Overhead Expenses

Arvind bought an article for ₹x. He sold it to Biru at a loss of 27%. Biru spent ₹163 on its transportation and sold it to Minu at a profit of 60%. If Minu bought it for ₹1,896, then what is the value of x?

A. 1,382

B. 1,400

C. 1,388

D. 1,386

Q31 Dividing Quantity in Ratio

Ravi, Sohan, Raghu and Ani distributed a sum of money amongst themselves in the ratio of 7 : 4 : 6 : 3. If Raghu's share is ₹1,800 more than Ani's share, then what is Sohan's share?

A. ₹2,300

B. ₹2,400

C. ₹2,200

D. ₹2,500

Q32 Find SI

Find the simple interest (in ₹) on ₹1,500 at an interest rate of 3% per month in 1 month.

A. 7.50

B. 3.75

C. 45

D. 23.75

Q33 Finding HCF

Find the greatest number that divides 85, 153, and 221 leaving the same remainder in each case.

A. 68

B. 38

C. 60

D. 34



Q34 Finding Value from Percentage

The population of a district is 3,35,000, out of which 2,14,000 are males. 31% of the population is literate. If 31% males are literate, then what percentage of females are literate?

- A. 33%
- B. 28%
- C. 30%
- D. 31%

**Q35 Grouped Data Median**

Which of the following best describes the median in the given set of data values?

Profit (₹)	Number of Shops
1,000-2,000	12
2,000-3,000	18
3,000-4,000	20
4,000-5,000	15
5,000-6,000	5

- A. ₹3,200
- B. ₹3,150
- C. ₹3,300
- D. ₹3,250

**Q36 HCF/LCM Word Problems**

What is the minimum number of identical square tiles required to completely floor a room measuring 4m x 3.2 m?

- A. 9
- B. 40
- C. 18
- D. 20

**Q37 Half-Yearly Compounding**

A sum of ₹60,000 is invested for 1 year at 4% per annum, compounded half yearly. What is the compound interest earned at the end of the year?

- A. ₹3,244
- B. ₹2,424
- C. ₹3,102
- D. ₹2,999

**Q38 Laws of Indices**

Given that $24^{0.64} = x$, $24^{0.05} = y$ and $x^z = y^3$, then the value of z is close to:

- A. 1.75
- B. 1.89
- C. 0.91
- D. 0.23

**Q39 Multiple Pipes**

Pipe A can fill a tank in 6 hours, pipe B can fill the same tank in 21 hours and pipe C can fill the same tank in 28 hours. The time taken (in hours) by them to fill one-fourth of the same tank if they operate together is:

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

**Q40 Parallelogram & Rhombus**

Consider an equilateral quadrilateral whose angle bisectors intersect at right angles. One side of the quadrilateral measures 10 cm, and one of its perpendicular diagonals is 12 cm. Find half of the area of the quadrilateral.

- A. 48 cm²
- B. 96 cm²
- C. 52 cm²
- D. 50 cm²

**Q41 Still Water Speed**

A boatman can travel 22 km downstream and 15 km upstream in 3 hours and 20 minutes. He can also travel 14 km downstream and 12 km upstream in 2 hours and 24 minutes. What is the speed of the boat in still water? (Round off your answer to two decimal places.)

- A. 11.15 km/h
- B. 13.50 km/h
- C. 13.15 km/h
- D. 11.75 km/h



Q42 Successive Discount

A wholesaler marked school uniforms at ₹1,200 each. He offered a 25% trade discount to a retailer. The retailer also received a scheme discount of 1 uniform free for every 5 purchased. Additionally, if the payment was made within 10 days, a cash discount of 8% on the billed amount (after trade discount) was offered. If the retailer received 72 uniforms in total and made the payment within 10 days, find the effective price per uniform in rupees.

A. ₹668

B. ₹700

C. ₹672

D. ₹690

**Q43 Two Items Mixing**

10 kg of rice at ₹22.50 per kg is mixed with 10 kg of rice at ₹37.50 per kg. What is the price per kg (in ₹) of the mixture?

A. 30



B. 22

C. 28

D. 25

Q44 Two Persons Age Relation

The ratio of the present ages of A and B is 5 : 7. Ten years later, the ratio becomes 7 : 9. What is A's present age?

A. 35 years

B. 30 years

C. 25 years



D. 40 years

Q45 Two Successive Changes

A number is increased by 25% and then decreased by 10%. By what percent does the number increase?

A. 12.5%



B. 13.9%

C. 15.6%

D. 10.4%

Q46 Algebra

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

A. $2 + \sqrt{3}$

B. $3\sqrt{3}$

C. $\sqrt{3}$



D. $1 - \sqrt{3}$

Q47 Chord Properties

In a circle, a diameter AB and a chord PQ (which is not a diameter) intersect perpendicularly at a point X. If $AX : XB = 3 : 2$ and the radius of the circle is 5 cm, then what is the length (in cm) of the chord PQ?

A. $2\sqrt{6}$

B. $4\sqrt{6}$



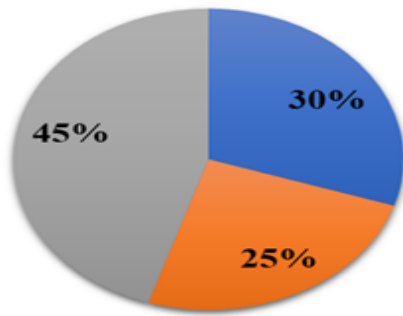
C. $3\sqrt{6}$

D. $5\sqrt{6}$

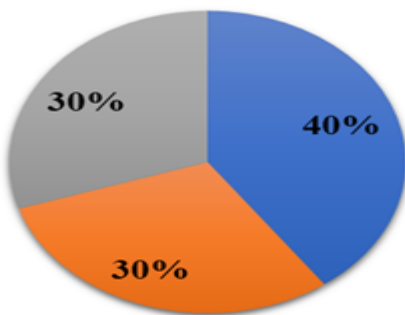


Q48 Double Pie Chart

The given pie charts show the distribution of students in different streams in two schools, A and B. If school A has 1000 students and school B has 1200 students, what is the difference in the number of students in the science stream between the two schools?

SCHOOL A

■ Science ■ Commerce ■ Arts

SCHOOL B

■ Science ■ Commerce ■ Arts

A. 150

B. 100

C. 200

D. 180

**Q49 Mean of Grouped Data**

Study the table and answer the question that follows.

The following table shows the class interval and frequency of a certain distribution.

Class	0-20	20-40	40-60	60-80	80-100
Frequency	17	28	32	A	19

If the mean of the distribution is 50, then the value of A is:

A. 20

B. 24

C. 29

D. 30



Q50 Total Surface Area

A closed metallic cylindrical box is 1.44 m high and its base radius is 56 cm. If the sheet metal costs ₹90 per m², then what is the cost of the material used in the box?

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

A. ₹483.4

B. ₹633.6

C. ₹738.4

D. ₹855.5

**General Intelligence & Reasoning**

30 Questions • Answer Key

Q51 Day of Week Assignment

Each of A, B, C, D, E, F, and G has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. B has an exam on Wednesday. Only one person has an exam between B and D. C has exam on the day immediately before D. Only two people have exams between C and F. E's exam is on one of the days before G but on one of the days after A. G does not have any exam on Sunday. Who has an exam on Monday?

A. G

B. F

C. A

D. C

**Q52 Day of Week Assignment**

Each of Laxmi, Mani, Ravi, Shivani, Navi, Anita and Pallavi has exam on a different day of a week starting from Monday and ending on Sunday of the same week. Only three people have exams between Ravi and Shivani. Only two people have exams between Laxmi and Mani. Pallavi has exam immediately before Laxmi. Shivani has exam before only two people. Neither Mani nor Laxmi has exam on the last day of the week. Navi does not have exam on any of the days before Anita. Three of the following four options are alike in a certain way based on the given arrangement and thus form a group. Which is the one that does NOT belong to that group?

A. Laxmi and Shivani

B. Pallavi and Anita

C. Ravi and Laxmi

D. Anita and Ravi

**Q53 Facing Center**

B, D, E, P, S, T and W are sitting around a circular table, facing the centre of the table.

S sits third to the left of D. B sits second to the left of T. D is an immediate neighbor of both E and B. W is not an immediate neighbor of S.

How many people sit between P and B when counted from the right of P?

A. Three

B. One

C. Two

D. Four

**Q54 Facing Center**

W, X, Y, Z, M, and N are sitting around a circular table facing the center. Z sits to the immediate right of X. Only three people sit between N and W when counted from the right of W. Y sits second to the left of Z. M sits to the immediate right of N. Who sits to the immediate right of M?

A. X

B. W

C. N

D. Y

**Q55 Floor/Building Arrangement**

P, Q, R, S, T and U live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on, till the topmost floor, which is numbered 6.

Only two people live between U and Q. Only P lives above R. S lives on an even-numbered floor. U lives on the lowermost floor.

How many people live between T and P?

A. Four

B. One

C. Three

D. Two



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Q56 Group Pattern

What should come in place of ? in the given series based on the English alphabetical order?
BBX ECU HDR KEO ?

A. NHG

B. MKI

C. NFL



D. NMB

Q57 Letter Series

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

(Left) O V U I C G X I A U Y U S L M X U Q T I W I (Right)

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

A. 2

B. 5

C. 3



D. 4

Q58 Letter Series

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

(Left) K I F R I Z O K U F U I I F U K Y X A B (Right)

How many such vowels 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. Zero

Q59 Letter to Number Mapping

In a certain code language, 'RAIL' is coded as '9653' and 'BAIL' is coded as '9316'. What is the code for 'B' in the given code language?

A. 6

B. 1



C. 3

D. 9

Q60 Letters Between Two Positions

Refer to the following letter series and answer the question that follows. Counting to be done from left to right only.
(Left) T S W H M F K Z I N O A B Q S P J M L R C V E W O
(Right)

How many letters are there, as per the English alphabetical order, between the letter that is sixth from the right end and the third from the left end of the given series?

A. 4



B. 3

C. 2

D. 5

Q61 Letters Between Two Positions

This question is based on the given words.

ICE MET JAW GUM

How many letters are there in the English alphabetical order between the first letter of the second word from the right and the second letter of the first word from the left?

A. 7

B. 9

C. 6



D. 5

Q62 Letters in a Given Word

Each vowel in the word AWAKENED 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 group of letters thus formed?

A. J

B. B



C. C

D. M

Q63 Letters in a Given Word

Each vowel in the word PRACTICE 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 group of letters thus formed?

A. H

B. None of the letters appear exactly twice



C. S

D. Q



Q64 Mathematical Operations

If 2 is subtracted from each odd digit and 2 is added to each even digit in the number 272465937257, what will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

A. 7

B. 8



C. 9

D. 6

Q65 Mathematical Operations

Each of the digits in the number 9357146 is arranged in ascending order from left to right. The position of how many digits will remain unchanged as compared to that in the original number?

A. Two

B. None

C. Three

D. One

**Q66 Mathematical Operations**

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

(Left) 813 845 591 372 862 (Right)

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

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

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

A. 7

B. 6



C. 9

D. 5

Q67 Operation Based

Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number result(s) in the second number. Similarly, certain mathematical operation(s) on the second number result(s) in the third number and so on. Which of the given options follows the same set of operations as in the given 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 - 12 - 22 - 44;

7 - 14 - 24 - 48

A. 9-18-28-38

B. 5-10-22-44

C. 11-22-32-64



D. 8-16-26-36

Q68 Operator Swap

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

$90 - 5 + 120 \times 4 \div 18 = ?$

A. 438



B. 434

C. 428

D. 442

Q69 Pattern Based

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: VAK :: OTD : %

A. # = MRB , % = XCM



B. # = NRB , % = XCM

C. # = MRB , % = XMC

D. # = MRB , % = YCM

Q70 Pattern Based

NX 15 is related to OU 6 in a certain way. In the same way, UO 13 is related to VL 4. To which of the following is ON 11 related, following the same logic?

A. OK 2

B. PK 2



C. OL 4

D. PL 4



Q71 Pattern Based

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

SHIP - HISP - SHPI

ROAD - OARD - RODA

A. NOTE - NETO - ETON

B. FILE - ELIF - ILEF

C. PARK - ARPK - PAKR



D. MAKE - AMEK - KEMA

Q72 Position Pattern

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. DFI

B. NPS

C. SUX

D. GIK

**Q73 Position Pattern**

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

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

A. SKC

B. NFX

C. OGY

D. TBU

**Q74 Shortest Distance**

Arvinda starts from point L and drives for 6 km towards south. He then takes a right turn and drives for 11 km, then he takes a right turn and drives for 3 km. He then takes a left turn and drives for 5 km. He finally takes a right turn and drives for 3 km to reach Point Z.

How far (shortest distance) and towards which direction should he drive in order to reach Point L again? (All the turns are 90-degree turns only unless specified.)

A. 16 km towards north

B. 10 km towards south

C. 16 km towards east



D. 11 km towards west

Q75 Square/Cube Based

120 is related to 11 following a certain logic. Following the same logic, 255 is related to 16. To which of the following is 323 related, following the same logic?

(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 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.)

A. 18



B. 19

C. 28

D. 14

Q76 Symbol Based

In a certain code language,
A # B means 'A is the son of B',
A % B means 'A is the brother of B',
A – B means 'A is the wife of B' and
A @ B means 'A is the father of B'.

How is M related to K if 'M – E # W @ P % K'?

A. Brother's daughter

B. Daughter

C. Wife

D. Brother's wife

**Q77 Symbol Based**

In a certain code language,
A + B means 'A is the son of B',
A – B means 'A is the brother of B',
A @ B means 'A is the wife of B' and
A % B means 'A is the father of B'.

Based on the above, how is S related to N if 'S – A + E @ R % N'?

A. Son

B. Father

C. Husband

D. Brother



Q78 Two Statement Sufficiency

A question is followed by two statements numbered I and II. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and select the most appropriate answer.

Question: Among 5 trees, L, M, O, P and Q, each having a different height, which tree is the tallest?

Statements:

- (I) O is taller than L but shorter than M. O is shorter than only one tree.
(II) L is taller than Q.

A. Data in Statement I alone is sufficient to answer the question, while data in statement II is not.



B. Data in Statement II alone is sufficient to answer the question, while data in statement I is not.

C. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.

D. Both statements I and II together are not sufficient to answer the question.

Q79 Two Statement Syllogism

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

Statements:

- All hens are ducks.
All ducks are bananas.

Conclusions:

- (I) Some bananas are ducks.
(II) All hens are bananas.

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



B. Only conclusion (I) follows.

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

D. Only conclusion (II) follows.

Q80 Missing Number

Which of the following options should come in place of the question mark (?) in the given series?

21 23 27 33 41 ?

A. 51



B. 50

C. 53

D. 48

General Awareness

20 Questions • Answer Key

Q81 Constitutional Posts

Who had taken oath as the Chief Minister of West Bengal on May 9, 2026 at the Brigade Parade Ground in Kolkata?

A. Sukanta Majumdar

B. Suvendu Adhikari



C. Dilip Ghosh

D. Mamata Banerjee

Q82 Economic Current Affairs

Which Indian public sector bank announced the opening of its 10,000th branch in November 2025?

A. Canara Bank



B. HDFC Bank

C. Axis Bank

D. Indian Bank



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Q83 Elections in Major Countries

Péter Magyar, who was sworn in as Prime Minister in May 2026 following the electoral victory of the Tisza Party, became the Prime Minister of which European country?

A. Hungary



B. Poland

C. Romania

D. Slovakia

Q84 Government Policies & Schemes

Which of the following flagship government initiatives does the 'Sundays on Cycle' campaign in February 2026 directly support, aiming to foster active community participation and healthy living?

A. Rashtriya Khel Protsahan Puruskar

B. Fit India Movement



C. National Health Mission

D. Khelo India Mission

Q85 India's Foreign Relations

In May 2026, India elevated its bilateral ties with Italy to a unique level previously only held with South Korea. What is this designation?

A. Special and Privileged Strategic Partnership

B. Comprehensive Global Strategic Partnership

C. Special Strategic Partnership



D. Green Technology and Innovation Strategic Partnership

Q86 Individual Records

Who had become the fastest Indian sprinter in 2026 after clocking 10.09 seconds in the men's 100m final at the Federation Cup held in Ranchi, Jharkhand?

A. Amlan Borgohain

B. Gurindervir Singh



C. Manikanta Hoblidhar

D. Animesh Kujur

Q87 Individual Records

Which Ugandan long-distance runner broke the men's half marathon world record at the EDP Lisbon Half Marathon, a World Athletics Platinum Label road race held in Portugal in March 2026?

A. Yomif Kejelcha

B. Sebastian Sawe

C. Jacob Kiplimo



D. Rhonex Kipruto

Q88 Key Announcements

What is the name of the initiative proposed in the Union Budget 2026-27 to strengthen India's ecosystem for the production of biologics and biosimilars?

A. BioIndia Mission

B. Pharma Vision 2030

C. Biopharma SHAKTI



D. National Biologics Development Scheme

Q89 Modern Indian Authors

Who authored the book "The Sage who Reimagined Hinduism: The Life, Lessons and Legacy of Sree Narayana Guru", released by Vice-President C. P. Radhakrishnan in New Delhi?

A. Dr. S. Jaishankar

B. Dr. Kiran Bedi

C. Dr. Shashi Tharoor



D. Dr. Bibek Debroy

Q90 National Current Affairs

The theme "Resourcing Viksit Bharat" was associated with which conference held in January 2026?

A. SKOCH Summit 2026



B. India Digital Summit 2026

C. Startup Mahakumbh 2026

D. Raisina Dialogue 2026

Q91 New Apps & Portals

Which national organization launched the Central Prabharī Officer (CPO) Portal in May 2026 for improving real-time governance and last-mile delivery?

A. NITI Aayog



B. National Development Council

C. Competition Commission of India

D. National Statistical Office



Q92 New Apps & Portals

At the India AI Impact Summit 2026, Union Health Minister J. P. Nadda launched which two AI-based healthcare initiatives on February 17, 2026?

- A. SEHAT and VIKAS
- B. NIRAMAY and PRAGATI
- C. AROGYA and SAKSHAM
- D. SAHI and BODH

**Q93 New Guidelines & Regulations**

In February 2026, which economic institution announced expanded guidelines for digital lending transparency?

- A. Insurance Regulatory and Development Authority of India
- B. Securities and Exchange Board of India
- C. Reserve Bank of India
- D. Competition Commission of India

**Q94 New Schemes & Programs**

In January 2026, the One Nation One Subscription (ONOS) initiative mainly aimed to improve access to which resource?

- A. National digital television channels
- B. Government land record databases
- C. International academic research journals
- D. Public sector employment portals

**Q95 New Schemes & Programs**

The 'Saheli Pink Smart Card' scheme, launched by President Droupadi Murmu in March 2026 to strengthen women's welfare and social security, was introduced by the government of which Union Territory?

- A. Jammu and Kashmir
- B. Chandigarh
- C. National Capital Territory (NCT) of Delhi
- D. Puducherry

**Q96 Recent Tournaments**

Which country hosted the 2026 Commonwealth Youth and Junior Weightlifting Championships conducted at the Tuanaimito Sports Complex in Apia during April–May 2026?

- A. Samoa
- B. Fiji
- C. Tonga
- D. Vanuatu

**Q97 Science & Technology Current Affairs**

Which of these Indian institutes launched the Bharat Cancer Genome Atlas in February 2026 to create India's first comprehensive cancer genome database?

- A. Indian Institute of Technology, Madras
- B. Apollo Proton Cancer Centre, Chennai
- C. Indian Institute of Science, Bengaluru
- D. Gujarat Cancer & Research Institute, Ahmedabad

**Q98 Species Conservation**

In March 2026, Kuno National Park in Madhya Pradesh was in the news after the birth of five cheetah cubs increased India's total cheetah population to:

- A. 67
- B. 53
- C. 32
- D. 41

**Q99 Tax Changes**

Under the Union Budget 2026–27, customs duty exemptions on specified imported medicines and drugs were announced mainly to provide relief to patients suffering from which of the following diseases?

- A. Dengue
- B. Tuberculosis
- C. Cancer
- D. Diabetes

**Q100 World Events**

Which two countries had been officially identified by the World Health Organization and the Africa Centres for Disease Control and Prevention in May 2026 for the outbreak of Bundibugyo strain Ebola Virus Disease under the declarations of Public Health Emergency of International Concern and Public Health Emergency of Continental Security?

- A. Uganda and Tanzania
- B. Kenya and Uganda
- C. Democratic Republic of the Congo and Rwanda
- D. Democratic Republic of the Congo and Uganda



General Science

25 Questions • Answer Key

Q1 Atomic Structure & Models

Which of the following statements is/are CORRECT?

Statement I: The maximum number of electrons in any shell is given by $2n^2$.Statement II: The third shell ($n=3$) can hold up to 12 electrons.

- A. Only statement II is correct.
- B. Only statement I is correct.**
- C. Both statements I and II are incorrect.
- D. Both statements I and II are correct.

Q2 Atoms & Molecules

Which statement best describes the result when a sodium atom in the gaseous state loses one electron?

- A. The atom becomes a sodium ion with a negative charge.
- B. The atom remains a neutral sodium atom.
- C. The atom becomes a sodium ion with a positive charge.**
- D. The atom is converted into a neutron.

Q3 Basic Organic Chemistry

Which process converts ethanol to ethene when ethanol is heated at 443 K with excess concentrated sulphuric acid?

- A. Hydrolysis of ethanol
- B. Oxidation of ethanol
- C. Reduction of ethanol
- D. Dehydration of ethanol**

Q4 Cell Structure & Organelles

Which material did Robert Hooke use to first discover "cells"?

- A. Onion peel
- B. Leaf surface
- C. Cork slice**
- D. Human cheek

Q5 Circulatory System (Heart, Blood)

What prevents blood from flowing backward inside the low-pressure veins of the human circulatory system?

- A. Thick elastic walls
- B. Microscopic capillaries
- C. One-way valves**
- D. High pumping force

Q6 Circulatory System (Heart, Blood)

In mammals, what is the primary advantage of having a four-chambered heart in relation to the transportation of blood in the lungs?

- A. Allows blood to flow only once through the heart
- B. Prevents mixing of oxygenated and deoxygenated blood**
- C. It ensures only oxygenated blood enters the lung tissue
- D. Reduces blood pressure in the lungs

Q7 Current Electricity (Ohm's Law, Circuits)

A student uses two wires of the same material and length but different thickness in the same circuit. Which statement best explains why the thicker wire causes a higher ammeter reading?

- A. The thicker wire has more resistivity, resulting in higher current
- B. The thicker wire has a larger area, resulting in higher resistance and lower current
- C. The thicker wire has a larger area, resulting in lower resistance and higher current**
- D. The thicker wire has a different material, resulting in higher current

Q8 Eclipses, Tides, Rotation/Revolution

A climate modeler wants to explain why polar regions have long periods of darkness and light during the year. Which factor is most responsible for this phenomenon?

- A. Ocean currents change the amount of sunlight received
- B. Only latitude determines day length at the poles
- C. Atmospheric composition blocks sunlight at the poles
- D. Earth's axial tilt and spherical shape affect sunlight distribution**



Q9 Important Salts & Their Uses

Which of the following is a product formed at the cathode during the electrolysis of brine?

- A. Sodium metal
- B. Hydrogen gas
- C. Chlorine gas
- D. Oxygen gas

Q10 Magnetic Effects of Current

A student wants to make a bar magnet using a current-carrying solenoid. Which arrangement of the magnetic field lines will indicate that the solenoid is acting as a bar magnet?

- A. Field lines form straight parallel lines outside the solenoid only
- B. Field lines spiral around the solenoid from end to end
- C. Field lines emerge from one end and enter the other, forming closed loops outside
- D. Field lines curve randomly inside the solenoid

Q11 Mechanics

Two machines lift the same load. Machine P requires an effort of 100 N, while Machine Q requires an effort of 50 N. Which machine has the greater mechanical advantage?

- A. Machine P
- B. Machine Q
- C. Cannot be determined
- D. Both machines are equally efficient

Q12 Mechanics

What is the primary purpose of a simple machine?

- A. To increase the weight of an object
- B. To reduce the total work done in a task
- C. To create energy
- D. To make work easier by changing the magnitude or direction of a force

Q13 Mechanics

Which quantity is represented by the slope of a position-time graph for an object moving in a straight line?

- A. Momentum
- B. Force
- C. Linear velocity
- D. Acceleration

Q14 Mirrors & Lenses

A real, inverted and diminished image of an object is formed by a convex lens. At which position is the object placed?

- A. Beyond 2F
- B. At 2F
- C. Between the principal focus (F) and 2F
- D. At the principal focus (F)

Q15 Mixtures, Solutions, Colloids

A student adds salt to water until no more salt dissolves and some salt remains undissolved at the bottom. What does this indicate?

- A. Salt is completely insoluble in water
- B. Salt has very low solubility in water
- C. The solution formed is saturated salt solution
- D. The solution formed is a colloidal solution

Q16 Nutrition & Vitamins

Choose an INCORRECT statement in regard to food uptake by single celled organisms.

- A. Amoeba takes in food by forming pseudopodia
- B. Paramecium uses cilia to move and capture food
- C. Amoeba has autotrophic mode of nutrition
- D. Food is taken in through the process of endocytosis

Q17 Ocean Currents

A climatologist analyzes why the Southern Hemisphere gyres rotate in a specific direction. Which factor primarily explains the rotation pattern of these ocean gyres?

- A. Temperature gradients push water
- B. Earth's rotation deflects water movement
- C. Wind direction drives all rotation
- D. Land mass distribution alters flow

Q18 Oxidation & Reduction (Redox)

In the reaction $\text{MnO}_2 + 4\text{HCl} \rightarrow \text{MnCl}_2 + 2\text{H}_2\text{O} + \text{Cl}_2$, which substance is oxidized?

- A. MnO_2
- B. HCl
- C. H_2O
- D. MnCl_2



Q19 Physical & Chemical Properties

Aluminium reacts with oxygen. Which chemical formula represents the product of this reaction?

- A. Al_3O_2
- B. Al_2O
- C. AlO_2
- D. Al_2O_3 ✓

Q20 Plant Biology

The capability of a single mature plant cell to develop into a complete plant, as proposed by Haberlandt, is called _____.

- A. Permeability
- B. Totipotency ✓
- C. Turgidity
- D. Contact inhibition

Q21 Pollution (Air, Water, Soil, Noise)

The primary harmful effect of UV radiation on humans, if not blocked by the ozone layer, is:

- A. anaemia
- B. asthma
- C. skin cancer ✓
- D. hypertension

Q22 Reflection & Refraction

Why do stars appear to twinkle when observed from the Earth?

- A. Due to absorption of light by atmospheric gases
- B. Due to refraction caused by varying air layers in the atmosphere ✓
- C. Due to reflection of light from clouds
- D. Due to scattering of light by dust particles in the air

Q23 SI Units & Dimensions

If the unit of force is newton, which combination of fundamental SI units makes up one newton?

- A. Kilogram meter per second squared ✓
- B. Kilogram per meter per second
- C. Kilogram meter per second
- D. Meter per kilogram per second squared

Q24 Soaps & Detergents

In a comparison between two soap solutions, one containing oil droplets and the other without, which is more likely to have well-developed micelles?

- A. The solution without oil because soap cannot form micelles with oil.
- B. Neither solution because micelles cannot exist in aqueous solutions.
- C. Both solutions because micelles never interact with oily substances.
- D. The solution containing oil droplets because hydrophobic cores trap oil. ✓

Q25 Sound

When a bell rings inside a jar and the air is slowly removed, what happens to the sound?

- A. The pitch of the sound increases
- B. The sound becomes louder
- C. The sound becomes fainter as air is removed ✓
- D. The bell stops vibrating immediately as air is removed



Q26 Arithmetic

Sachin's monthly salary is ₹15,000. He spends ₹5,500 on house rent and ₹2,000 on utility bills, and saves the remaining amount each month. If, during his birthday month, he spends his entire monthly savings on his birthday celebration, find his total savings (in ₹) for the year.

- A. 90,000
- B. 75,000
- C. 67,500
- D. 82,500

**Q27 Basic CI Calculation**

A certain sum amounts to ₹1,08,864 at the rate of 40% per annum in two years, with interest compounded half-yearly. What will be the amount payable (in ₹) on the same sum at the same rate and for the same time, if the interest is compounded annually?

- A. 1,07,600
- B. 1,08,200
- C. 1,02,900
- D. 1,07,300

**Q28 Basic TSD**

Car M takes 7 hours to travel from point A to point B. It would have taken 8 hours if it had travelled the same distance at a speed 23.8 km/hr less than its original speed. What is the distance between points A and B?

- A. 1330.2 km
- B. 1332.8 km
- C. 1333.9 km
- D. 1331.5 km

**Q29 CP-SP Relation**

A vendor buys 41 laptop bags for ₹21,115 and sells them at 26 for ₹13,520. How many laptop bags should be bought and sold, at this rate, to earn a total profit of ₹8,845?

- A. 1757
- B. 1745
- C. 1760
- D. 1769

**Q30 Direct Proportion**

Ram purchases 8 pens for ₹240 and 6 pencils for ₹54. How much money does he need to buy 1 pen and 3 pencils?

- A. ₹57
- B. ₹48
- C. ₹78
- D. ₹69

**Q31 Divisibility Rules**

The number 1408 is divisible by which of the following numbers?

- A. 13
- B. 24
- C. 21
- D. 22

**Q32 Find SI**

Two banks, A and B, offered loans at 3.5% and 8.5% per annum, respectively. Shivam borrowed an amount of ₹2,40,000 from each bank. Find the positive difference between the amounts (in ₹) of simple interest paid to the two banks by Shivam after 4 years.

- A. 49,000
- B. 49,500
- C. 48,000
- D. 47,500

**Q33 Finding Present Age**

If three times the mother's present age is 24 years more than eight times her daughter's age, and three times the daughter's age is 3 years less than the mother's age, then what is the difference (in years) between the ages of the mother and the daughter?

- A. 33
- B. 36
- C. 35
- D. 28



Q34 Finding Value from Percentage

Rajan spends 60% of his income on household expenses. From the remaining income, he saves 50%. If his savings are ₹8,000, what is his total income?

A. ₹40,000



B. ₹32,000

C. ₹35,000

D. ₹45,000

Q35 Half-Yearly Compounding

If a sum of ₹2,70,000 is invested for a year at 10% per annum compounded half-yearly, then find the compound interest.

A. ₹27,850

B. ₹25,825

C. ₹27,625

D. ₹27,675

**Q36 Ratio Comparison**

What is the correct ascending order of the following ratios: 12:13, 25:26, 2:3, 5:6?

A. 5:6, 2:3, 12:13, 25:26

B. 2:3, 5:6, 12:13, 25:26



C. 2:3, 5:6, 25:26, 12:13

D. 2:3, 12:13, 5:6, 25:26

Q37 Ratio Simplification

The salaries of P, Q, and R are in the ratio 3 : 4 : 5. Their salaries are increased by 5%, 10%, and 15%, respectively. Find the new ratio of their salaries after the increases.

A. 53 : 88 : 105

B. 63 : 88 : 115



C. 63 : 78 : 115

D. 63 : 84 : 115

Q38 Rectangle & Square

The perimeter of a square is 564 m. Its area (in m²) is:

A. 19880

B. 19892

C. 19881



D. 19841

Q39 Replacement in Group

The average weight of 12 children increases by 1.5 kg when a new child comes in place of one child who weighed 42 kg. What might be the weight of the new child?

A. 61 kg

B. 62 kg

C. 59 kg

D. 60 kg

**Q40 Sequential Workers**

A can do a task in 24 days, while B can do the same task in 16 days. A begins the task and works for 6 days before B joins him. After that, they work together to complete the remaining job. In how many days is the task completed?

A. 13.2 days



B. 14.5 days

C. 16.2 days

D. 15 days

Q41 Simple Mean

In a group of 10 students, the mean of the lowest 9 scores is 46 while the mean of the highest 9 scores is 50. For the entire group of 10 students, the maximum possible mean exceeds the minimum possible mean by:

A. 4.3

B. 3.6

C. 3.4

D. 3.2

**Q42 Volume**

A cuboid has its three edges in arithmetic progression and its volume is 384 cm³. If the smallest edge measures 4 cm, find the length of the largest edge.

A. 14 cm

B. 32 cm

C. 17 cm

D. 12 cm



Q43 Average Speed

An aircraft covered a distance of 1440 km from place A to place B in $10\frac{1}{2}$ hours. The aircraft stopped for 10 minutes and 20 minutes, respectively. What is the average speed of the aircraft?

A. 144 km/hr



B. 140 km/hr

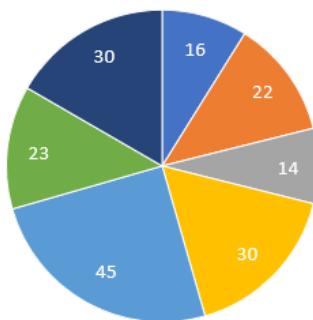
C. 148 km/hr

D. 154 km/hr

Q44 Degree Based

Study the data of the number of accidents on different days of a week in the given pie chart and answer the question below it.

Accidents



■ Sunday ■ Monday ■ Tuesday ■ Wednesday ■ Thursday ■ Friday ■ Saturday

If the data of Thursday is dropped and rest of the data is plotted on a pie chart, then what is the difference in angles (in degrees) made at the centre by Wednesday earlier and now?

A. 25

B. 20



C. 45

D. 30

Q45 Laws of Indices

Simplify:

$$\frac{(a^3 b^{-2})^2 (a^{-1} b^5)^3}{a^4 b^{-1}}$$

A. $\frac{b^{12}}{a}$



B. $\frac{a}{b^9}$

C. $\frac{b^8}{a^3}$

D. $\frac{a^2}{b^6}$



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Q46 MP with Discount and Profit

A shopkeeper gains ₹56 on a toy after allowing 23% discount on its marked price. If his gain is 10%,

A. ₹800



B. ₹805

C. ₹770

D. ₹870

Q47 Mean of Grouped Data

The following table shows the distribution of marks obtained by students in a test: Find the arithmetic mean of the marks using the direct method.

Marks(x)	10	15	20	25	30
Number of students	3	7	12	6	2

A. 18.5

B. 23.5

C. 19.5



D. 13.5

Q48 Parallelogram

If the ratio of the angles of a quadrilateral is 2 : 7 : 2 : 7, then it is a:

A. parallelogram



B. square

C. rectangle

D. trapezium

Q49 Pythagorean Identities

Evaluate: $\frac{1 + \sin \theta}{\cos \theta} + \frac{\cos \theta}{1 + \sin \theta}$.

A. $2\cos \theta$ B. $2\sec \theta$ C. $2\sin \theta$ D. $2\operatorname{cosec} \theta$ **Q50** $\operatorname{cosec}^2 - \cot^2 = 1$

If $\operatorname{cosec} \theta + \cot \theta = p$, $p > 1$, then find the value of $\frac{\sec \theta + 1}{\sec \theta - 1}$.

A. $2p$ B. $p^2 + 1$ C. p^2 D. $p^2 - 1$ 

Q51 Alphabetical/Dictionary Ranking

This question is based on the six, three-digit numbers given below:

(Left) 420 529 126 780 288 103 (Right)

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

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

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

A. 4

B. 2

C. 1

D. 3

Q52 Day of Week Assignment

Each of P, Q, R, S, T, U and V has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week.

V has an exam on Tuesday. Exactly 3 people have an exam between V and R. P has an exam immediately before T and Q has an exam immediately after T. Only 1 person has an exam between P and S.

How many people have an exam between R and T?

A. 2

B. 3

C. 4

D. 1

Q53 Day of Week Assignment

Each of P, Q, R, S, T, U and V has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week.

R has an exam on Friday. Exactly 3 people have an exam between U and P, none of whom has an exam on Sunday. Q has an exam immediately after T. V has an exam immediately before P.

How many people have an exam between P and S?

A. 4

B. 1

C. 2

D. 3

Q54 Day of Week Assignment

Each of P, Q, R, S, T, U and V has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week.

T has an exam on Tuesday. Exactly 2 people have an exam between T and V. P has an exam immediately before S and R has an exam immediately after Q. Only 1 person has an exam between S and Q.

Who has an exam on Sunday?

A. R

B. U

C. S

D. V

Q55 Facing Center

A, B, C, D, E, F and G are sitting around a circular table facing the centre.

Only three people sit between A and D, when counted from the left of A. Only three people sit between G and E, when counted from the right of E. C sits to the immediate right of G. F is an immediate neighbour of E as well as D.

How many people sit between B and C, when counted from the right of B?

A. 1

B. 2

C. 3

D. 4

Q56 Facing Center

Eight friends Akash, Drishti, Kanika, Kajal, Charu, Ravi, Shivi and Pari are sitting around a circular table, facing the centre. Akash sits second to the left Kanika. Kanika sits third to the right of Kajal. Pari is an immediate neighbour of Charu and Kanika. Drishti sits second to the right of Pari. Ravi is not an immediate neighbour of Drishti. How many people sit between Shivi and Ravi when counted from the left of Ravi?

A. Two

B. One

C. Four

D. Three



Q57 Group Pattern

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

VKR ANW FQB KTG ?

A. QWM

B. OXK

C. PWL



D. QVL

Q58 Letter to Number Mapping

In a certain code language, 'CODE' is coded as '8367' and 'DECK' is coded as '0736'. What is the code for 'K' in the given code language?

A. 7

B. 8

C. 0



D. 3

Q59 Letter to Number Mapping

In a certain code language, 'SCAM' is coded as '7532' and 'SACK' is coded as '5742'. What is the code for 'K' in the given code language?

A. 7

B. 5

C. 2

D. 4

**Q60 Letters Between Two Positions**

This question is based on the following words.

(LEFT) JAR DEW ARM LAG (RIGHT)

How many letters are there between the first letter of the first word from the right and the second letter of the second word from the left as per the English alphabetical order?

A. 6



B. 5

C. 7

D. 4

Q61 Operation Based

8 is related to 510 following a certain logic. Following the same logic, 9 is related to 727. To which of the following is 10 related, following the same logic?

(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.).

A. 963

B. 972

C. 990

D. 998

**Q62 Operation Based**

35 is related to 11 following a certain logic. Following the same logic, 47 is related to 15. To which of the following is 23 related, following the same logic?

(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.)

A. 12

B. 7



C. 15

D. 5

Q63 Operation Based Coding

If 1 is added to each odd digit and 2 is subtracted from each even digit in the number **6352814**, which of the following digits will be third from the right in the new number thus formed?

A. 0

B. 2

C. 4

D. 6



Q64 Operation Based Coding

If 1 is subtracted from each odd digit and 2 is added to each even digit in the number 433535454976, what will be the sum of the digits which are third from the left and second from the right in the new number thus formed?

A. 6

B. 7

C. 8

D. 5

Q65 Operator Swap

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

$$30 - 5 \div 15 + 24 \times 6 = ?$$

A. 10

B. 198

C. 161

D. 1

Q66 Pattern Based

TVYC is related to EGJN in a certain way based on the English alphabetical order. In the same way, UWZD is related to FHKO. To which of the following is ACFJ related, following the same logic?

A. LOPW

B. LNPU

C. LMPU

D. LNQU

Q67 Position Based

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.

EHY : HGU

JEO : MDK

A. DIV : GGR

B. IBR : LAM

C. NQV : QPR

D. PGZ : SFU

Q68 Position Based

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: WRP :: JUG : %

A. # = TOM , % = MXJ

B. # = UOM , % = MZJ

C. # = TON , % = NXJ

D. # = TPM , % = MXH

Q69 Position Pattern

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

A. DKQ

B. CJQ

C. TAH

D. ELS

Q70 Position Pattern

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

A. XVT

B. PNL

C. TRP

D. PKH

Q71 Rearrangement of Letters

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

A. Three

B. Two

C. None

D. One



Q72 Rearrangement of Letters

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

A. Eight



B. Eleven

C. Nine

D. Seven

Q73 Symbol Based

In a certain code language,
A + B means 'A is the son of B',
A - B means 'A is the brother of B',
A @ B means 'A is the wife of B' and
A % B means 'A is the father of B'.
Based on the above, how is S related to N if 'S + A - E @ R % N'?

A. Brother

B. Father

C. Mother's brother

D. Mother's brother's son

**Q74 Symbol Based**

In a certain code language,
A+ B means 'A is the son of B'
A - B means 'A is the brother of B'
A # B means 'A is the wife of B'
A % B means 'A is the father of B'
Based on the above, how is D related to K if 'D%R-T+K'?

A. Husband



B. Father

C. Son

D. Brother

Q75 Symbol Included Pattern

Refer to the following letter, number and symbol series and answer the question that follows. All numbers are single-digit numbers.

(Left) K € £ E 9 3 T @ 8 M % 7 C A # 5 2 R A \$ G I (Right)

If all the symbols are dropped from the series, which of the following will be sixth from the left?

A. 8



B. C

C. T

D. M

Q76 Symbol Included Pattern

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

(Left) G Y # B D W & L % J R U * T @ W A Z Q \$ V N K S (Right)

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

A. Three

B. One

C. Two



D. Four

Q77 Symbol Included Pattern

Refer to the given number and symbol series and answer the question that follows. All numbers are single digit numbers.

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

If all the symbols are dropped from the series, which of the following will be seventh from the right?

A. 1

B. 5

C. 8

D. 2

**Q78 Two Statement Syllogism**

Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion/s logically follow/s from the given statements.

Statements: Some bats are dogs. No dog is a can.

Conclusion (I): Some bats are cans.

Conclusion (II): Some dogs are bats.

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

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

C. Only conclusion (II) follows



D. Only conclusion (I) follows



Q79 Two Statement Syllogism

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

Statements: Some chairs are tables. All tables are wood.

Conclusion (I): Some wood are chairs.

Conclusion (II): No wood is a chair.

A. Only conclusion (II) follows

B. Only conclusion (I) follows



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

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

Q80 Missing Number

Which of the following options should come in place of the question mark (?) in the given series?

19 21 26 36 53 ?

A. 84

B. 78

C. 79



D. 75

General Awareness

20 Questions • Answer Key

Q81 India's Foreign Relations

During PM Modi's visit to Rome in May 2026, which spiritual leader informed him that Sanatana Dharma Samgha was recognized as an official religion by the Italian Parliament?

A. Mata Amritanandamayi

B. Sadhguru Jaggi Vasudev

C. Swamini Shuddhananda Ghiri



D. Swami Vivekananda

Q82 Individual Records

At the Asian Indoor Athletics Championships 2026 held in Tianjin, China, which Indian athlete won the gold medal in the men's heptathlon by setting a new national indoor record?

A. Eldhose Paul

B. Tejaswin Shankar



C. Avinash Sable

D. Jeswin Aldrin

Q83 Key Announcements

According to the Union Budget 2026-27, the newly announced Khelo India Mission aims to transform India's sports sector over the next _____.

A. 20 years

B. 5 years

C. 10 years



D. 15 years

Q84 Missile Tests & Systems

In May 2026, the TARA glide weapon system was tested from which aircraft platform of the Indian Air Force?

A. Jaguar strike aircraft



B. Tejas light aircraft

C. Rafale combat aircraft

D. Mirage-2000 fighter aircraft



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Q85 National Current Affairs

Which political party secured the highest number of seats in the West Bengal Assembly election in 2026?

- A. Indian National Congress
- B. Communist Party of India (Marxist)
- C. Bharatiya Janata Party ✓
- D. All India Trinamool Congress

Q86 National Themed Days

When was GST Day 2026 celebrated in Hyderabad to mark nine years of implementation of the Goods and Services Tax (GST)?

- A. 2 March 2026
- B. 22 January 2026
- C. 1 July 2026 ✓
- D. 15 August 2026

Q87 New Apps & Portals

The Cell Broadcast System (CBS), launched in May 2026 to strengthen India's emergency communication system, was developed by which organisation?

- A. Bharat Sanchar Nigam Limited (BSNL)
- B. Centre for Development of Telematics (C-DOT) ✓
- C. Telecommunications Consultants India Limited (TCIL)
- D. National Informatics Centre (NIC)

Q88 New Apps & Portals

Which of the following is a service-oriented digital platform launched by the Union Ministry of Health and Family Welfare in May 2026 during the National Summit on Innovation and Inclusivity to maintain longitudinal digital health records of women across the continuum of maternal and child healthcare?

- A. LaQshya
- B. JANANI ✓
- C. Sakhi
- D. SUMAN

Q89 New Apps & Portals

The AI platform 'SARAL AI', reported in April 2026, is being developed by the Anusandhan National Research Foundation (ANRF) for which of the following purposes?

- A. To create an AI-driven platform for allocating research grants and monitoring institutional performance across universities.
- B. To convert complex research publications and patents into simple, multilingual content for wider public dissemination. ✓
- C. To enable AI-assisted drafting and filing of intellectual property applications for researchers.
- D. To establish a centralized repository for secure storage and commercialization of patents generated through publicly funded research.

Q90 New Apps & Portals

Which of the following mobile applications was launched by the Ministry of Social Justice and Empowerment during the Chintan Shivir held in Chandigarh from 24–26 April 2026 to support digital survey-based rehabilitation monitoring and field-level implementation?

- A. Sugamya Bharat Mobile Application
- B. SITHA Mobile Application
- C. PM-DAKSH Mobile Application
- D. SMILE–Beggary Survey Mobile Application ✓

Q91 New Schemes & Programs

What is the name of the scheme launched by the Government of India in June 2026 to develop 100 industrial parks with a ₹33,660 crore outlay?

- A. BHAVYA ✓
- B. BHANDAN
- C. NAVYA
- D. BHARATAVYA

Q92 New Schemes & Programs

Which organization has launched the 'Krishi Sakhi Initiative' in March 2026 to empower women farmers and promote inclusive growth?

- A. Agriculture Insurance Company of India Limited (AIC) ✓
- B. United India Insurance Company Limited
- C. Export Credit Guarantee Corporation of India
- D. National Bank for Agriculture and Rural Development (NABARD)



Q93 Olympics, CWG, Asian Games

Which Alpine skier won three gold medals (Downhill, Super-G, and Team Combined) at the Milano Cortina 2026 Winter Olympics?

- A. Marco Odermatt
- B. Franjo von Allmen
- C. Lucas Pinheiro Braathen
- D. Mikaela Shiffrin

**Q94 Paris Agreement Updates**

Which international agreement on carbon markets was activated between India and the Republic of Korea in April 2026?

- A. Green Climate Fund (GCF) Protocol
- B. Article 6.2 of the Paris Agreement
- C. Carbon Border Adjustment Mechanism (CBAM)
- D. Kyoto Protocol Flexibility Mechanisms

**Q95 Policy Changes & Amendments**

Which Indian Constitution Amendment Bill introduced in Lok Sabha in April 2026 reverts to the principle of each state having seats in proportion to its population?

- A. The Constitution (121st Amendment bill)
- B. The Constitution (111th Amendment bill)
- C. The Constitution (131st Amendment bill)
- D. The Constitution (141st Amendment bill)

**Q96 Recent Tournaments**

Which of the following states became the overall champion at the Khelo India Beach Games 2026, held in the Union Territory of Diu, by winning the most bronze medals to break a three-way tie?

- A. Manipur
- B. Madhya Pradesh
- C. Tamil Nadu
- D. Karnataka

**Q97 Species Conservation**

Following confirmed tiger sightings after years of declining numbers, which state regained recognition for having a tiger presence in India's 2026 tiger estimation process?

- A. Odisha
- B. Maharashtra
- C. Uttar Pradesh
- D. Gujarat

**Q98 Summits & Conferences**

Where was the 14th Ministerial Conference (MC14) of the World Trade Organization hosted in March 2026?

- A. Addis Ababa, Ethiopia
- B. Abu Dhabi, UAE
- C. Nairobi, Kenya
- D. Yaoundé, Cameroon

**Q99 Treaties & Agreements**

At the 16th India–EU Summit held in January 2026, the conclusion of which agreement was jointly announced by the Prime Minister of India and the President of the European Commission?

- A. India–European Union Investment Protection Agreement
- B. India–European Union Comprehensive Economic Partnership Agreement
- C. India–European Union Digital Partnership Agreement
- D. India–European Union Free Trade Agreement (India–EU FTA)

**Q100 UN Declared Days**

Which of the following was the theme of World Teachers' Day celebrated on 5 October 2025?

- A. Valuing teacher voices: Towards a new social contract for education
- B. Inspiring the Next Generation of Learners
- C. Recasting teaching as a collaborative profession
- D. The transformation of education begins with teachers



General Science

25 Questions • Answer Key

Q1 Atomic Structure & Models

Which of the following electronic configurations is NOT possible for any neutral atom?

A. 2, 8, 2

B. 2, 10, 9

C. 2, 8, 3

D. 2, 8, 8

**Q2 Atoms & Molecules**

An element X forms a chloride with the formula XCl_3 and an oxide with the formula X_2O_3 . Based on this, what is the valency of element X?

A. 3

B. 1

C. 2

D. 4

**Q3 Biology**

Why do single-celled organisms not require specialized organs for taking in food and exchanging gases?

A. Because they have a transportation system

B. Because they have complex body designs

C. Because their entire surface is in contact with the environment

D. Because they do not need food or oxygen

**Q4 Cell Structure & Organelles**

Identify the CORRECTLY matched cell-structure pair.

A. Bacteria Cell – Well-defined Nucleus

B. Eukaryotic Cell – Membrane-bound Endoplasmic Reticulum

C. Animal Cell – Cell Wall

D. Prokaryotic Cell – Mitochondria

**Q5 Circulatory System (Heart, Blood)**

Select the correct option regarding the following two statements labelled Assertion (A) and Reason (R).

Assertion (A): Blood pressure increases temporarily during exercise.

Reason (R): Exercise increases heart rate and the volume of blood pumped by the heart per minute.

A. A is false, but R is true

B. Both A and R are true, but R is not the correct explanation of A

C. A is true, but R is false

D. Both A and R are true, and R is the correct explanation of A

**Q6 Current Electricity (Ohm's Law, Circuits)**

A heater is rated at 1000 W, 250 V. If it is connected to a 250 V supply, what will be the current drawn by the heater and what is the resistance of the heater?

A. 5.0 A, 50 Ω B. 3.5 A, 71.4 Ω C. 4 A, 62.5 Ω D. 2.5 A, 100 Ω **Q7 DNA & RNA**

DNA, which is also called _____ acid, is the hereditary material that carries genetic information in cells.

A. Denatured

B. Di-ribonucleic

C. Decarbonated

D. Deoxyribonucleic

**Q8 Human Eye & Defects**

When a ciliary muscles contracts, the eye lens becomes _____.

A. Thicker and the focal length increases

B. Thinner and the focal length increases

C. Thicker and the focal length decreases

D. Thinner and the focal length decreases



Q9 Hydrocarbons (Methane, Ethane, etc.)

Unsaturated hydrocarbons usually undergo which of the following reaction mechanisms?

- A. Neutralization
- B. Addition ✓
- C. Combustion
- D. Substitution

Q10 Magnetic Effects of Current

An electron enters a uniform magnetic field at right angles to it. If the magnetic field is directed into the page and the electron enters toward the right, what is the direction of the force acting on the electron?

- A. upward
- B. out of the page
- C. into the page
- D. downward ✓

Q11 Mechanics

Acceleration is defined as:

- A. Distance per unit time
- B. Displacement per unit time
- C. Change in displacement per unit time
- D. Change in velocity per unit time ✓

Q12 Mechanics

A worker has to raise a heavy load to a certain height. Four ideal machines are available. Their mechanical advantages are given below:

Machine P: $MA = 0.5$

Machine Q: $MA = 0.8$

Machine R: $MA = 2$

Machine S: $MA = 4$

Assume all machines are frictionless and the load must be lifted through the same vertical height.

Which of the following statements is correct?

- A. Machine S requires the least effort but the effort moves through the greatest distance. ✓
- B. Machine S performs less work than the other machines.
- C. Machines R and S require the same effort since the load is unchanged.
- D. Machine P requires the least effort because it has the smallest MA.

Q13 Minerals & Mining

Coal is formed from the remains of trees, ferns and other plants that lived _____ of years ago.

- A. hundreds
- B. millions ✓
- C. thousands
- D. tens

Q14 Mirrors & Lenses

A convex lens is used to form an image of an object. When the object is placed at a distance greater than twice of the focal length ($2f$) of the lens, what is the nature of the image formed?

- A. Virtual, upright and magnified
- B. Real, inverted and diminished ✓
- C. Real, inverted, and magnified
- D. Real, inverted and the same size

Q15 Mixtures, Solutions, Colloids

Which of the following is a common example of a suspension found in daily life?

- A. Starch solution
- B. Milk
- C. Salt water
- D. Muddy water ✓

Q16 Newton's Laws of Motion

According to the Newton's Third Law of Motion, what happens to a stationary rowing boat when a sailor jumps forward from it?

- A. The boat remains stationary since only the sailor moves.
- B. The boat moves backward due to an equal and opposite reaction force. ✓
- C. The boat moves forward along with the sailor.
- D. The boat moves unpredictably due to water resistance.



Q17 Ocean Currents

A biologist studies nutrient-rich waters that support large fish populations near continental coasts. Which physical mechanism naturally brings nutrients from deep to surface waters?

- A. Planetary winds at the equator
- B. Salinity stratification at depth
- C. Upwelling caused by ocean currents ✓
- D. Movement of surface water only

Q18 Oxidation & Reduction (Redox)

Which observation best demonstrates that reduction has occurred in a chemical reaction?

- A. Carbon dioxide is released after heating a carbonate salt.
- B. Oxygen combines with a metal to form its oxide layer.
- C. Hydrogen gas is evolved after metal reacts with acid.
- D. Oxygen is removed from a metal oxide during heating. ✓

Q19 Physical & Chemical Properties

A student observes the reaction between zinc and sulfur resulting in a compound. Which property of metals is demonstrated when zinc combines with a non-metal like sulfur?

- A. Zinc acts as a reducing agent ✓
- B. Zinc acts as an oxidizing agent
- C. Zinc acts as a catalyst
- D. Zinc acts as a solvent

Q20 Plant Biology

Which mechanism allows the sensitive plant to move its leaves immediately after being touched?

- A. Use of animal-like proteins
- B. Electrical impulses in muscle tissue
- C. Specialized nervous tissue
- D. Changing the amount of water in certain cells ✓

Q21 Plant Kingdom (Divisions)

In an experiment, a group of plants fail to reproduce when water is withheld, even though they have vascular tissues. Which plant group do they most closely resemble?

- A. Gymnosperm
- B. Pteridophyta ✓
- C. Bryophyta
- D. Angiosperm

Q22 Pollution (Air, Water, Soil, Noise)

A city observes increased waste generation due to lifestyle changes and disposable packaging. What is the most effective solution to minimize environmental impact according to waste management principles?

- A. Burning all waste to reduce volume
- B. Promoting segregation and recycling of non-biodegradable waste ✓
- C. Increasing landfill space for all waste
- D. Ignoring segregation and focusing only on biodegradable waste

Q23 Properties & Tests

A student mixes a non-metallic oxide with a base and observes neutralization. What does this suggest about the properties of the substances involved?

- A. The base acts as an acid
- B. The non-metallic oxide acts as an acid ✓
- C. Both substances are neutral
- D. The non-metallic oxide acts as a base

Q24 Wave Properties (Frequency, Wavelength)

Which pair of changes will increase both the loudness and the pitch of a sound produced by a guitar string?

- A. Increasing amplitude and increasing frequency ✓
- B. Decreasing amplitude and increasing frequency
- C. Increasing amplitude and decreasing frequency
- D. Decreasing amplitude and decreasing frequency

Q25 Work, Energy & Power

When an object of mass m is moving with a velocity v , its kinetic energy is K , what will be its kinetic energy if its velocity is doubled?

- A. $2K$
- B. $4K$ ✓
- C. $3K$
- D. K



Q26 Annual Compounding

A certain sum of money becomes three times its original value in 4 years when invested at compound interest, compounded annually. In how many years will the same sum become nine times its original value at the same rate of interest?

- A. 5 years
- B. 6 years
- C. 9 years
- D. 8 years

**Q27 Basic TSD**

Giri covers a distance of 56 km in 7 hours. He covers the distance partly on foot at a speed of 6 km/h and partly on a bicycle at a speed of 11 km/h. What is the distance covered by him on the bicycle?

- A. 30.8 km
- B. 30.7 km
- C. 30.2 km
- D. 30.5 km

**Q28 Basic TSD**

A delivery rider starts 6 minutes 40 seconds late but still manages to reach a destination 21 km away on time by riding 12 km/hr faster than his usual speed. What is his usual speed in km/hr?

- A. 41
- B. 40
- C. 42
- D. 43

**Q29 Combined Work Rate**

A, B and C together finish a work in 2 days. If A alone can finish the same work in 4 days and B in 8 days, find how long (in days) will C take to finish twice the same work?

- A. 16
- B. 8
- C. 17
- D. 9

**Q30 Cost with Overhead Expenses**

Arvind bought an article for ₹x. He sold it to Biru at a loss of 10%. Biru spent ₹135 on its transportation and sold it to Minu at a profit of 50%. If Minu bought it for ₹1,728, then what is the value of x?

- A. 1,140
- B. 1,150
- C. 1,080
- D. 1,130

**Q31 Dividing Quantity in Ratio**

A certain sum is divided into two parts in the ratio 8 : 5. If one part is ₹306 more than the other, then find the sum (in ₹).

- A. 1,326
- B. 816
- C. 510
- D. 1,122

**Q32 Find SI**

Find the simple interest (in ₹) on ₹1,500 at an interest rate of 3% per month in 2 months.

- A. 27.50
- B. 7.50
- C. 90
- D. 15

**Q33 Finding Value from Percentage**

In an election between two candidates 80 % of the registered voters cast their vote and 10 % of the votes polled were found invalid. Winning candidate got 55% of the valid votes and won the election by a margin of 378 votes. How many voters were registered?

- A. 5250
- B. 5251
- C. 5249
- D. 5253



Q34 Finding Value from Percentage

In an election, A gets 63.2% of the votes polled. If the total number of voted polled is 5000, how many votes did A get?

- A. 2580
- B. 3580
- C. 2760
- D. 3160

**Q35 Half-Yearly Compounding**

A sum of ₹2,20,000 is invested for 1 year at 4% per annum, compounded half yearly. What is the compound interest earned at the end of the year?

- A. ₹8,888
- B. ₹8,648
- C. ₹9,551
- D. ₹9,364

**Q36 Laws of Indices**

Given that $102^{0.63} = x$, $102^{0.94} = y$ and $x^z = y^5$, then the value of z is close to:

- A. 9.71
- B. 6.41
- C. 7.46
- D. 8.63

**Q37 Measures of Central Tendency**

A dataset has a mean μ , median M , and mode m , following the empirical formula $m = 3M - 2\mu$. Each data point x undergoes a linear transformation given by $x' = kx + d$, where k and d are constants.

The transformed dataset has a new mean μ' , median M' , and mode m' .

Which of the following options correctly represents μ' , M' , and m' while ensuring that the empirical relationship remains valid?

- A. $\mu' = k\mu + d$, $M' = kM + d$, $m' = km + d$
- B. $\mu' = k\mu$, $M' = kM + d$, $m' = km + d$
- C. $\mu' = k\mu + d$, $M' = kM + d$, $m' = k(m + d)$
- D. $\mu' = k\mu + d$, $M' = kM$, $m' = km + d$

**Q38 Melting & Recasting**

A solid cone is melted and recast into a solid cylinder having the same radius as the cone. Find the ratio of the height of the cone to the height of the cylinder.

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

**Q39 Partnership**

Two partners, A and B, invested ₹1,50,000 and ₹1,80,000, respectively, in a business. They agreed to distribute 50% of the profit equally and the remaining 50% in proportion to their capital investments. If B receives ₹46,000 as his share of the total profit, find the total profit.

- A. ₹96,000
- B. ₹86,000
- C. ₹88,000
- D. ₹98,000

**Q40 Rules for 2,3,4,5,6**

Find the least value of $(3K^2 - 2)$ for which six digits number 7K8508 is divisible by 6.

- A. 10
- B. 17
- C. 8
- D. 14

**Q41 Rules for 2,3,4,5,6**

The 7-digit number 36A836B is divisible by 3. What is the minimum value of $(A + B)$?

- A. 5
- B. 1
- C. 6
- D. 4

**Q42 Simple Ratio Partnership**

A, B, and C invest ₹5,000, ₹7,000, and ₹8,000 in a business. If profit is ₹4,000, find A's share.

- A. ₹1,100
- B. ₹1,400
- C. ₹1,000
- D. ₹1,200



Q43 Single Right Triangle

A ladder is leaning against a vertical wall. The ladder is 25 meters long and makes an angle of 30 degrees with the ground. How high does the ladder reach up the wall?

- A. 25 meters
- B. 15 meters
- C. 21.7 meters
- D. 12.5 meters

**Q44 Successive Discount**

The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 74% and 72%, shop II allows successive discounts of 12% and 70%, shop III allows successive discounts of 51% and 92% and shop IV allows successive discounts of 29%, 78% and 56% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

- A. II
- B. III
- C. I
- D. IV

**Q45 Surface Area (TSA/LSA)**

Two cubes, each with a volume of 216 cm^3 , are joined together end to end. The surface area of the resulting cuboid is:

- A. 300 cm^2
- B. 495 cm^2
- C. 360 cm^2
- D. 406 cm^2

**Q46 Weighted Average**

Find the weighted arithmetic mean of the first 6 multiples of 8, where each multiple's weight is half of its value. Give your answer correct to two decimal places.

- A. 25.36
- B. 34.67
- C. 52.52
- D. 43.67

**Q47 Building/Tower Problems**

The angle of elevation of the top of a tower from a point on the ground is 45° . Moving 24 m directly towards the base of the tower, the angle of elevation changes to 60° . What is the height of the tower?

(Use $\sqrt{3} = 1.732$, and round off your answer to two decimal places.)

- A. 54.78 m
- B. 55.78 m
- C. 56.78 m
- D. 53.78 m

**Q48 Congruence & Similarity**

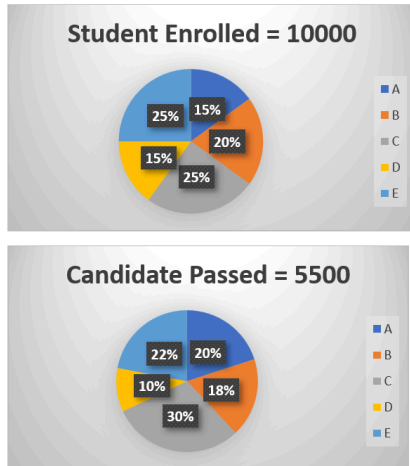
Given that $\angle F = \angle Z$ and $DF = XZ$, which of the following conditions must be true for $\triangle DEF$ and $\triangle XYZ$ to be congruent?

- A. $DE = XY$ by SAS criteria
- B. $EF = YZ$ by SSA criteria
- C. $DE = XY$ by SSS criteria
- D. $EF = YZ$ by SAS criteria



Q49 Double Pie Chart

The given pie charts represent distribution of candidates who were enrolled for MBBS entrance exam and the candidates (out of those enrolled) who passed the exam in different institutes (A, B, C, D and E).



For Institutes A and E together, what is the percentage of candidates who passed out of the total candidates enrolled?

- A. 64.75%
- B. 42.25%
- C. 57.75%
- D. 62.25%

**Q50 Simple Mean**

The average of five numbers is 18.45. What is the sum of the five numbers?

- A. 90.25
- B. 95.25
- C. 92.25
- D. 84.25

**General Intelligence & Reasoning**

30 Questions • Answer Key

Q51 Both Needed Together

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Among five sticks, V, H, Y, D and N, each having a different height, which stick is the tallest?

(I) Y is taller than only one stick. D is shorter than H but taller than V.

(II) D is taller than N.

- A. Data in Statement II alone is sufficient to answer the question while data in statement I is not
- B. Data in Statement I alone is sufficient to answer the question while data in statement II is not
- C. Both statements I and II together are NOT sufficient to answer the question
- D. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.

**Q52 Day of Week Assignment**

Each of C, D, E, F, J, K and L has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week. Only two people have exams before F. Only one person has exam after D. Only three people have exams between F and L. Only one person has exam between J and K. E has exam immediately before J. How many people have exams between C and J?

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



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Q53 Facing Center

A, B, C, D, E and F are sitting around a circular table, facing the centre.

C sits third to the right of B. D sits to the immediate left of A. D is not an immediate neighbour of B. F sits to the immediate right of E.

The position(s) of how many persons will remain unchanged if all persons are arranged in alphabetical order in clockwise direction starting from A?

A. Four

B. Three

C. One

D. Two

Q54 Facing Center

Seven friends, B, C, D, T, U, V and W, are sitting around a circular table facing the center of the table. Only one person sits between B and C, when counted from the left of C. W sits third to the right of U. V sits third to the left of T. W sits to the immediate right of V. D is not an immediate neighbor of V. How many people sit between D and C, when counted from the right of D?

A. Three

B. Four

C. One

D. Two

Q55 Floor/Building Arrangement

Seven boxes, A, B, C, D, E, F, and G, are stacked vertically. F is placed second from the top. G is placed immediately below E. Only one box is placed between D and E. D is placed fourth from the bottom. B is placed immediately below F. A is placed in one of the positions above C. What is the position of G?

A. Second from bottom

B. Second from top

C. Top-most

D. Bottom-most

Q56 Floor/Building Arrangement

Seven boxes, G, H, I, B, C, D and E, are kept one over the other, but not necessarily in the same order.

Only two boxes are kept between C and H. Only B is kept above D. No box is kept below H. I is kept at some place below G but at some place above E.

Which box is kept third above E?

A. D

B. C

C. E

D. G

Q57 Group Pattern

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

WHO AKS ENW IQA ?

A. NTF

B. LSF

C. MTE

D. NUD

Q58 Letters in a Given Word

Each vowel in the word VATLETS 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. One

B. Zero

C. Two

D. Three

Q59 Letters in a Given Word

This question is based on the following words.

APE CAR FAR RED

If in each of the words, each letter is changed to the letter immediately following it in the English alphabetical order, how many group of letters thus formed will have no vowel?

A. None

B. Two

C. Three

D. One

Q60 Mathematical Operations

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

(Left) 327 914 924 512 458 (Right)

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

In how many numbers is the sum of the second digit and the third digit of a number is exactly divisible by 3?

A. Two

B. Four

C. One

D. Three



Q61 Mathematical Operations

If 2 is subtracted from each odd digit and 1 is added to each even digit in the number 724859758586, what will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

A. 10

B. 11

C. 13

D. 12

**Q62 Missing Number**

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

9, 19, 30, 42, 55, ?

A. 70

B. 71

C. 69



D. 68

Q63 Number Series

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

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

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

A. 2



B. 4

C. 3

D. 1

Q64 Operation Based

58 is related to 233 following a certain logic. Following the same logic, 77 is related to 309. To which of the given options is 46 related, following the same logic?

(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 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.)

A. 124

B. 156

C. 185



D. 144

Q65 Operator Swap

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

$$61 - 5 + 231 \times 21 \div 33 = ?$$

A. 333

B. 327



C. 320

D. 324

Q66 Operator Swap

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

$$11 - 3 \div 14 + 15 \times 5 = ?$$

A. 29

B. 35

C. 44



D. 52

Q67 Pattern Based

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

IRON - NORI - RION

MILE - ELIM - IMLE

A. PLAN - PALN - PLNA

B. REST - TSER - ERST



C. HOPE - HPEO - EPHO

D. FIND - DINF - FNID

Q68 Pattern Based

Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

BIK : FEI

KKM : OGK

A. BLO : FHL

B. GEH : KAE

C. K VX : OQV

D. LSU : POS



Q69 Pattern Based

DEGH is related to FGJI in a certain way based on the English alphabetical order. In the same way, KLNO is related to MNPQ. To which of the following is UVXY related, following the same logic?

A. XWZC

B. WXZA



C. XYZB

D. WXZB

Q70 Position Pattern

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. FC-ZW

B. PM-II



C. HE-BY

D. AX-UR

Q71 Position Pattern

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

A. RPN

B. XVT

C. QOL



D. ZXV

Q72 Rearrangement of Letters

Each letter in the word HACKING is arranged in the English 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. Six

B. Three

C. Two



D. Five

Q73 Shortest Distance

Ankit starts from Point A and drives 12 km towards East. He then takes a right turn, drives 7 km, turns right and drives 13 km. He then takes a right turn and drives 12 km. He takes the final right turn, drives 1 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

A. 5 km to South



B. 4 km to South

C. 3 km to South

D. 5 km to North

Q74 Shortest Distance

Mr. Tosi starts from Point A and drives 11 km towards the East. He then takes a left turn, drives 12 km, then turns left and drives 23 km. He then takes a left turn and drives 19 km. He takes a final left turn, drives 12 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 7 km to the North



B. 7 km to the South

C. 8 km to the West

D. 9 km to the East

Q75 Square/Cube Based

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 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.)

(21, 441, 11)

(16, 256, 6)

A. (19, 361, 9)



B. (25, 625, 8)

C. (22, 484, 11)

D. (13, 169, 4)



Q76 Symbol Based

In a certain code language,
 $A + B$ means 'A is the mother of B',
 $A - B$ means 'A is the brother of B',
 $A \times B$ means 'A is the wife of B',
 $A \% B$ means 'A is the father of B' and
 $A \# B$ means 'A is the daughter of B'.

How is Lg related to Rv if 'Rv - Qe # Hp + Ki # Lg'?

A. Father



B. Brother

C. Son

D. Sister

Q77 Symbol Based

In a certain code language,
 $A \# B$ means 'A is the son of B',
 $A \% B$ means 'A is the brother of B',
 $A - B$ means 'A is the wife of B' and
 $A @ B$ means 'A is the father of B'.

How is M related to K if 'M - E \% W @ P # K'?

A. Brother's daughter

B. Husband's brother's wife



C. Brother's wife

D. Husband's brother's daughter

Q78 Symbol Included Pattern

Refer to the given letter, number and symbol series and answer the question that follows. All numbers are single-digit numbers only.

(Left) A 4 & P \% 7 @ 8 T 6 & K 2 R 5 # 3 E \Omega C D (Right)

If all the symbols are dropped from the series, which of the following will be seventh from the right?

A. 2



B. R

C. 5

D. K

Q79 Symbol Included Pattern

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

(Left) Y B \$ A W M & # J Q Z F L @ R H * T C D S (Right)

How many such symbols are there which are immediately preceded by another symbol and also immediately followed by a letter ?

A. Three

B. Two

C. One



D. Four

Q80 Two Statement Syllogism

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

Statements:

All engineers are artists.
 Some artists are dancers.

Conclusions:

(I) Some dancers are engineers.
 (II) Some artists are engineers.

A. Only conclusion (I) follows

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

C. Only conclusion (II) follows



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



Q81 Civilian Awards

In 2026, Prime Minister Narendra Modi received the "Royal Order of the Polar Star, Degree Commander Grand Cross" from which country?

A. Sweden



B. Norway

C. Denmark

D. Finland

Q82 Defense & Technology

What is the primary purpose of the Delegation of Financial Powers to DRDO (DFP-2026) released in June 2026?

A. To improve efficiency and project execution



B. To reduce the total research budget of DRDO

C. To mandate the outsourcing of core research

D. To centralize all project funding decisions

Q83 Environment Current Affairs

Which organisation had invoked Stage-I of the Graded Response Action Plan across Delhi-NCR in May 2026 after the Air Quality Index entered the 'Poor' category?

A. Ministry of Environment and Forests

B. National Green Tribunal

C. Central Pollution Control Board

D. Commission for Air Quality Management

**Q84 Environment Current Affairs**

What significant air quality milestone did Delhi-NCR achieve in 2025 by November?

A. No 'poor' days throughout the year

B. Best average AQI in eight years



C. Lowest AQI levels ever recorded since 1990

D. First time meeting WHO air quality standards

Q85 Government Policies & Schemes

The Ministry of Women and Child Development celebrated the 8th edition of Poshan Pakhwada from 9 to 23 April 2026. What was the theme of Poshan Pakhwada 2026?

A. Maximizing Brain Development in the First Six Years of Life



B. Strengthening Adolescent Nutrition and Healthy Lifestyle Practices

C. Promoting Maternal Health and Early Childhood Care Services

D. Enhancing Community Participation for Holistic Nutrition Outcomes

Q86 HDI, GHI, etc.

Which international financial institution published the "Women, Business and the Law 2026" report highlighting gaps in the enforcement of women's economic rights?

A. International Monetary Fund

B. World Bank Group



C. Organisation for Economic Co-operation and Development

D. United Nations Development Programme

Q87 Military Exercises

India had participated in the joint military Exercise LAMITIYE-2026 with the defence forces of which country?

A. Mauritius

B. Sri Lanka

C. Seychelles



D. Maldives

Q88 Missile Tests & Systems

Which indigenously developed third-generation fire-and-forget weapon system with top attack capability had been successfully flight-tested by DRDO against a moving target at KK Ranges, Ahilya Nagar, Maharashtra in January 2026?

A. Multi Purpose Advanced Target Ground Missile

B. Medium Range Precision Assault Tactical Missile

C. Man Portable Anti-Tank Guided Missile (MPATGM)



D. Mobile Personnel Armor Tracking Guided Missile



Q89 Missile Tests & Systems

Under India's hypersonic missile development program, which institution has successfully completed a long-duration ground test of an actively cooled, full-scale scramjet combustor in May 2026?

- A. Hindustan Aeronautics Limited
- B. Indian Space Research Organisation
- C. Bharat Electronics Limited
- D. Defence Research and Development Organisation ✓

Q90 Modern Indian Authors

Who authored the coffee table book 'Atal Bihari Vajpayee: The Eternal Statesman' launched at Dr. Ambedkar International Centre in February 2026?

- A. Vijay Goel ✓
- B. C. P. Radhakrishnan
- C. Murli Manohar Joshi
- D. Ashim Kumar Ghosh

Q91 New Apps & Portals

In May 2026, who among the following launched the Common Landing Portal for Unclaimed Financial Assets to facilitate easier access to information relating to unclaimed financial assets?

- A. Department of Financial Services ✓
- B. Department of Revenue
- C. Department of Banking Affairs
- D. Department of Economic Affairs

Q92 Recent Awards & Honors

In 2026, Indian entrepreneur Bharat Gite was honoured at the British Parliament with the "Global Inspiration of the Year 2026" award for contributions to which industry?

- A. Renewable energy storage systems
- B. Semiconductor design and fabrication
- C. Pharmaceutical manufacturing and exports
- D. Aluminium manufacturing and innovation ✓

Q93 Recent Tournaments

At the New Delhi 2026 World Para Athletics Grand Prix, which Indian para-athlete won the gold medal in the Men's Javelin Throw F43/44/64 event, leading India's podium sweep?

- A. Sandeep Chaudhary
- B. Devendra Jhajharia
- C. Amit Kumar Saroha
- D. Sumit Antil ✓

Q94 Recent Tournaments

Which country had hosted the 48th edition of the Dakar Rally 2026 conducted from 03 January to 17 January 2026 with the start and finish line located in Yanbu?

- A. Bahrain
- B. United Arab Emirates
- C. Saudi Arabia ✓
- D. Qatar

Q95 Science & Technology Current Affairs

In May 2026, the Indian Cyber Crime Coordination Centre (I4C) signed a Memorandum of Understanding (MoU) with which organization to strengthen AI-driven detection of mule accounts and combat cyber-enabled financial frauds?

- A. National Payments Corporation of India (NPCI)
- B. Indian Computer Emergency Response Team (CERT-In)
- C. Reserve Bank Innovation Hub (RBIH) ✓
- D. National Informatics Centre (NIC)

Q96 Science & Technology Current Affairs

Which initiative was announced on 22 December 2025 for establishing a Centre of Excellence to promote CRISPR-based innovation and enable translation of laboratory research into real-world clinical applications in India?

- A. National Centre for Genome Sequencing and Data Sharing
- B. Centre of Excellence for CRISPR Innovation and Translation ✓
- C. National Bio-Pharma Skill Development Programme
- D. Biotechnology Industry Research Assistance Council Innovation Hub



Q97 Species Conservation

Which tiger reserve is slated to become the third cheetah habitat in Madhya Pradesh, according to announcements in early 2026?

A. Veerangana Durgavati Tiger Reserve



B. Satpura Tiger Reserve

C. Bandhavgarh Tiger Reserve

D. Panna Tiger Reserve

Q98 Sports Current Affairs

Which cricketer had been awarded the ICC Men's Player of the Month title for December 2025 following outstanding performances in international cricket?

A. Justin Greaves

B. Pat Cummins

C. Mitchell Starc



D. Jacob Duffy

Q99 Sports Current Affairs

What is the primary objective of the Khelo India program as reflected through events like the Beach Games in Diu and Tribal Games in Chhattisgarh?

A. Establishing professional sports leagues

B. Expanding international sports participation

C. Promoting inclusivity and regional sports development



D. Increasing sports broadcasting in India

Q100 Summits & Conferences

In February 2026, at which venue in the United Arab Emirates was the 3rd International AYUSH Conference and Expo organized?

A. Qatar National Convention Centre, Doha

B. Sharjah Expo Centre, Sharjah

C. Dubai World Trade Centre (DWTC), Dubai



D. Abu Dhabi National Exhibition Centre, Abu Dhabi



General Science

25 Questions • Answer Key

Q1 Atomic Structure & Models

According to the Rutherford's model, what is the main characteristic of an atom's nucleus?

A. It is small, dense, and positively charged ✓

B. It contains only electrons

C. It is spread throughout the atom

D. It is large and negatively charged

Q2 Atomic Structure & Models

What does the atomic number of an element represent?

A. Number of neutrons only

B. Number of protons ✓

C. Number of isotopes

D. Number of electrons and neutrons

Q3 Cell Biology

A eukaryotic cell that performs its functions and undergoes programmed cell death when no longer required is best described as a _____.

A. Tumour cell

B. Malignant cell

C. Normal cell ✓

D. Bacterial cell

Q4 Cell Structure & Organelles

Which organelle is physically continuous with the nuclear envelope?

A. Lysosome

B. Golgi Body

C. Mitochondria

D. Endoplasmic Reticulum ✓

Q5 Classification of Organisms

A clinician differentiates two bacteria using the classification hierarchy: same order but different families. Which conclusion does this indicate?

A. They share order and family, but not genus or species

B. They share only the order level ✓

C. They share only the family level

D. They share order and class, but not family

Q6 Current Electricity (Ohm's Law, Circuits)

Two identical bulbs are connected in parallel to a battery. If one bulb burns out, what happens to the brightness of the other bulb?

A. Both bulbs turn off.

B. The brightness of the other bulb increases.

C. The brightness of the other bulb remains unchanged. ✓

D. The brightness of the other bulb decreases.

Q7 Ecosystem & Food Chain

Which of the following groups of organisms are NOT classified as consumers?

A. Carnivores

B. Producers ✓

C. Decomposers

D. Herbivores

Q8 Excretory System (Kidney)

Which of these structures carries urine from the kidneys to the bladder?

A. Urethra

B. Intestines

C. Ureters ✓

D. Trachea

Q9 Five Kingdom Classification

How does Paramecium ingest food?

A. By moving cilia toward a specific spot ✓

B. By changing its entire body shape

C. By extending temporary pseudopodia

D. By direct absorption across the surface



Q10 Five Kingdom Classification

In a comparative study, some unicellular organisms from a hay infusion display flexible shapes and engulf food particles, while others have a rigid outer covering and are green in color. Which conclusion best explains the observed differences?

- A. Monera have similar cell walls
- B. All protists are prokaryotic
- C. Protists vary in structure and nutrition ✓
- D. Chlorophyll is absent in all

Q11 Human Eye & Defects

Which of the following defects of vision is corrected using a concave lens?

- A. Hypermetropia
- B. Astigmatism
- C. Myopia ✓
- D. Presbyopia

Q12 Hydrocarbons (Methane, Ethane, etc.)

What sort of flame is produced when unsaturated carbon compounds are burnt in air?

- A. a blue flame with lots of black smoke
- B. a yellow flame with lots of black smoke ✓
- C. a yellow flame with no smoke
- D. a clean flame

Q13 Hydrocarbons (Methane, Ethane, etc.)

Which of the following is NOT a characteristic of substitution reactions in alkanes?

- A. One atom replaces another
- B. Multiple products may form
- C. Occurs in presence of sunlight
- D. Double bond is broken ✓

Q14 Important Gases & Uses

What is the main purpose of filling electric bulbs with nitrogen and argon gases?

- A. To make the bulb transparent
- B. To cool the filament rapidly
- C. To prolong the life of the filament ✓
- D. To increase the brightness of the bulb

Q15 Mechanics

Which method is appropriate for finding the distance travelled by an object when its velocity-time graph is a straight line sloping upwards from the origin?

- A. Read the final velocity value from the graph
- B. Subtract the initial time from the final time
- C. Calculate the area under the velocity-time graph for the given interval ✓
- D. Calculate the slope of the velocity-time graph

Q16 Mechanics

The force applied by a person to operate a machine is known as _____.

- A. Fulcrum
- B. Load
- C. Effort ✓
- D. Resistance

Q17 Metals & Non-Metals

Anodising is a process used to improve the appearance and durability of aluminium articles. Which of the following statements best explains the principle behind anodising?

- A. Aluminium is coated with zinc to prevent rusting.
- B. Aluminium is made the cathode in electrolysis to reduce oxide layer.
- C. Aluminium is made the anode and oxidised to form a thicker protective oxide layer. ✓
- D. Aluminium is dipped in alkali to increase its reactivity.

Q18 Mirrors & Lenses

For any object position, what can be said about the size of the image formed by a concave lens?

- A. It is always the same size as the object
- B. It is always magnified compared to the object
- C. It is sometimes enlarged and sometimes diminished
- D. It is always diminished compared to the object ✓

Q19 Mixtures, Solutions, Colloids

Which of the following is a characteristic of a colloidal solution?

- A. The solute particles settle down on standing.
- B. The solute particles scatter a beam of light but do not settle down. ✓
- C. The solute particles do not scatter a beam of light.
- D. The solute particles can be seen with the naked eye.



Q20 Newton's Laws of Motion

Which of the following best describes why the unit of force is chosen as newton?

- A. It makes mass and acceleration equal in value
- B. It makes the constant k in the formula " $F = k ma$ " equal to 1
- C. It changes the value of acceleration
- D. It simplifies the calculation of velocity

Q21 Properties & Tests

Which gas is usually released when acid reacts with metals?

- A. nitrogen
- B. chlorine
- C. hydrogen
- D. carbon dioxide

Q22 Respiratory System

Select the correct option regarding the following two statements labelled Assertion (A) and Reason (R).

Assertion (A): Carbon dioxide is a reactant in aerobic respiration.

Reason (R): Carbon dioxide is released during the oxidation of glucose.

- A. Both A and R are true, and R is the correct explanation of A
- B. Both A and R are true but R is not the correct explanation of A
- C. A is false, but R is true
- D. A is true, but R is false

Q23 Types (Combination, Decomposition, etc.)

Consider the reaction: $\text{HCl(aq)} + \text{NaOH(aq)} \rightarrow \text{NaCl(aq)} + \text{H}_2\text{O(l)}$

This reaction is best classified as which type of chemical reactions?

- A. Combination reaction
- B. Neutralization reaction
- C. Displacement reaction
- D. Decomposition reaction

Q24 Wave Properties (Frequency, Wavelength)

How does the human ear respond to frequencies below 20 Hz?

- A. The human ear converts low frequencies into high frequencies
- B. The human ear cannot hear frequencies below 20 Hz
- C. The human ear can hear all frequencies below 20 Hz
- D. The human ear amplifies only high frequencies

Q25 Work, Energy & Power

If a 4 kg object is moving at 3 m/s and another 2 kg object is moving at 6 m/s, which one has more kinetic energy?

- A. The 2 kg object moving at 6 m/s
- B. Neither object has kinetic energy
- C. Both objects have equal kinetic energy
- D. The 4 kg object moving at 3 m/s

Mathematics

25 Questions • Answer Key

Q26 2-Year Difference

A sum of ₹1,000 is invested for 2 years at 10% per annum. Find the difference between the compound interest and the simple interest (in ₹), if the interest is compounded annually.

- A. 20
- B. 10
- C. 30
- D. 40

Q27 Annual Compounding

At what rate of interest per annum will a sum of money become 40 times its original amount in 2 years, if the interest is compounded annually? (Give your answer correct to one decimal place.)

- A. 532.5%
- B. 537.9%
- C. 529.3%
- D. 538.3%



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Q28 Basic TSD

Kaushal travelled for 24 hours 56 minutes at the speed of 90 km/h. At what speed (in km/h) should he travel to cover the same distance in 17 hours?

A. 135

B. 132



C. 131

D. 130

Q29 CP-SP Relation

A vendor buys lemons at the rate of 28 for ₹1. How many lemons should he sell for ₹1 to earn a profit of 75%?

A. 18

B. 16



C. 20

D. 17

Q30 Combined Work Rate

Nitin can prepare one wooden shoe-stand in 2 days, and Pravin can prepare the same shoe-stand in 4 days. If they work together, in how many days will they prepare 117 shoe-stands?

A. 158

B. 160

C. 156



D. 152

Q31 Dividing Quantity in Ratio

A bag contains 50-paise, ₹1, and ₹2 coins in the ratio 2 : 5 : 8. If the total value of all the coins is ₹352, find the total number of coins in the bag.

A. 260

B. 240



C. 215

D. 235

Q32 False Weight

A dishonest dealer professes to sell his goods at C.P, but he cheats by 7% while purchasing and 9% while selling. What percent of profit does he gain?

A. 14%

B. 12.25%

C. 17.20%

D. 16.63%

**Q33 Find SI**

Find the simple interest (in ₹) on ₹1,500 at an interest rate of 3% per month in 4 months.

A. 15

B. 35

C. 30

D. 180

**Q34 Percentage Increase/Decrease**

The expenditure of Sudha is 150% more than her savings. If her expenditure decreases by 3% and savings increase by 21.5%, then by what percent does her income increase?

A. 1%

B. 4%



C. 6%

D. 3%

Q35 Rules for 2,3,4,5,6

What is the least value that must be assigned to A so that the number 604A4744 is divisible by 3?

A. 1



B. 4

C. 7

D. 8

Q36 Successive Discount

The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 66% and 81%, shop II allows successive discounts of 42% and 41%, shop III allows successive discounts of 57% and 99% and shop IV allows successive discounts of 35%, 32% and 15% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

A. IV

B. III



C. I

D. II



Q37 Train Problems

Two trains, P and Q, start from stations S and T towards each other. They take 4 hours 48 minutes and 3 hours 20 minutes to reach T and S, respectively. If train P is running at 45 km/hr, then the speed of train Q is:

- A. 60 km/hr
- B. 45 km/hr
- C. 50 km/hr
- D. 54 km/hr

**Q38 Two Persons Age Relation**

10 years ago, Elephant was five times older than Giraffe. Five years from now, the age of Elephant will be twice the age of the Giraffe. What was the sum of the age of Elephant and Giraffe five years ago?

- A. 35 years
- B. 50 years
- C. 45 years
- D. 40 years

**Q39 Weighted Average**

In a class, the average score of 25 students is 80. If the average score of 15 of these students is 85, what is the average score of the remaining students?

- A. 72
- B. 72.5
- C. 73
- D. 73.5

**Q40 $(a+b)^2$, $(a-b)^2$**

Find the value of $x + \frac{1}{x}$ if $\sqrt{x} + \frac{1}{\sqrt{x}} = 3$.

- A. 9
- B. 11
- C. 7
- D. 5

**Q41 Circle Area & Circumference**

The radius of a circle inscribed in a square is $5\sqrt{7}$ cm. Find the area (in cm^2) of the circumcircle.
(Use $\pi = \frac{22}{7}$)

- A. 550
- B. 1,000
- C. 1,155
- D. 1,100

**Q42 Mean Price**

A shopkeeper mixes two types of rice to sell as a single blend. He mixes 4 kg of Basmati rice priced at ₹120 per kg with 6 kg of Sona Masuri rice priced at ₹80 per kg. At what price per kg should he sell the mixture to make no profit or loss?

- A. ₹100
- B. ₹90
- C. ₹88
- D. ₹96



Q43 Mean of Grouped Data

If the mean of the following data is 47, then what is the value of x?

Class	20-30	30-40	40-50	50-60	60-70
Frequency	44	50	16	20	x

A. 80



B. 66

C. 68

D. 61

Q44 Order of Operations

Find the value of y, if $29 \times 6 \times 780 \div \sqrt{2704} = y + 602$

A. 2016

B. 1998

C. 2008



D. 2007

Q45 Pythagorean Identities

If $X = \frac{1 + \sec\theta + \tan\theta}{2\tan\theta}$, then the value of $\frac{\sec\theta - 1 + \tan\theta}{\sec\theta + \tan\theta}$ is:

A. X

B. $1 + X^2$ C. $\frac{1}{X}$ D. $1 + \frac{1}{X}$ **Q46** Rectangle & Square

The perimeter of a square is 28 cm, find its area.

A. 64 cm^2 B. 28 cm^2 C. 84 cm^2 D. 49 cm^2 

Q47 Sphere & Hemisphere

The surface area of a sphere is numerically equal to the volume of a hemisphere of radius $\frac{R}{2}$ cm. If the surface area of the sphere is $v \text{ cm}^2$, then find the value of $\left(\frac{12v}{\pi}\right)^{\frac{1}{3}}$ in terms of R .

A. R^2

B. R^3

C. $2R$

D. R

**Q48** Trigonometric Identities

If $4\cot A = 2$, then find the value of $\frac{1 - \tan^2 A}{1 + \tan^2 A}$.

A. $\frac{3}{5}$

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

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

D. $\frac{-3}{5}$

**Q49** Two Items Mixing

Rahul sells fruit juice by mixing fruit and water in the ratio of $17 : 8$. Since Rahul's juice tastes good, mixture by mixing m litres of water with 153 litres of fruit, following Rahul's recipe. Find the value of m .

A. 9

B. 5

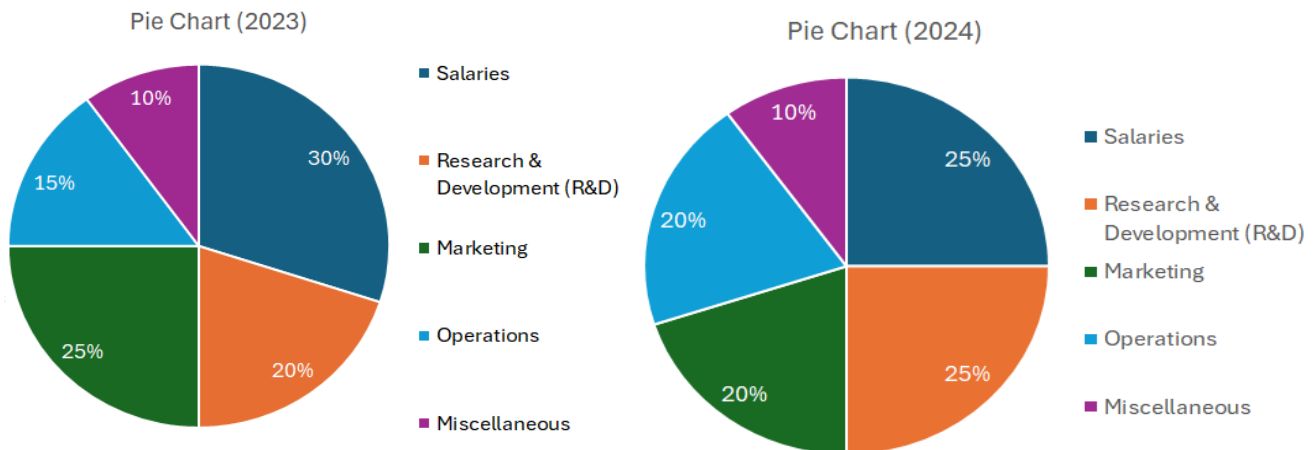
C. 3

D. 6



Q50 Year-on-Year Comparison

The two pie charts show the distribution of annual expenditure of a company for 2023 and 2024. The total expenditure was ₹4 crore in 2023 and ₹5 crore in 2024.



Which category recorded the highest increase in expenditure from 2023 to 2024?

- A. Operations
- B. Salaries
- C. Marketing
- D. Research & Development (R&D)



General Intelligence & Reasoning

30 Questions • Answer Key

Q51 Alphabetical Pattern

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

CGXA HLTE MQPI RVLM WAHQ ?

- A. BFDU
- B. CEDU
- C. CEEV
- D. BFEV



Q52 Day of Week Assignment

Each of Kavita, Mini, Tinku, Shiv, Alok, Rinku, and Farheen has exam on a different day of a week starting from Monday and ending on Sunday of the same week. Only one person has exam between Shiv and Alok. Only two people have exam between Mini and Kavita. Tinku does not have exam on any of the days after Alok. Only two people have exam between Rinku and Mini. Only three people have exam before Mini. Rinku does not have exam on any of the days after Kavita. Farheen does not have exam immediately after Shiv.

Three of the following four options are alike in a certain way based on the given arrangement and thus form a group. Which is the one that does NOT belong to that group?

- A. Shiv and Alok
- B. Shiv and Mini
- C. Alok and Farheen
- D. Rinku and Tinku



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Q53 Day of Week Assignment

Each of G, H, I, B, C, D and E has exam on a different day of a week, starting from Monday and ending on Sunday of the same week.

Only four people have exam between H and B. E has exam on Friday. Only two people have exam between B and E. I has exam immediately after D. C doesn't have exam on Monday.

How many people have exam between C and G?

A. Four



B. One

C. Three

D. Two

Q54 Direct Relations

K is the sister of H. M is the wife of L. H is the brother of M. L is the father of Z. How is K related to Z?

A. Sister's husband

B. Mother's sister



C. Wife's father

D. Brother's wife

Q55 Floor/Building Arrangement

Seven boxes I, J, K, Q, R, S and T are kept one over the other but not necessarily in the same order. Only three boxes are kept above R. Only two boxes are kept between R and T. Only S is kept above I. J is kept at some place below Q and at some place above K. How many boxes are kept between Q and T?

A. Four

B. One

C. Two

D. Three

**Q56 Letter to Number Mapping**

In a certain code language, 'OVEN' is coded as '6218' and 'MOVE' is coded as '5621'. What is the code for 'N' in the given code language?

A. 1

B. 5

C. 8



D. 2

Q57 Letters Between Two Positions

This question is based on the given words.

LOG ZAG IVY DON

How many letters are there in the English alphabetical order between the second letter of the second word from the right and the first letter of the second word from the left?

A. 2

B. 3



C. 5

D. 4

Q58 Letters in a Given Word

Each vowel in the word EPIDERM 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. None

B. Two

C. Three

D. One

**Q59 Letters in a Given Word**

This question is based on the given words.

CAT ARM RAG FAT

If in each of the words, each letter is changed to the letter immediately following it in the English alphabetical order, how many group of letters thus formed will have no vowel?

A. None

B. One

C. Two



D. Three

Q60 Missing Number

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

1 2 4 7 11 ?

A. 14

B. 16



C. 15

D. 18



Q61 Number Series

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

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

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

A. 5

B. 6



C. 8

D. 7

Q62 Number Series

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

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

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

A. Three

B. Four

C. Two

D. One

**Q63 Operation Based**

58 is related to 405 following a certain logic. Following the same logic, 67 is related to 468. To which of the given options is 91 related, following the same logic?

(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 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.)

A. 644

B. 652

C. 663

D. 636

**Q64 Operation Based**

Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number result(s) in the second number. Similarly, certain mathematical operation(s) on the second number result(s) in the third number and so on. Which of the given options follows the same set of operations as in the given sets?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. For example, 13 — operations such as adding, subtracting, multiplying, etc., can be performed on 13 as a whole. Breaking down 13 into 1 and 3 and then performing operations on 1 and 3 is not allowed.)

5 – 25 – 35 – 70;

6 – 36 – 46 – 92

A. 7-49-59-118



B. 4-16-32-42

C. 8-16-32-42

D. 3-9-18-27

Q65 Operator Swap

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

$(4 \div 2) + 2 - 14 + 18 \times 2 - 24 = ?$

A. 45

B. 30

C. 40

D. 35

**Q66 Operator Swap**

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

$36 - 1 \div 9 + 6 \times 6 = ?$

A. 46

B. 45

C. 44



D. 42



Q67 Operator Swap

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

$$15 \times 4 + 6 - 3 \div 2 = ?$$

- A. 11
- B. 50
- C. 15
- D. 53

**Q68 Pattern Based**

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: OUC :: RTF : %

- A. # = NWD, % = SRG
- B. # = NVD, % = QGN
- C. # = PWD, % = QRE
- D. # = PWE, % = SUE

**Q69 Pattern Based**

Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

BNG : DQI

UCF : WFH

- A. ZLE : BOH
- B. TBQ : UDT
- C. SAI : TDK
- D. QOM : SRO

**Q70 Pattern Based**

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

NS-LQ-JM

RW-PU-NQ

- A. GL-EJ-CF
- B. BF-DH-FJ
- C. TR-QP-NM
- D. AB-CD-EF

**Q71 Position Pattern**

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. VO - DF
- B. PI - XZ
- C. JC - RT
- D. UM - CE

**Q72 Position Pattern**

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

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

- A. RTV
- B. DFH
- C. LMQ
- D. KMO

**Q73 Rearrangement of Letters**

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

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

**Q74 Single Row (One-way/Both-way)**

Six friends E, F, G, H, L and M are sitting in a straight line facing north. Only two people sit to the left of L. Only two people sit between L and F. M sits second to the left of F. Only two people sit between M and E. L sits at some place to the right of H but at some place to the left of G. How many people sit to the left of G?

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



Q75 Single Row (One-way/Both-way)

Seven students I, J, K, P, Q, R and Z are sitting in a row facing north. Z sits to the immediate left of P. Only two people sit to the left of J. Only three people sit between J and Q. Only one person sits between Q and K. R is not an immediate neighbor of Q. How many people sit to the right of I?

A. Four

B. One



C. Two

D. Three

Q76 Symbol Based

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'
A ÷ B means 'A is the father of B'

Based on the above, how is Q related to H if 'Q + W # R ÷ G @ H'?

A. Husband

B. Father

C. Son

D. Brother

**Q77 Symbol Included Pattern**

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

(Left) S N \$ \$ F \$ G © Y X M * M G # € \$ & M # Y Y (Right)
How many such letters are there, each of which is immediately preceded by a symbol and also immediately followed by a symbol?

A. Three



B. Two

C. Four

D. Five

Q78 Two Statement Sufficiency

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and select the appropriate answer.

Q. Among five people – G, H, I, J, and K – who is the youngest?

(I) H is older than G and I but younger than J.

(II) K is younger than J but older than H.

A. Data in statement II alone is sufficient to answer the question while data in statement I is not.

B. Data in statement I alone is sufficient to answer the question while data in statement II is not.

C. Both statements I and II together are NOT sufficient to answer the question.



D. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.

Q79 Two Statement Syllogism

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

Statements:

All buses are planes.

Some planes are trains.

Conclusions:

(I) Some buses are trains.

(II) Some trains are planes.

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

B. Only conclusion (II) follows.



C. Only conclusion (I) follows.

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



Q80 Two Statement Syllogism

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

Statements:

Some huts are dens. No den is a cave.

Conclusions:

- (I) Some huts are caves.
(II) Some dens are huts.

A. Only conclusion (II) follows.



B. Only conclusion (I) follows.

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

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

General Awareness

20 Questions • Answer Key

Q81 Cricket (IPL, WC, etc.)

Which team did Jammu and Kashmir overcome to claim their first-ever Ranji Trophy title in the 2025–26 season?

A. Bengal

B. Mumbai

C. Karnataka



D. Punjab

Q82 Cricket (IPL, WC, etc.)

Which African city hosted the final match of the 2026 ICC Under-19 Men's Cricket World Cup on 6 February 2026?

A. Cairo

B. Nairobi

C. Harare



D. Lagos

Q83 Cricket (IPL, WC, etc.)

Which country was defeated by India in the final of the ICC Under-19 Men's Cricket World Cup 2026?

A. Australia

B. England



C. Pakistan

D. South Africa

Q84 Defense & Technology

Which vessel was commissioned into the Indian Navy in February 2026 at Chennai Port as the fourth ship of the Anti-Submarine Warfare Shallow Water Craft (ASW-SWC) project?

A. INS Arihant

B. INS Vikrant

C. INS Kamorta

D. INS Anjadip

**Q85 Governor & Chief Minister**

In State of Tamil Nadu v. Governor of Tamil Nadu, what did the Supreme Court rule regarding the Governor's powers over state legislation?

A. The Governor must act on state bills and cannot refuse or delay them indefinitely



B. Governor can exercise pocket veto indefinitely

C. Governor has absolute veto power

D. Governor can amend bills before assent and can send the bill back to the assembly

Q86 Health & Environment Days

What was the theme of world earth day 2026 observed on April 22?

A. Restore our Earth

B. Our Power, Our Planet



C. Invest In Our Planet

D. Planet vs. Plastics



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Q87 International Awards

At the 79th British Academy Film Awards (BAFTA) 2026, held at the Royal Festival Hall in London, which actor won the Best Leading Actor award for his performance in 'I Swear'?

- A. Ethan Hawke
- B. Wagner Moura
- C. Robert Aramayo ✓
- D. Sean Penn

Q88 Military Exercises

Which Indian armed force took part in the multinational exercise INIOCHOS-25 in Greece in 2025?

- A. National Security Guard
- B. Indian Air Force ✓
- C. Indian Coast Guard
- D. Indian Navy

Q89 Missile Tests & Systems

In May 2026, DRDO successfully conducted a long-duration test of which indigenously developed propulsion component, marking a major breakthrough in hypersonic missile technology?

- A. Cryogenic Rocket Engine
- B. Ramjet Propulsion Module
- C. Solid Rocket Booster Motor
- D. Actively Cooled Full Scale Scramjet Combustor ✓

Q90 National Current Affairs

Between January and April 2026, the Railway Protection Force (RPF) rescued and protected vulnerable children under which nationwide initiative?

- A. Operation Nanhe Farishte ✓
- B. Operation Smile
- C. Mission Vatsalya
- D. Operation Muskaan

Q91 National Themed Days

On 25th January 2026, the National Voters' Day was celebrated with which of the following themes?

- A. My Democracy, My Duty
- B. My India, My Vote ✓
- C. My Nation, My Voice
- D. My Country, My Right

Q92 New Guidelines & Regulations

Which of the following launched Unified Markets Interface for Tokenized Finance in October 2025?

- A. Tourism Finance Corporation of India (TFCI) Ltd.
- B. Reserve Bank of India ✓
- C. Infrastructure Development Finance Company (IDFC) Ltd.
- D. Securities and Exchange Board of India

Q93 Rankings & Reports

Which Ministry had released the thematic SDG Bulletin reports titled "Planet in Focus: Advancing Environmental Sustainability under the SDGs" and "Delivering Prosperity at Scale: India's Economic Transformation through the SDGs" in March 2026?

- A. NITI Aayog
- B. Ministry of Environment, Forest and Climate Change
- C. Ministry of Statistics and Programme Implementation ✓
- D. Ministry of Finance

Q94 Recent Awards & Honors

In January 2026, which RPF officer was conferred the Ati Vishisht Rail Seva Puraskar, the highest service honour of Indian Railways, for her outstanding work in rescuing children from child labour and trafficking?

- A. Neelam Verma
- B. Anita Sharma
- C. Chandana Sinha ✓
- D. Madhuri Kumari

Q95 Recent Tournaments

Which of the following cities hosted the first chapter of the Khelo India Winter Games, 2026, for ice sports (Ice Hockey & Ice Skating)?

- A. Gulmarg
- B. Shimla
- C. Manali
- D. Leh ✓



Q96 Right to Equality (Art 14-18)

In a landmark judgment delivered on May 21, 2026, the Supreme Court ruled on the regularisation of contract workers, specifically concerning a 2012 Office Memorandum (OM) by the Government of Assam. Which of the following Articles did the Court rule, was getting violated?

A. Article 14



B. Article 15

C. Article 19

D. Article 21

Q97 Science & Technology Current Affairs

In December 2025, Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Bengaluru and CRISPRBITS Pvt. Ltd. established which Centre for Collaborative Innovation and Translation?

A. Centre for Genetic Research and Development

B. Centre for Biotechnology Studies

C. Centre of Excellence for CRISPR Innovation and Translation



D. Centre for Biomedical Science and Technology

Q98 Species Conservation

In 2026, Indian conservation scientist Parveen Shaikh received the prestigious Whitley Award for her work in protecting which endangered bird species in the Ganga basin?

A. Great Indian Bustard

B. Sarus Crane

C. Indian Skimmer



D. Bengal Florican

Q99 Summits & Conferences

At the 2026 India-AI Impact Summit, which three pillars were emphasized to promote AI for sustainable development in climate action?

A. Innovation, Impact, and Integrity

B. Governance, Growth, and Green

C. People, Planet, and Progress



D. Technology, Economy, and Equity

Q100 Summits & Conferences

At which summit did India and the United States sign the Pax Silica Declaration in February 2026?

A. Bletchley Park AI Safety Summit 2026

B. Global Partnership on Artificial Intelligence Summit 2026

C. India AI Impact Summit 2026



D. World Government Summit 2026



General Science

25 Questions • Answer Key

Q1 Animal Kingdom (Phyla Overview)

A zoologist observes a fixed aquatic animal with no tissue differentiation but efficient water filtration. Which of the following is most likely to happen if this animal was placed in a terrestrial environment?

- A. It would use tentacles to trap moisture
- B. It would desiccate due to inability to retain water ✓
- C. It would move to moist areas for survival
- D. It would close its pores to prevent drying

Q2 Atomic Structure & Models

Which of the following elements has a mass number of 40 and atomic number of 20?

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

Q3 Atoms & Molecules

Which of the following is a correct statement about molecules of elements?

- A. They consist of two or more atoms of the same element. ✓
- B. They are always monoatomic.
- C. They consist of two or more atoms of different elements.
- D. They can only exist in solid form.

Q4 Basic Organic Chemistry

Alcohol is added to petrol mainly because it is a:

- A. Cleaner fuel additive ✓
- B. Heavier fuel additive
- C. Denser fuel additive
- D. Stronger fuel additive

Q5 Cell Structure & Organelles

Which structure in an animal cell acts as the control centre and contains the genetic material?

- A. Endoplasmic reticulum
- B. Vacuole
- C. Nucleus ✓
- D. Ribosome

Q6 Cell Structure & Organelles

Complete the analogy.

Mitochondria : Energy Release :: Chloroplast :

- A. Food Synthesis ✓
- B. Genetic Transfer
- C. Cell Digestion
- D. Waste Removal

Q7 Chemical Bonding (Ionic, Covalent)

What type of bond is formed between a metal and a non-metal?

- A. Ionic bond ✓
- B. Hydrogen bond
- C. Metallic bond
- D. Covalent bond

Q8 Ecosystem & Food Chain

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

- A. They break down organic substances into simple inorganic substances ✓
- B. They convert solar energy into chemical energy
- C. They occupy the first trophic level
- D. They increase atmospheric pollution

Q9 Ecosystem & Food Chain

Which of the following organisms is likely to occupy more than one trophic levels?

- A. Deer
- B. Tiger
- C. Rabbit
- D. Peacock ✓



Q10 Endocrine System (Hormones & Glands)

Which of the following is secreted directly into the blood and carried to different parts of the body?

A. Adrenaline



B. Saliva

C. Pancreatic juice

D. Bile juice

Q11 Household Wiring & Safety

Why are all appliances in a domestic circuit connected in parallel?

A. To save electricity in the household

B. To reduce the number of switches needed

C. To ensure each appliance gets equal potential difference



D. To prevent short-circuiting in wires

Q12 Magnetic Effects of Current

A student wants to design a device where the magnetic field due to a straight conductor is maximized at a certain point. Which modification will be most effective in increasing the field strength at that point?

A. Increase the thickness of the wire

B. Place the conductor horizontally

C. Increase the current through the conductor



D. Use a non-magnetic wire material

Q13 Mechanics

While operating a lever, which part serves as the fixed point around which the lever rotates?

A. Fulcrum



B. Effort arm

C. Load

D. Effort

Q14 Mechanics

If a car moves with a speed of 10 m/s for 5 seconds, what distance does it cover?

A. 15 meters

B. 50 meters



C. 100 meters

D. 5 meters

Q15 Mechanics

Which of the following best describes the slope of the velocity-time graph for uniform velocity?

A. The slope is negative and constant

B. The slope changes at every point

C. The slope is positive and constant

D. The slope is zero at all points

**Q16 Mechanics**

Which statement best describes the mechanical advantage of a simple machine?

A. The energy supplied to the machine

B. The rate at which the machine performs work

C. The ratio of the load lifted to the effort applied



D. The amount of work done by the machine

Q17 Mirrors & Lenses

Which scenario best illustrates the use of a convex mirror based on the nature of its image?

A. A model uses it as a makeup mirror

B. A scientist uses it to focus sunlight for heating

C. A student uses it to obtain a real, inverted image on paper

D. A shopkeeper uses it to monitor a wide area inside the store

**Q18 Mirrors & Lenses**

A student places a small object 20 cm from a concave mirror of focal length 10 cm. According to the mirror formula, what will be the image distance?

A. 20 cm in front of the mirror



B. 10 cm behind the mirror

C. 25 cm behind the mirror

D. 15 cm in front of the mirror

Q19 Mixtures, Solutions, Colloids

Which of the following mixtures shows the Tyndall effect but the particles settle down on standing?

A. Colloid

B. Suspension



C. Solution

D. Compound



Q20 Nervous System & Brain

Which organ sends messages to muscles to carry out voluntary actions like writing or moving a chair?

- A. Lungs
- B. Brain
- C. Heart
- D. Stomach

Q21 Pollution (Air, Water, Soil, Noise)

A city implements stricter vehicle emission norms, reducing smog and ground-level ozone formation. Which spheres of earth are directly influenced by this policy?

- A. Lithosphere and atmosphere
- B. Atmosphere and biosphere
- C. Lithosphere and hydrosphere
- D. Hydrosphere and biosphere

Q22 Properties & Tests

A reaction between an acid and a base produces:

- A. Hydrogen gas and metal
- B. Salt and water
- C. Only water
- D. Only salt

Q23 Reflection & Refraction

A student wants to design an experiment to demonstrate the dispersion of white light using a glass prism. Which of the following procedures would best achieve this goal?

- A. Rotate a glass prism randomly in front of a white light source and record any color changes
- B. Pass white light through a convex lens and look for color changes on a distant wall
- C. Place a triangular glass prism in the path of a narrow white light beam and observe the emerging spectrum on a white screen
- D. Use a concave mirror to reflect the white light onto a wall

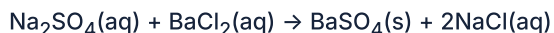
Q24 Types (Combination, Decomposition, etc.)

Calcium carbonate is heated to produce calcium oxide and carbon dioxide; this is a type of:

- A. substitution reaction
- B. decomposition reaction
- C. displacement reaction
- D. addition reaction

Q25 Types (Combination, Decomposition, etc.)

Consider the reaction:



Which feature of this reaction justifies classifying it specifically as a precipitation reaction?

- A. Sodium chloride remains dissolved in water
- B. Two ionic compounds exchange partners
- C. Reactants exist initially as aqueous solutions
- D. Insoluble barium sulphate forms in solution

Mathematics

25 Questions • Answer Key

Q26 Annual Compounding

At what rate of interest per annum will a sum of money become 57 times its original amount in 2 years, if the interest is compounded annually? (Round off your answer to the nearest integer.)

- A. 653%
- B. 660%
- C. 655%
- D. 662%

Q27 Average Speed

A car starts at a speed of 52 km/hr and increases its speed for every 30 minutes by 7 km/hr. Find the average speed (in km/hr) of the car for 3 hours.

- A. 70.2
- B. 69.5
- C. 65.6
- D. 60.8



Q28 Boat and Stream

S1, S2 and S3 are three shops in a straight line on a river, which flows at a constant speed from S1 towards S3. S2 is equidistant between S1 and S3. Seerat rows his boat to purchase an item from S1 to S2 and back in 12.5 hours and he can row from shop S1 to S3 in 9.5 hours. Compare the speed of his boat in still water to that of the river.

A. 25 : 6



B. 8:1

C. 8:3

D. 25 : 8

Q29 Combined Work Rate

Varun can prepare one wooden table in 2 days, and Ashish can prepare the same table in 4 days. If they work together, in how many days will they prepare 123 tables of the same kind?

A. 166

B. 164



C. 168

D. 160

Q30 Find SI

Find the simple interest (in ₹) on ₹1,500 at an interest rate of 3% per month in 3 months.

A. 31.25

B. 11.25

C. 135



D. 22.50

Q31 Finding Present Age

A's age is 5 years more than twice B's age. If B is 8 years old, what is A's age?

A. 18 years

B. 16 years

C. 21 years



D. 19 years

Q32 Finding Ratio

In what ratio must rice at ₹20/kg be mixed with rice at ₹30/kg so that the average price is ₹25/kg?

A. 3 : 2

B. 1 : 1



C. 5 : 3

D. 2 : 3

Q33 Finding Value from Percentage

In an election between two candidates, 18% of the registered voters did not cast their votes, and 750 of the votes cast were declared invalid. The winning candidate secured 70% of the valid votes and won by a margin of 4,620 votes. Find the total number of registered voters.

A. 15,600

B. 16,200

C. 16,700

D. 15,000

**Q34 Parallelogram & Rhombus**

The diagonals of a rhombus measure 30 cm and 40 cm. Find the area and perimeter of the rhombus.

A. Perimeter = 100 cm, Area = 500 cm²

B. Perimeter = 140 cm, Area = 800 cm²

C. Perimeter = 130 cm, Area = 700 cm²

D. Perimeter = 100 cm, Area = 600 cm²

**Q35 Percentage Increase/Decrease**

The expenditure of Sudha is 150% more than her savings. If her expenditure decreases by 12% and savings increase by 37%, then by what percent does her income increase?

A. 7%

B. 5%

C. 2%



D. 3%

Q36 Prime & Composite Numbers

Which of the following number pairs is NOT co-prime?

A. (137, 221)

B. (143, 286)



C. (211, 337)

D. (101, 107)

Q37 Profit/Loss Percentage

A vendor bought lemons at 28 for a rupee. How many must he sell for a rupee to gain 40%?

A. 21

B. 22

C. 20



D. 24



Q38 Rules for 7,8,9,11

What is the value that must be assigned to A so that the number 391A6922 is divisible by 11?

A. 7

B. 3



C. 6

D. 5

Q39 Simple Ratio Partnership

Rishabh and Neha started a business together. Rishabh invested ₹21,000 and Neha invested ₹35,000. At the end of two years, they earned a profit of ₹10,000. Find the share of Neha in the total profit.

A. ₹6,205

B. ₹6,025

C. ₹6,520

D. ₹6,250

**Q40 Successive Discount**

The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 12% and 37%, shop II allows successive discounts of 54% and 63%, shop III allows successive discounts of 28% and 83% and shop IV allows successive discounts of 19%, 59% and 25% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

A. I

B. III



C. IV

D. II

Q41 Two Successive Changes

Arvind's income at first increased by 19% and later on increased again by 10%. Find the total percentage increase.

A. 28.2%

B. 30%

C. 30.9%



D. 29%

Q42 Ungrouped Data Median

The following numbers are given in ascending order of their magnitudes.

20, 22, 25, 30, $x - 11$, $x - 8$, $x - 3$, 52, 60 and 68. Find the value of x if the median of the data is 39.

A. 48.5



B. 46.7

C. 44.6

D. 43.5

Q43 Volume

A cylindrical tank of radius 7 cm contains water up to a height of 20 cm. This water is poured into another cylindrical tank of radius 14 cm. What is the height of water in the second tank?

A. 8 cm

B. 5 cm



C. 6 cm

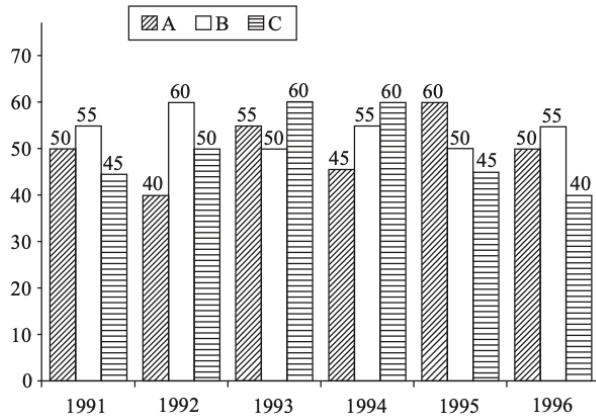
D. 7 cm



Q44 Bar Graph

Study the given graph carefully and answer the question that follows.

Production of scooters by three companies in a year (in 1000s)



What is the percentage decrease in production of scooters of company B from 1992 to 1993 rounded off to one decimal place?

A. 16.7%



B. 17.2%

C. 19.2%

D. 18.3%

Q45 Congruence & Similarity

$\triangle DEF$ and $\triangle XYZ$ are two triangles such that $\triangle XYZ \cong \triangle FDE$. If $XY = 23$ cm $\angle Y = 68^\circ$ and $\angle X = 43^\circ$, then which of the following options is correct?

A. $DE = 23$ cm, $\angle E = 69^\circ$

B. $DE = 23$ cm, $\angle D = 69^\circ$

C. $DF = 23$ cm, $\angle E = 69^\circ$



D. $DF = 23$ cm, $\angle D = 69^\circ$

Q46 Laws of Indices

If $3^{(n+1)} = 27 \times 9^n$, find the value of n .

A. 2

B. -2



C. 6

D. 4



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Q47 Mean of Grouped Data

What is the value of $(7x + 4y)$, if mean of the following distribution is 53?

Class	0-20	20-40	40-60	60-80	80-100	Total
Frequency	2	10	x	4	y	40

A. 144



B. 124

C. 133

D. 154

Q48 Pythagorean Identities

Simplify: $\frac{\cot A + \operatorname{cosec} A - 1}{\cot A - \operatorname{cosec} A + 1}$

A. $\frac{\cos A}{\sin A}$ B. $\frac{1 + \cos A}{\sin A}$ C. $\frac{1 - \cos A}{\sin A}$ D. $\frac{1 - \operatorname{cosec} A}{1 + \operatorname{cosec} A}$ **Q49** Pythagorean Identities

If $\sec \alpha + \tan \alpha = 9$, then $\tan \alpha$ is:

A. $\frac{81}{80}$ B. $\frac{80}{81}$ C. $\frac{9}{40}$ D. $\frac{40}{9}$ **Q50** Ratio Simplification

If the value of A:B:C is 3:5:6, then $\frac{A}{B} : \frac{B}{C} : \frac{C}{A}$ is equal to:

A. 12:34:65

B. 15:25:62

C. 18:25:60



D. 12:25:55



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Q51 Both Needed Together

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and select the appropriate answer.

Q. Five friends – R, S, T, U, and V – are sitting around a circular table facing the centre. Who is sitting immediately to the right of R?

(I) S sits immediately to the left of R, and T sits immediately to the right of U.

(II) U is an immediate neighbour of both T and V.

A. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question. ✓

B. Data in statement II alone is sufficient to answer the question while data in statement I is not.

C. Both statements I and II together are NOT sufficient to answer the question.

D. Data in statement I alone is sufficient to answer the question while data in statement II is not.

Q52 Facing Center

A, B, C, D, E and F are sitting around a circular table, facing the centre.

F sits third to the right of A. D sits to the immediate left of E. E is not an immediate neighbour of A. B sits to the immediate right of C.

The position(s) of how many persons will remain unchanged if all persons are arranged in alphabetical order in clockwise direction starting from A?

A. Four ✓

B. Two

C. Three

D. One

Q53 Floor/Building Arrangement

P, Q, R, S, T and U live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on, till the topmost floor, which is numbered 6.

U lives on the topmost floor. Only three people live between U and Q. P lives on a floor below Q. S lives on an even-numbered floor. R lives on an odd-numbered floor but not on floor number 5.

How many people live between T and Q?

A. Four

B. Two ✓

C. One

D. Three

Q54 Floor/Building Arrangement

Seven boxes I, J, K, Q, R, S and T are kept one over the other but not necessarily in the same order. Only four boxes are kept above K. Only one box is kept above Q. Only one box is kept between Q and I. R is kept immediately above J. S is kept at some place below T. How many boxes are kept between T and J?

A. Four

B. Five ✓

C. Three

D. Two

Q55 Group Pattern

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

AHYK XDPC UZGU RVKZ ?

A. PRPE

B. OROE ✓

C. OSOD

D. PSPD

Q56 Letters Between Two Positions

This question is based on the given words.

ZED OWL LAG JAM

How many letters are there in the English alphabetical order between the third letter of the third word from the right and the first letter of the first word from the left?

A. 14

B. 12

C. 13 ✓

D. 16

Q57 Letters in a Given Word

This question is based on the given words.

APE CAR FAR RED

If in each of the words, each letter is changed to the letter immediately following it in the English alphabetical order, how many group of letters thus formed will have no vowel?

A. None

B. Two

C. Three ✓

D. One



Q58 Linear Family Relations

V is the wife of M. M is the father of L. P is the brother of G. L is the sister of P. How is V related to G?

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

**Q59 Mathematical Operations**

Each of the digits in the number 8231954 is arranged in ascending order from left to right. What will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

- A. 11
- B. 9
- C. 12
- D. 10

**Q60 Missing Number**

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

33, 37, 45, 57, 73 ?

- A. 94
- B. 93
- C. 92
- D. 95

**Q61 Number Series**

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

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

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

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

**Q62 Operation Based**

Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number result(s) in the second number. Similarly, certain mathematical operation(s) on the second number result(s) in the third number and so on. Which of the given options follows the same set of operations as in the given sets?

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

4 - 14 - 28 - 42;

2 - 12 - 24 - 36

A. 7 - 17 - 34 - 51



B. 6 - 36 - 72 - 82

C. 3 - 13 - 26 - 52

D. 5 - 25 - 50 - 75

Q63 Operation Based

71 is related to 427 following a certain logic. Following the same logic, 85 is related to 511. To which of the given options is 93 related, following the same logic?

(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 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.)

A. 597

B. 542

C. 580

D. 559

**Q64 Pattern Based**

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

IWD : LYE

RAU : UCV

A. LES : OGT



B. GOX : JQZ

C. HYR : KAL

D. JTA : MVA



Q65 Pattern Based

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: QMG :: XKR : %

A. # = ONH, % = ZHQ

B. # = ONF, % = ZJS

C. # = SNF, % = UJS

D. # = SOF, % = UMP

Q66 Pattern Based

JUVM is related to YJKB in a certain way based on the English alphabetical order. In the same way, RCDU is related to GRSJ. To which of the following options is KVWN related, following the same logic?

A. ZKLC

B. ZCLO

C. ZLKI

D. ZKLO

Q67 Position Pattern

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. DFI

B. HJL

C. PRU

D. KMP

Q68 Position Pattern

Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

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

A. MKJ

B. XVT

C. OML

D. IGF

Q69 Position from Left/Right

Giya ranked 22nd from the bottom and 27th from the top in his class. How many students are there in his class?

A. 45

B. 46

C. 47

D. 48

Q70 Rearrangement of Letters

Each letter in the word VARLETS 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. M

B. T

C. S

D. U

Q71 Rearrangement of Letters

Each letter in the word DISPLACE 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. M

B. J

C. E

D. F

Q72 Shortest Distance

Mr. Tosi starts from Point A and drives 17 km towards the south. He then takes a right turn, drives 25 km, turns right and drives 24 km. He then takes a right turn and drives 29 km. He takes a final right turn, drives 7 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 4 km to the north

B. 4 km to the west

C. 6 km to the south

D. 5 km to the east



Q73 Single Row (One-way/Both-way)

Seven students, I, J, K, P, Q, R and Z, are sitting in a row, facing north.
Only I sits to the right of R. Only three people sit to the left of Z. Only three people sit between R and K. P sits at some place to the left of J but at some place to the right of Q.
How many people sit between Q and J?

A. Two

B. Four

C. Three



D. One

Q74 Symbol Based

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

B. Wife's father

C. Wife's brother



D. Father

Q75 Symbol Included Pattern

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

(Left) 6 N % 4 & H 7 @ 3 S 6 # G F ! 5 R 3 * D \$ (Right)

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

A. Three

B. None

C. Two



D. One

Q76 Symbol Included Pattern

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

(Left) M \$ D = < B U % G P + K & V # L T N @ F £ * N
(Right)

How many such symbols are there, each of which are immediately preceded by a symbol and immediately followed by a letter?

A. None

B. One

C. Three

D. Two

**Q77 Symbol Substitution**

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

17 P 7 Q 5 S 5 R 16 = ?

A. 16

B. 10

C. 9

D. 8

**Q78 Symbol Substitution**

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

48 R 4 S 7 = ?

A. 21

B. 20

C. 19



D. 18



Q79 Two Statement Sufficiency

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Question: A, B, C, D, and E have scored different marks. Among them, who scored the second highest?

Statements:

- (I) D scored more than B, C, and A but less than E.
(II) C scored more than A and B.

- A. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.
- B. Both statements I and II together are NOT sufficient to answer the question
- C. Data in Statement I alone is sufficient to answer the question while data in statement II is not ✓
- D. Data in Statement II alone is sufficient to answer the question while data in statement I is not

Q80 Two Statement Sufficiency

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements is sufficient to answer the question. Read both the statements and select the appropriate answer.

Q. Ari, Bitu, Cema, Dani and Eta are sitting around a circular table, facing the centre. Who sits to the immediate right of Dani?

- (I) Dani sits second to the right of Cema. Eta sits second to the right of Dani.
(II) Eta sits to the immediate left of Cema. Dani sits third to the left of Cema.

- A. Data in statement II alone is sufficient to answer the question while data in statement I is not.
- B. Data in statements I and II together are NOT sufficient to answer the question. ✓
- C. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.
- D. Data in statement I alone is sufficient to answer the question while data in statement II is not.

General Awareness

20 Questions • Answer Key

Q81 Civilian Awards

In 2026, Prime Minister Narendra Modi received the "Agricola Medal" from which international organization?

- A. UNESCO
- B. International Monetary Fund (IMF)
- C. World Bank
- D. Food and Agriculture Organization (FAO) ✓

Q82 Constitutional Posts

Who among the following took oath as the Chief Minister of Tamil Nadu in India in May 2026?

- A. M. K. Alagiri
- B. C. Joseph Vijay ✓
- C. Edappadi K. Palaniswami
- D. K. Annamalai

Q83 Corporate & Organizational Heads

Which senior IAS officer was appointed as the new chief of the Directorate General of Civil Aviation in 2026?

- A. Ashok Lahiri
- B. Shashi Shekhar Vempati
- C. Vir Vikram Yadav ✓
- D. Sanjay Kumar

Q84 Defense & Technology

Which indigenous artillery system received DAC approval in March 2026 to enhance the Indian Army's capability to engage targets at longer ranges with enhanced lethality?

- A. M-777 Howitzer
- B. Dhanush Gun System ✓
- C. T-90 Gun System
- D. Pinaka Mk-II System

Q85 Individual Records

In February 2026, Indian weightlifter Mirabai Chanu broke three national records after returning to competition. In which women's weight category did she achieve this feat?

- A. 72 Kg
- B. 54 Kg
- C. 48 kg ✓
- D. 68 Kg



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Q86 Key Announcements

Which state government allocated funds in its 2026–27 Budget for the comprehensive development of Jain, Buddhist, and Sikh communities, including a monthly honorarium for Buddhist Dhammacharis?

- A. Telangana
- B. Tamil Nadu
- C. Karnataka ✓
- D. Maharashtra

Q87 Missile Tests & Systems

Which of the following organisations successfully conducted the maiden flight-tests of the Integrated Air Defence Weapon System (IADWS) in August 2025?

- A. Indian Space Research Organisation
- B. Defence Research and Development Organisation ✓
- C. Bharat Dynamics Limited
- D. Bharat Earth Movers Limited

Q88 Modern Indian Authors

Which book had been released by Sudha Murty in April 2026 highlighting Indian parliamentary history through mural panels in Samvidhan Sadan?

- A. Tides of Time: Bharat's History through Murals in Parliament ✓
- B. Echoes of Antiquity: Bharat's Parliamentary Mural Journeys
- C. Tides of History: Murals of Ancient Indian Parliamentary Art
- D. Echoes from the Past: Murals of the Indian Parliament

Q89 Modern Indian Authors

Which of the following individuals released the coffee table book 'Atal Bihari Vajpayee: The Eternal Statesman' in February 2026 at Dr. Ambedkar International Centre, New Delhi?

- A. C. P. Radhakrishnan ✓
- B. Haribhau Kisanrao Bagde
- C. Prof. Ashim Kumar Ghosh
- D. Arif Mohammed Khan

Q90 National Current Affairs

Which organisation signed a Memorandum of Understanding with the Spices Board of India in May 2026 to strengthen the global promotion of Ayush products and medicinal spices?

- A. Agricultural and Processed Food Products Export Development Authority
- B. AYUSHEXCIL (Ayush Export Promotion Council) ✓
- C. Ayurvedic and Unani Health Services Export Council
- D. Tribal Cooperative Marketing Development Federation of India

Q91 New Apps & Portals

Who launched the SAHI and BODH initiatives to strengthen the responsible health AI ecosystem at the 'India AI Impact Summit 2026'?

- A. Nirmala Sitharaman
- B. Dharmendra Pradhan
- C. Nitin Gadkari
- D. Jagat Prakash Nadda ✓

Q92 New Guidelines & Regulations

From October 1, 2025, who became eligible to receive working capital loans using gold as raw material, as per Reserve Bank of India reforms?

- A. Foreign investors
- B. All banks
- C. Manufacturers ✓
- D. Only jewellers

Q93 Paris Agreement Updates

According to India's updated Nationally Determined Contribution (NDC) approved in March 2026, what is the target share of non-fossil fuel-based resources in installed electric power capacity by 2035?

- A. 60% ✓
- B. 40%
- C. 50%
- D. 47%



Q94 Rankings & Reports

What was the overall National Labour Force Participation Rate (LFPR) recorded for persons aged 15 years and above in April 2026?

A. 47.5%

B. 65.4%

C. 55.0%



D. 50.1%

Q95 Recent Tournaments

Which country won the 2026 Men's Six Nations rugby union championship, securing its second consecutive title?

A. England

B. Scotland

C. Italy

D. France

**Q96 Recent Tournaments**

Which badminton player won the 2026 Malaysia Open women's singles title held in Kuala Lumpur in January 2026 by defeating China's Wang Zhiyi in straight games to secure a third consecutive championship?

A. Tai Tzu-ying

B. Akane Yamaguchi

C. An Se-young



D. Chen Yufei

Q97 Recent Tournaments

Which Indian athlete won gold in the Men's Long Jump at the Indian Athletics Series 1 in April 2026?

A. Murali Sreeshankar



B. Muhammed Anees Yahiya

C. Jeswin Aldrin

D. Neeraj Chopra

Q98 Species Conservation

As part of the pre-summit "Lion Species Spotlight Event" of the 1st International Big Cat Alliance (IBCA) Summit 2026, which protected area in Gujarat was chosen to showcase the conservation of the world's only wild population of Asiatic lions?

A. Marine National Park and Wildlife Sanctuary

B. Velavadar National Park and Wildlife Sanctuary

C. Vansda National Park and Wildlife Sanctuary

D. Gir National Park and Wildlife Sanctuary

**Q99 Summits & Conferences**

In which city was the India-AI Impact Summit 2026 held from 16–20 February 2026?

A. Mumbai

B. Bengaluru

C. Hyderabad

D. New Delhi

**Q100 World Events**

The United Arab Emirates (UAE) announced its withdrawal in April 2026 from which international oil-producing organisation, ending its membership that had continued since 1967?

A. World Trade Organization (WTO)

B. Organization of the Petroleum Exporting Countries (OPEC)



C. International Energy Agency (IEA)

D. International Renewable Energy Agency (IRENA)



General Science

25 Questions • Answer Key

Q1 Atomic Structure & Models

The electron was discovered by:

- A. Rutherford
- B. Dalton
- C. J. J. Thomson ✓
- D. Neils Bohr

Q2 Atomic Structure & Models

An atom of element X has a mass number of 37 and contains 20 neutrons. What is the atomic number of X, and which element does it represent?

- A. 19, Potassium
- B. 17, Chlorine ✓
- C. 20, Calcium
- D. 18, Argon

Q3 Biodiversity & Conservation

A zoologist identifies the Lion-tailed macaque population declining due to fragmentation of its forest habitat. Which is the most likely ecological consequence if this trend continues?

- A. Loss of endemic species unique to the region ✓
- B. Increase in migratory bird populations
- C. Spread of invasive species from outside
- D. Introduction of common widespread species

Q4 Cell Division (Mitosis, Meiosis)

The reproductive cells such as sperm and eggs produced through meiosis are known as _____.

- A. Inclusions
- B. Organelles
- C. Gametes ✓
- D. Tissues

Q5 Cell Division (Mitosis, Meiosis)

Complete the analogy.

Mitosis : 2 Daughter Cells :: Meiosis : _____

- A. 1 Daughter Cell
- B. 8 Daughter Cells
- C. 3 Daughter Cells
- D. 4 Daughter Cells ✓

Q6 Current Electricity (Ohm's Law, Circuits)

If the resistance in a circuit is doubled and the current remains constant, what happens to the amount of heat produced in the resistor over the same time period?

- A. It doubles ✓
- B. It quadruples
- C. It remains unchanged
- D. It halves

Q7 Echo, Resonance, Doppler Effect

Which of the following best explains why an echo is heard when a sound is produced near a large, flat wall?

- A. The wall vibrates and produces a new sound identical to the original.
- B. Sound waves pass directly through the wall and reappear on the other side.
- C. Sound is absorbed by the wall and then emitted slowly.
- D. Sound waves reflect off the wall and return to the listener after a short delay. ✓

Q8 Five Kingdom Classification

A taxonomist is classifying a microscopic organism that is unicellular, has a true nucleus, and moves using cilia. Which kingdom is most appropriate for its classification?

- A. Protista ✓
- B. Plantae
- C. Fungi
- D. Monera



Q9 Food Preservation (Chemical)

Which condition will slow down rancidity in oily food items ?

- A. Storage at high temperature
- B. Presence of moisture
- C. Storage in airtight containers flushed with nitrogen ✓
- D. Exposure to sunlight

Q10 Household Wiring & Safety

A family wants to minimize the risk of electrical fires in their home. Which of the following practices involving electricity is/are most effective in achieving this goal?

- A. Using only low-power electrical appliances in all rooms.
- B. Increasing the number of power outlets in each room.
- C. Relying on extension cords for all appliances in the home.
- D. Using circuit breakers and regularly checking wiring for faults. ✓

Q11 Important Salts & Their Uses

When Plaster of Paris ($\text{CaSO}_4 \cdot \frac{1}{2}\text{H}_2\text{O}$) is mixed with water, it becomes hard. Which process is responsible for this hardening?

- A. Rehydration to form gypsum ✓
- B. Oxidation of calcium ions
- C. Neutralization between acid and base
- D. Dehydration of calcium sulphate

Q12 Mixtures, Solutions, Colloids

A colloidal solution is a type of:

- A. Pure substance
- B. True solution
- C. Homogeneous mixture
- D. Heterogeneous mixture ✓

Q13 Newton's Laws of Motion

Which scenario best demonstrates the first law of motion as stated by Newton regarding an object's tendency to maintain its state of at rest or uniform motion?

- A. A tree sways in the wind
- B. A ball rolling down a hill accelerates
- C. A car speeds up as the driver presses the accelerator
- D. A book lying on a table stays still until someone pushes it ✓

Q14 Newton's Laws of Motion

A 6 kg body is subjected to a force that brings it from rest to a velocity of 18 m/s in 3 seconds. What is the value of the force?

- A. 18 N
- B. 12 N
- C. 54 N
- D. 36 N ✓

Q15 Oxidation & Reduction (Redox)

Select the option that is true regarding the following two statements labelled Assertion (A) and Reason (R).

Assertion (A): In oxidation reactions, the colour of potassium permanganate disappears initially.

Reason (R): Potassium permanganate reacts with alcohols and gets reduced, causing decolourisation.

- A. A is true, but R is false.
- B. Both A and R are true, and R is the correct explanation of A. ✓
- C. Both A and R are true, and R is not the correct explanation of A.
- D. A is false, but R is true.

Q16 Plant Hormones

Which of the following environmental stimulus causes roots to grow away from itself?

- A. Light ✓
- B. Water
- C. Gravity
- D. Air

Q17 Pollution (Air, Water, Soil, Noise)

Which of the following statements regarding biodegradable waste is correct?

- A. It consists of man-made substances
- B. It persists in the environment
- C. It cannot be recycled
- D. It can be decomposed by biological processes ✓



Q18 Respiratory System

The amount of energy released during aerobic respiration in animals is ____ that released during anaerobic respiration.

- A. Equal to
- B. Slower than
- C. Greater than
- D. Lesser than

**Q19 Respiratory System**

Tobacco consumption mainly affects which organ system first?

- A. Respiratory system including lungs and airways
- B. Excretory system including kidneys and bladder
- C. Digestive system including stomach and intestines
- D. Skeletal system including bones and joints

**Q20 Soaps & Detergents**

Why does a soap solution appear cloudy?

- A. Because soap molecules dissolve completely
- B. Because dirt is suspended in water
- C. Because hydrocarbons are soluble in water
- D. Because soap micelles are large enough to scatter light

**Q21 Types (Combination, Decomposition, etc.)**

When zinc reacts with dilute HCl, the reaction can be classified as:

- A. Displacement reaction
- B. Neutralization reaction
- C. Double decomposition reaction
- D. Combination reaction

**Q22 Wave Properties (Frequency, Wavelength)**

Which statement best explains the difference between a low pitch sound and a high pitch sound?

- A. A low pitch sound and a high pitch sound have the same frequency.
- B. A low pitch sound is always louder than a high pitch sound.
- C. A low pitch sound has a higher frequency than a high pitch sound.
- D. A low pitch sound has a lower frequency compared to a high pitch sound.

**Q23 Wave Properties (Frequency, Wavelength)**

A sound wave has a frequency of 500 Hz and travels at 340 m/s. What is its wavelength?

- A. Its wavelength is 170 meters
- B. Its wavelength is 0.34 meters
- C. Its wavelength is 1.47 meters
- D. Its wavelength is 0.68 meters

**Q24 Work, Energy & Power**

An object of mass 12.5 kg is lifted to a height of 8 m. (Take $g = 10 \text{ m/s}^2$.) Its potential energy is ____.

- A. 1000 J
- B. 100 J
- C. 800 J
- D. 1250 J

**Q25 Work, Energy & Power**

Object A (3 kg) moves at 4 m/s, and object B (6 kg) moves at 2 m/s. Which object has greater kinetic energy?

- A. Object B
- B. Both have equal kinetic energy
- C. Cannot be determined
- D. Object A



Q26 Annual Compounding

A certain amount of money grows to ₹752 at the end of 20 years and to ₹7,896 at the end of 21 years at a fixed annual compound interest rate. Find the annual rate of compound interest.

A. 9.5%

B. 8.5%

C. 950% ✓

D. 850%

Q27 Area/Volume Error

In measuring the sides of a rectangular park, if one side is taken 6% in excess and the other is taken 5% in deficit, what is the error percent in the area calculation?

A. 0.7% increase ✓

B. 0.7% decrease

C. No change

D. 0.2% increase

Q28 Combined Work Rate

Ashok can prepare one wooden chair in 2 days and Robin can prepare the same chair in 4 days. If they work together, in how many days will they prepare 120 chairs of the same kind?

A. 164

B. 160 ✓

C. 162

D. 156

Q29 Cost with Overhead Expenses

Renu purchased an old scooter for ₹14,500 and spent ₹3,500 on its repair. Then he sold it at a profit of ₹3,500 to Rohit. Rohit got the scooter painted for ₹1,200 and sold it to Mukesh at 10% profit. What amount did Mukesh pay for the scooter?

A. ₹24,970 ✓

B. ₹24,530

C. ₹23,840

D. ₹25,240

Q30 Crossing Bridge/Platform

A train passes a station platform in 70 seconds and a man standing on the platform in 40 seconds. If the speed of the train is 90 km/hr, calculate the length of the platform.

A. 780 m

B. 760 m

C. 750 m ✓

D. 720 m

Q31 Dividing Quantity in Ratio

A class has 60 students, and the ratio of boys to girls is 2:3. If 2 boys and 3 girls are added to the class, what is the new ratio of boys to girls?

A. 3:2

B. 4:3

C. 2:3 ✓

D. 3:4

Q32 Find SI

Find the simple interest (in ₹) on ₹1,500 at an interest rate of 3% per month in 5 months.

A. 225 ✓

B. 38.75

C. 37.5

D. 18.75

Q33 Median

The mean and the mode of a set of data are 65 and 79.7, respectively. Find the median of the data, using the empirical formula.

A. 69.8

B. 71.1

C. 71.7

D. 69.9 ✓

Q34 Order of Operations

Evaluate: $16 - 5 \times 3 + 18$

A. 17

B. 18

C. 21

D. 19 ✓



Q35 Prime & Composite Numbers

A molecular compound contains atoms A and B, where their counts per molecule are the 5th and 7th prime numbers from starting, respectively. The compound consists of 10 identical molecules. After a reaction, the number of B atoms per molecule doubles, and C atoms (equal to the 3rd prime number from starting) are added. What is the total number of A, B, and C atoms in all 10 molecules after the reaction?

A. 500



B. 690

C. 550

D. 330

Q36 Relative Speed

Two persons, A and B, start from opposite ends of a 325 km road and travel toward each other. A's speed is 70 km/h and B's speed is 50 km/h. If A starts 30 minutes after B, how long after B's start will they meet?

A. 4 h

B. 6 h

C. 5 h

D. 3 h

**Q37 Rules for 2,3,4,5,6**

What is the least value that must be assigned to A so that the number 469A1423 is divisible by 3?

A. 4

B. 1



C. 6

D. 5

Q38 Simple Ratio Partnership

Three business partners, A, B, and C, agree to divide their total profit for a certain year in the ratios 3 : 4 : 5. If B's share was ₹24,000, what was the total profit of the business partners for the year?

A. ₹56,000

B. ₹64,000

C. ₹72,000



D. ₹76,000

Q39 Successive Discount

The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 90% and 41%, shop II allows successive discounts of 19% and 65%, shop III allows successive discounts of 24% and 13% and shop IV allows successive discounts of 78%, 73% and 12% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

A. I

B. III

C. IV



D. II

Q40 Two Persons Age Relation

The mean of the present ages of a father and his son is 31 years. After 20 years, the father will be twice as old as his son. What is the ratio of the present ages of the son and the father?

A. 2 : 5

B. 5 : 21

C. 3 : 7

D. 7 : 24

**Q41 Volume**

The length, breadth and height of a cuboid are in the ratio of 8:5:3 and its total surface area is 1422 cm². Find the volume of the cuboid.

A. 3860 cm³

B. 3520 cm³

C. 3780 cm³

D. 3240 cm³

**Q42 Weighted Average**

A school has two sections A and B, with 30 and 40 students, respectively. The average score in a Mathematics test of section A is 75, while the average score of section B is 80. What is the average score (rounded off to two decimal places) of the entire class?

A. 76.54

B. 78.53

C. 79.57

D. 77.86



Q43 Arithmetic Mean

The weights of 25 students are given below. Find the arithmetic mean of the data.

Weight	65	66	67	68	69
No. of Students	8	6	4	4	3

A. 56.84

B. 64.32

C. 66.52



D. 67.43

Q44 Centres of Triangle

The internal angular bisectors of angles A and B of $\triangle ABC$ intersect at O. If $\angle AOB = 94^\circ$, then find

A. 22°

B. 16°

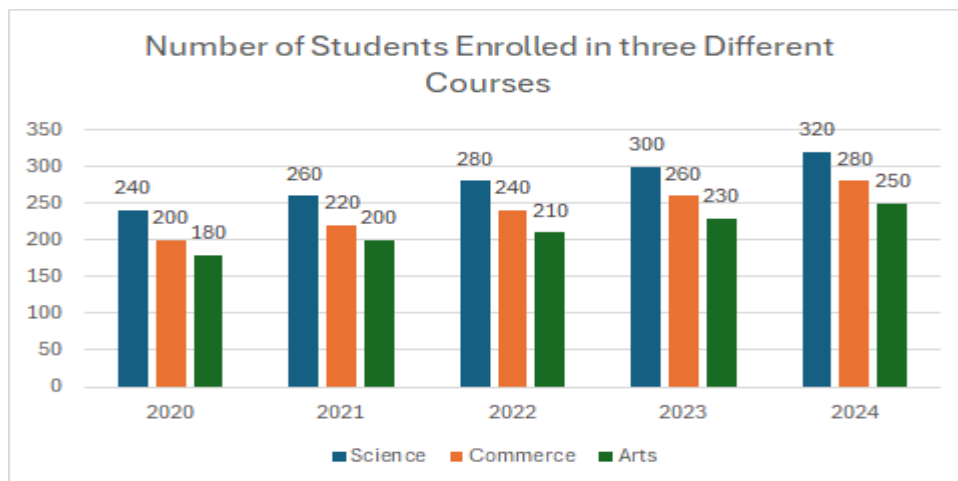
C. 8°



D. 24°

Q45 Comparative Analysis

The multiple bar graph below represents the number of students enrolled in three different courses (Science, Commerce and Arts) in a college over five years.



What was the average number of Commerce students enrolled over the given five years?

A. 242

B. 240



C. 244

D. 246



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Q46 Curved Surface Area

A road roller makes 955 complete revolutions to level a road. If the roller has a diameter of 56 cm and a length of 0.8 m, what is the total area of the road covered?

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

- A. 1117.56 m²
- B. 1230.28 m²
- C. 1344.64 m² ✓
- D. 1420.35 m²

Q47 Half-Yearly Compounding

In how many years will a sum of ₹64,000 at the rate of 10% per annum compounded semi-annually become ₹74,088?

- A. $1\frac{1}{2}$ ✓
- B. $2\frac{1}{4}$
- C. $1\frac{1}{4}$
- D. $2\frac{1}{2}$

Q48 Pythagorean Identities

If $\frac{1 + \cos\theta}{1 - \cos\theta} = \frac{m^2}{n^2}$, then the value of $\left[\frac{m^2 + n^2}{mn}\right]$ is:

- A. $2 + \cos\theta$
- B. $(\sec\theta + \tan\theta)^2$
- C. $2\operatorname{cosec}\theta$ ✓
- D. $\operatorname{cosec}\theta + \cot\theta$

Q49 Reciprocal Relations

If $\tan A + \cot A = 2$, then the value of $\tan^{\frac{3}{4}} A + \cot^{\frac{5}{9}} A$ is:

- A. 0
- B. 1
- C. 2 ✓
- D. -1



Q50 Single Change

The cost of painting one of the rooms of Neha is ₹5000. Next year, the cost is increased to ₹5500. Find the percentage change.

A. Increased by 10%



B. Increase by 5%

C. Increased by 0.1%

D. Increase by 7.5%

General Intelligence & Reasoning

30 Questions • Answer Key

Q51 Alphabetical Pattern

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

PIK BUW NGI ZSU ?

A. LGT

B. LGY

C. LEG



D. LOP

Q52 Day of Week Assignment

Each of Abhishek, Jai, Kanika, Meena, Reena, Sunny and Teena has exam on a different day of a week starting from Monday and ending on Sunday of the same week.

Only two people have exam between Reena and Sunny.

Only one person has exam between Jai and Abhishek.

Only two people have exam between Sunny and Kanika.

Meena has exam immediately before Jai.

Kanika does not have exam on any of the days before Jai.

Three of the following four options are alike in a certain way based on the given arrangement and thus form a group. Which is the one that does NOT belong to that group?

A. Jai and Sunny

B. Abhishek and Teena

C. Kanika and Reena



D. Reena and Meena

Q53 Direct Relations

G is the brother of K. V is the husband of B. K is the daughter of V. B is the sister of J. How is G related to J?

A. Sister's son



B. Brother's daughter

C. Husband's mother

D. Daughter's daughter

Q54 Facing Center

B, D, E, P, S, T and W are sitting around a circular table, facing the centre of the table.

Only one person sits between E and P when counted from the right of E. Only one person sits between P and W. Only one person sits between E and T. Only two people sit between D and W. Only one person sits between S and T. Who sits to the immediate right and left of B respectively?

A. E and T



B. T and D

C. T and W

D. E and W

Q55 Floor/Building Arrangement

Seven boxes I, J, K, Q, R, S and T are kept one over the other but not necessarily in the same order. Only four boxes are kept between S and Q. T is kept above S. Only two boxes are kept between I and J. K is kept immediately above R. J is not kept immediately above K. No box is kept below Q. Which box is kept fourth from the top?

A. R

B. I

C. K



D. J

Q56 Letter Analogy

NP 23 is related to OL 11 in a certain way. In the same way, EG 21 is related to FC 9. To which of the following is PK 16 related, following the same logic?

A. QH 6

B. QG 4



C. RH 6

D. RG 4



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Q57 Letter Analogy

KK 27 is related to LH 13 in a certain way. In the same way, IP 23 is related to JM 9. To which of the following is HN 16 related, following the same logic?

A. JK 4

B. IK 2



C. JJ 2

D. IJ 4

Q58 Letter to Number Mapping

In a certain code language, 'DIAL' is coded as '3615' and 'LEAD' is coded as '5213'. What is the code for 'I' in the given code language?

A. 2

B. 5

C. 6



D. 1

Q59 Letters in a Given Word

This question is based on the given words.

ACT CRY ROW BOX

If in each of the words, each letter is changed to the letter immediately following it in the English alphabetical order, how many group of letters thus formed will have no vowel?

A. None

B. One

C. Three



D. Two

Q60 Letters in a Given Word

This question is based on the given words.

KEG LAM BIN BUG

In each of the words, each vowel 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. In how many letter-clusters thus formed, will no vowel appear?

A. One

B. Zero

C. Two



D. Three

Q61 Mathematical Operations

If 1 is added to each even digit and 2 is subtracted from each odd digit in the number 298576, how many digits will appear more than once in the new number thus formed?

A. One

B. None

C. Two



D. Three

Q62 Missing Number

What should come in place of ? in the given series?
245 216 187 158 129 ?

A. 100



B. 101

C. 111

D. 102

Q63 Operation Based

Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number result(s) in the second number. Similarly, certain mathematical operation(s) on the second number result(s) in the third number and so on. Which of the given options follows the same set of operations as in the given sets? (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. For example, 13 — operations such as adding, subtracting, multiplying, etc., can be performed on 13 as a whole. Breaking down 13 into 1 and 3 and then performing operations on 1 and 3 is not allowed.)

4 – 64 – 74 – 84;

3 – 27 – 37 – 47

A. 7-21-31-41

B. 5-125-135-145



C. 6-216-226-246

D. 2-8-18-36



Q64 Operation Based

366 is related to 731 following a certain logic. Following the same logic, 413 is related to 825. To which of the given options is 287 related, following the same logic?

(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 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.)

A. 751

B. 573

C. 445

D. 630

Q65 Pattern Based

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: BIQ :: BIQ : %

A. # = TOI , % = JQY

B. # = TAI , % = JQY

C. # = TAI , % = JTY

D. # = TAI , % = JQL

Q66 Position Pattern

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. SVX

B. NQS

C. KMO

D. LOQ

Q67 Position Pattern

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. UD – SX

B. AK-JR

C. LV-UC

D. GQ – PX

Q68 Position from Left/Right

Mr. Klo ranked 15th from the top and 66th from the bottom in his class. How many students are there in his class?

A. 81

B. 80

C. 82

D. 79

Q69 Rearrangement of Letters

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

A. Zero

B. Two

C. One

D. Three

Q70 Rearrangement of Letters

Each of the digits in the number 5274381 is arranged in ascending order from left to right. The position of how many digits will remain unchanged as compared to that in the original number?

A. Two

B. One

C. None

D. Three

Q71 Rearrangement of Letters

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

A. Four

B. Two

C. Three

D. One



Q72 Shortest Distance

Rupali starts from Point Y and drives for 7 km towards east. She then takes a right turn and drives for 5 km and then she takes a left turn and drives for 4 km. She then takes a right turn and drives for 6 km. She finally takes a right turn and drives for 11 km to reach Point E. How far (shortest distance) and towards which direction should she drive in order to reach Point Y again? (All turns are 90-degree turns only unless specified.)

- A. 11 km towards east
- B. 20 km towards south
- C. 16 km towards north
- D. 11 km towards north

**Q73 Single Row (One-way/Both-way)**

Six friends E, F, G, H, L and M are sitting in a straight line, facing north. Only four people sit between L and M. E sits to the immediate left of M. Only one person sits between E and H. G sits at some place to the left of F. How many people sit between F and G?

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

**Q74 Symbol Based**

In a certain code language,
 $A \text{ ₹ } B$ means 'A is the father of B',
 $A \leq B$ means 'A is the mother of B',
 $A \div B$ means 'A is the daughter of B' and
 $A \neq B$ means 'A is the wife of B'.

Based on the above, how is P related to R if ' $P \neq A \text{ ₹ } G \leq E \div R$ '?

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

**Q75 Symbol Included Pattern**

Refer to the given letter, number and symbol series and answer the question that follows. All numbers are single-digit numbers only.

(Left) A 4 & P % 7 @ 8 T 6 & K 2 R 5 # 3 E Ω C D (Right)

If all the letters are dropped from the series, which of the following will be seventh from the left?

- A. 6
- B. &
- C. 8
- D. 2

**Q76 Symbol Included Pattern**

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

(Left) 7 7 & & # 3 3 # 9 1 4 € 4 # # 7 £ \$ 4 © 9 6 (Right)

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

- A. 5
- B. 3
- C. 4
- D. 2

**Q77 Symbol Included Pattern**

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

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

How many such symbols are there, each of which is immediately preceded by an even number but NOT immediately followed by an even number?

- A. One
- B. More than three
- C. Two
- D. Three



Q78 Symbol Substitution

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?

$$5 B 4 D 6 A 2 C 3 = ? D 4$$

A. 30

B. 24



C. 34

D. 20

Q79 Two Statement Syllogism

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

Statements:

All horses are bears.
Some horses are donkeys.

Conclusions:

- (I) Some bears are donkeys.
(II) Some donkeys are horses.

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



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

C. Only conclusion (I) follows.

D. Only conclusion (II) follows.

Q80 Two Statement Syllogism

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

Statements:

All parks are forests.
No forest is a lake.

Conclusions:

- (I) No park is a lake.
(II) All lakes are forests.

A. Only conclusion (I) follows



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

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

D. Only conclusion (II) follows

General Awareness

20 Questions • Answer Key

Q81 Appointments & Resignations

Who was appointed as the Chairman of the Rajya Sabha Committee on Petitions after the panel was reconstituted by Rajya Sabha Chairman C. P. Radhakrishnan with effect from May 20, 2026?

A. Sanjay Singh

B. Manoj Jha

C. Raghav Chadha



D. Derek O'Brien

Q82 Appointments & Resignations

Who was elected as the new President of the BJP in 2026?

A. Nitin Nabin



B. J.P. Nadda

C. Amit Shah

D. Baba Amte

Q83 Ayushman Bharat

In 2026, which health insurance scheme was set to be implemented by West Bengal, making it the 36th State/Union Territory to join the programme through an agreement with the National Health Authority?

A. Pradhan Mantri Jan Dhan Yojana (PMJDY)

B. Pradhan Mantri Suraksha Bima Yojana (PMSBY)

C. Ayushman Bharat Pradhan Mantri Jan Arogya Yojana (AB PM-JAY)



D. Pradhan Mantri Jeevan Jyoti Bima Yojana (PMJJBY)

Q84 Biodiversity Updates

Which authority issued new access and benefit sharing rules in India in April 2025?

A. Ministry of Agriculture

B. National Biodiversity Authority



C. Ministry of Tribal Affairs

D. Central Environment Board



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Q85 Conflicts & Peace Processes

According to reports on the military operation known as "Operation Absolute Resolve" conducted in January 2026, which country had carried out the operation that resulted in the capture of Venezuelan President Nicolás Maduro?

- A. Russia
- B. United Kingdom
- C. United States of America ✓
- D. China

Q86 Economic Current Affairs

In 2025, which of the Indian banks has reached \$100 billion mark?

- A. Bank of India
- B. State Bank of India ✓
- C. Indian Bank
- D. Bank of Baroda

Q87 Environment Current Affairs

Which government body issued the statutory direction for coordinated action plans to eliminate wheat stubble burning during the 2026 harvesting season?

- A. Commission for Air Quality Management in NCR and Adjoining Areas (CAQM) ✓
- B. Ministry of Environment, Forest and Climate Change
- C. Indian Agricultural Research Institute (IARI)
- D. Indian Space Research Organisation (ISRO)

Q88 Individual Records

Neeraj Chopra achieved a new national record at the Doha Diamond League 2025. What was the distance of his throw?

- A. 88.17 m
- B. 89.94 m
- C. 91.06 m
- D. 90.23 m ✓

Q89 Military Exercises

Between which two countries was Exercise INDRA, 2025, conducted?

- A. India and China
- B. India and Russia ✓
- C. India and France
- D. India and the United States

Q90 Missile Tests & Systems

Which DRDO-supported indigenous systems were inducted by the Indian Army under emergency procurement in May 2026?

- A. Nishant UAV and Varunastra torpedo systems
- B. Akash Prime and Tejas Mk-2 systems
- C. Arjun Mk-1A and Prahaar missile systems
- D. ULPGM and AGNIKAA VTOL-1 drone systems ✓

Q91 National Current Affairs

In May 2026, which Ministry released the National Family Health Survey-6 (NFHS-6), highlighting improvements in maternal and child health, nutrition, and financial protection?

- A. Ministry of Women and Child Development
- B. Ministry of Statistics and Programme Implementation
- C. Ministry of Health and Family Welfare ✓
- D. Ministry of Education

Q92 National Themed Days

On 14th April 2026, the National Fire Service Day was observed with which theme?

- A. Healthy Environment, Safe Workplace & Emergency Response Society – United for Public Safety
- B. Safe School, Safe Hospital & Fire Safety Aware Society – Together for Fire Prevention ✓
- C. Smart Cities, Smart Buildings & Fire Protection Prepared Society – United for Safety Mission
- D. Secure Villages, Secure Offices & Disaster Prepared Community – Together for Risk Reduction

Q93 New Schemes & Programs

What is the objective of the 'Pradhan Mantri Janjatiya Unnat Gram Abhiyan' introduced in Budget 2025?

- A. Enhancing socio-economic conditions of tribal communities in rural areas ✓
- B. Establishing tribal research centres
- C. Urban development in tribal areas
- D. Providing scholarships to students of tribal communities in rural areas



Q94 Recent ISRO Missions

The PSLV-C61 EOS-09 mission, which was launched on May 18, 2025, was ISRO's (Indian Space Research Organisation) ____.

- A. 99thmission
- B. 101thmission ✓
- C. 100thmission
- D. 102ndmission

Q95 Recent ISRO Missions

What was the mission name of the communication satellite launched by the Indian Space Research Organisation on 24 December 2025 from Sriharikota using the LVM3 (Baahubali) launch vehicle?

- A. Defence communication satellite
- B. BlueBird Block-2 ✓
- C. meteorological satellite mission
- D. NewSpace communication series

Q96 Recent Tournaments

Which shooter won the gold medal in the Women's 25m Pistol event at the ISSF World Cup Final 2025 conducted in Doha?

- A. Manu Bhaker
- B. Simranpreet Kaur Brar ✓
- C. Yao Qianxun
- D. Doreen Vennekamp

Q97 Recent Tournaments

Which state had emerged victorious with the highest medal tally at the inaugural Khelo India Tribal Games 2026?

- A. Odisha
- B. Jharkhand
- C. Karnataka ✓
- D. Madhya Pradesh

Q98 Recent Tournaments

In which country was the final match of the 2026 Monte-Carlo Masters tennis tournament conducted at Roquebrune-Cap-Martin?

- A. Spain
- B. Italy
- C. Germany
- D. France ✓

Q99 Species Conservation

Which of the following big cat species is the focus of the conservation programme being held in Gangtok, Sikkim in 2026?

- A. Snow Leopard ✓
- B. Bengal Tiger
- C. Cheetah
- D. Asiatic Lion

Q100 UN Declared Days

What was the official United Nations theme for International Women's Day observed on March 8, 2026?

- A. Invest in Women: Accelerate Progress
- B. Accelerate Action: Equal Rights for a Sustainable Future
- C. Rights. Justice. Action. For ALL Women and Girls ✓
- D. Empower, Include, Advance: Women Leading Change



General Science

25 Questions • Answer Key

Q1 Atoms & Molecules

A sample of water obtained from two different sources is found to contain hydrogen and oxygen in the ratio 1:8 by mass. Which law is illustrated by this observation?

- A. Law of multiple proportions
- B. Law of conservation of mass
- C. Law of constant proportions ✓
- D. Law of reciprocal proportions

Q2 Basic Organic Chemistry

What is the main difference between an addition and a substitution reaction in carbon compounds?

- A. Addition reactions remove atoms from molecules
- B. Addition reactions occur only in saturated compounds
- C. Addition reactions increase the number of atoms in a molecule ✓
- D. Addition reactions replace one atom with another

Q3 Basic Organic Chemistry

Which characteristic is shared by all members of a homologous series?

- A. They have the same molecular mass
- B. They have identical physical properties
- C. They have similar chemical properties ✓
- D. They have the same molecular formula

Q4 Chemical Bonding (Ionic, Covalent)

Which of the following statements is/are CORRECT?
Statement I: Covalent bonds involve the sharing of electron pairs between atoms.
Statement II: Covalent bonding usually occurs between metals and non-metals.

- A. Both statements I and II are incorrect
- B. Only statement II is correct
- C. Both statements I and II are correct
- D. Only statement I is correct ✓

Q5 Circulatory System (Heart, Blood)

Select the correct option regarding the following two statements labelled Assertion (A) and Reason (R).

Assertion (A): The walls of veins are thinner than those of arteries.

Reason (R): Veins carry blood under high pressure.

- A. A is false, but R is true
- B. Both A and R are true, but R is not the correct explanation of A
- C. A is true, but R is false ✓
- D. Both A and R are true, and R is the correct explanation of A

Q6 Conduction, Convection, Radiation

A technician is designing a solar power plant in central India. Understanding the value of the solar constant is necessary for planning the plant's capacity as:

- A. It indicates energy available before atmospheric loss ✓
- B. It measures sunlight duration
- C. It shows only atmospheric absorption
- D. It gives maximum possible temperature

Q7 Current Electricity (Ohm's Law, Circuits)

Which of the following materials has the highest resistivity?

- A. Silver
- B. Tungsten
- C. Manganin ✓
- D. Iron

Q8 Current Electricity (Ohm's Law, Circuits)

A household has two appliances: a heater and a fan. The heater has a high resistance while the fan has a low resistance. If both are connected to the same voltage supply, which appliance will draw more current and why?

- A. Current does not depend on resistance in this case.
- B. The heater will draw more current because it has higher resistance.
- C. The fan will draw more current because it has lower resistance. ✓
- D. Both will draw the same current because the voltage is the same.



Q9 Ecosystem & Food Chain

Why does biological magnification increase at higher trophic levels?

- A. Chemicals are not degraded and accumulated at each trophic level ✓
- B. Chemicals are degraded and accumulated only at higher trophic levels
- C. Water content increases at each trophic level
- D. Energy increases at higher levels in food chain

Q10 Human Body & Physiology

Read the following statements are about epithelial tissue and select the most appropriate option.

Statement A: Cells of epithelial tissue are tightly packed.
Statement B: Fibrous basement membrane separates epithelium from underlying tissue.

- A. Statement A is incorrect and Statement B is correct
- B. Both Statement A and Statement B are incorrect
- C. Statement A is correct and Statement B is incorrect
- D. Both Statement A and Statement B are correct ✓

Q11 Mirrors & Lenses

A photographer uses a concave lens of focal length 12 cm. The object is placed 18 cm from the lens. Using the sign convention, calculate the image distance (v)?

- A. -36 cm
- B. +7.2 cm
- C. -7.2 cm ✓
- D. +36 cm

Q12 Mirrors & Lenses

A dentist uses a concave mirror of focal length 20 cm to examine a patient's tooth. If the tooth is placed 5 cm from the mirror, what is the magnification produced?

- A. 1.33 ✓
- B. 0.75
- C. 0.5
- D. 1.67

Q13 Mirrors & Lenses

In a concave mirror, a ray parallel to the principal axis is incident. After reflection, the ray passes through:

- A. The pole
- B. The focus ✓
- C. Anywhere along the mirror
- D. The center of curvature

Q14 Mixtures, Solutions, Colloids

Which of the following is an example of coagulation in everyday life?

- A. Extracting salt from sea water
- B. Separating pigments using chromatography
- C. Filtering sand from a mixture of water and sand
- D. Adding vinegar in milk to form paneer ✓

Q15 Newton's Laws of Motion

Which situation does NOT correctly illustrate an action-reaction pair as per Newton's third law?

- A. A foot kicks a ball, ball pushes foot back
- B. A hammer strikes a nail, nail pushes hammer back
- C. A hand pushes a wall, wall pushes hand back
- D. A car accelerating due to its engine ✓

Q16 Newton's Laws of Motion

If a 2 kg ball initially at rest is pushed with a force of 8 N for 5 seconds, what is its velocity at the end of 5 seconds?

- A. 10 m/s
- B. 5 m/s
- C. 20 m/s ✓
- D. 8 m/s

Q17 Photosynthesis

Which pigment is responsible for absorbing light during photosynthesis?

- A. Keratin
- B. Carotene
- C. Chlorophyll ✓
- D. Anthocyanin



Q18 Plant Kingdom (Divisions)

A researcher finds a plant group that does not need water for fertilisation and has seeds which are not enclosed in fruits. Which plant group is being described?

A. Gymnosperms



B. Pteridophytes

C. Bryophytes

D. Angiosperms

Q19 Plant Tissues & Transport

Which of the following characteristics are correct for the cells of parenchyma?

A. Dead, loosely organised with large intercellular spaces

B. Living, loosely organised with large intercellular spaces



C. Dead, loosely organised without intercellular spaces

D. Living, loosely organised without intercellular spaces

Q20 Reactivity Series

Given that metal X reacts with CuSO_4 but not with FeSO_4 , and metal Y reacts with FeSO_4 but not with ZnSO_4 , what is the correct order of decreasing reactivity for Zn, Fe, Cu, X, and Y?

A. $\text{Fe} > \text{X} > \text{Zn} > \text{Y} > \text{Cu}$

B. $\text{Cu} > \text{X} > \text{Fe} > \text{Y} > \text{Zn}$

C. $\text{Y} > \text{Zn} > \text{X} > \text{Fe} > \text{Cu}$

D. $\text{Zn} > \text{Y} > \text{Fe} > \text{X} > \text{Cu}$

**Q21 Respiratory System**

Which of the following statements, correctly explains how smoking affects the respiratory system in humans?

A. Tar in tobacco strengthens the walls of alveoli

B. Nicotine increases oxygen-carrying capacity of blood to various tissues

C. Smoking increases the surface area of alveoli for better gas exchange in the tissues

D. Carbon monoxide in smoke combines with haemoglobin, reducing oxygen transport to tissues

**Q22 Types (Combination, Decomposition, etc.)**

Which equation correctly represents a displacement reaction involving metals and their salt solutions?

A. $\text{Zn} + \text{CuSO}_4 \rightarrow \text{ZnSO}_4 + \text{Cu}$



B. $\text{Cu} + \text{ZnSO}_4 \rightarrow \text{CuSO}_4 + \text{Zn}$

C. $\text{Au} + \text{FeSO}_4 \rightarrow \text{AuSO}_4 + \text{Fe}$

D. $\text{Ag} + \text{MgSO}_4 \rightarrow \text{AgSO}_4 + \text{Mg}$

Q23 Work, Energy & Power

Student A takes 20 seconds, while student B takes 40 seconds to complete the same amount of work. Which of the following statements is correct in connection to A and B?

A. Both students have the same power

B. Student A has double the power of Student B



C. Student B has done more work

D. Student B has double the power of Student A

Q24 Work, Energy & Power

A constant force acts on an object and causes it to move in the same direction as the force. How is the work done by the force calculated?

A. Work is calculated by multiplying force and displacement



B. Work is calculated by adding force and displacement

C. Work is calculated by dividing force by displacement

D. Work is calculated by multiplying force and time

Q25 pH Scale & Indicators

A student measures the pH of four liquids: lemon juice (2), soap solution (9), water (7), and vinegar (3). Which is the most basic?

A. Vinegar (3)

B. Soap solution (9)



C. Lemon juice (2)

D. Water (7)



Q26 Annual Compounding

The simple interest on a sum of money at 5% per annum for 3 years is ₹1,200. Find the compound interest on the same sum for the same period at the same rate, if interest is compounded annually.

- A. ₹1,621
- B. ₹1,612
- C. ₹1,216
- D. ₹1,261

**Q27 Arithmetic**

Kiran's monthly salary is ₹15,000. He spends ₹5,500 on house rent and ₹3,000 on utility bills, and saves the remaining amount each month. If, during his birthday month, he spends his entire monthly savings on his birthday celebration, find his total savings (in ₹) for the year.

- A. 71,500
- B. 65,000
- C. 58,500
- D. 78,000

**Q28 Basic Proportionality Theorem**

X and Y are the midpoints of sides AB and AC, respectively, of triangle ABC. If $BC = 9$ cm, $AB = 11$ cm and $AC = 14$ cm, then what is the ratio of the perimeters of trapezium XBCY to triangle ABC to triangle AXY?

- A. 26 : 17 : 34
- B. 26 : 34 : 17
- C. 17 : 26 : 34
- D. 34 : 17 : 26

**Q29 Basic TSD**

A train travels 20% faster than a car. Both start together from the same point and cover a distance of 72 km. The train stops for a total of 12 minutes on the way, but still reaches the destination at the same time as the car. Find the speed of the car.

- A. 70 km/hr
- B. 62 km/hr
- C. 60 km/hr
- D. 65 km/hr

**Q30 Cost with Overhead Expenses**

Arvind bought an article for ₹x. He sold it to Biru at a loss of 15%. Biru spent ₹122 on its transportation and sold it to Minu at a profit of 50%. If Minu bought it for ₹1968, then what is the value of x?

- A. 1200
- B. 1400
- C. 1800
- D. 1600

**Q31 Even/Odd Number Series**

The average of the first 8 consecutive even numbers starting from 24 is:

- A. 30
- B. 31
- C. 32
- D. 33

**Q32 Find SI**

Two banks, A and B, offered loans at 3.5% and 8.5% per annum, respectively. Akshay borrowed an amount of ₹4,60,000 from each bank. Find the positive difference between the amounts (in ₹) of simple interest paid to the two banks by Akshay after 3 years.

- A. 70,000
- B. 70,500
- C. 68,500
- D. 69,000

**Q33 Finding Present Age**

If two times the mother's present age is 27 years more than nine times her daughter's age, and five times the daughter's age is 8 year less than the mother's age, then what is the difference (in years) between the ages of the mother and the daughter?

- A. 52
- B. 57
- C. 49
- D. 47



Q34 HCF and LCM

What is the sum of the HCF and the LCM of 19 and 57?

- A. 57
- B. 66
- C. 76
- D. 95

**Q35 Half-Yearly Compounding**

A sum of ₹25,000 amounts to ₹29,160 in 1 year when the interest is compounded half-yearly. If the interest rate remains the same, how much interest will be earned on ₹18,000 in 1 year when the interest is compounded annually?

- A. ₹1,760
- B. ₹3,080
- C. ₹2,880
- D. ₹1,440

**Q36 Inverse Proportion**

If 35 machines can produce a certain number of items in 24 days, how many machines are required to produce the same number of items in 14 days?

- A. 60 machines
- B. 62 machines
- C. 58 machines
- D. 61 machines

**Q37 Mode**

The mean of a data is 33 and its median is 37. The mode (using empirical relation) of the data is:

- A. 58
- B. 16
- C. 108
- D. 45

**Q38 Proportion**

In a proportion, the first, second and third proportionals are respectively 6, 24 and 11. If the fourth proportional is $(x^2 - 7x)$, find the positive value of x .

- A. 44
- B. 11
- C. 28
- D. 4

**Q39 Round Trip**

A man can row at 9.5 km/h in still water. When the river flows at 2 km/h, it takes him 4 hours to row to a certain place and return. How far is the place? (Round off the answer to two decimal places.)

- A. 16.08 km
- B. 18.16 km
- C. 17.12 km
- D. 15.06 km

**Q40 Single Change**

Sheela earns ₹48,000 per month. She spends 75% of her income and saves the rest. If her expenditure increases by 10%, what will be her new monthly savings (in ₹)?

- A. 12,000
- B. 10,800
- C. 9,600
- D. 8,400

**Q41 Successive Discount**

A laptop is sold for ₹45,000 after two successive discounts of 25% and 20% on the marked price. Find the original marked price of the laptop.

- A. ₹72,000
- B. ₹68,000
- C. ₹78,000
- D. ₹75,000

**Q42 Volume**

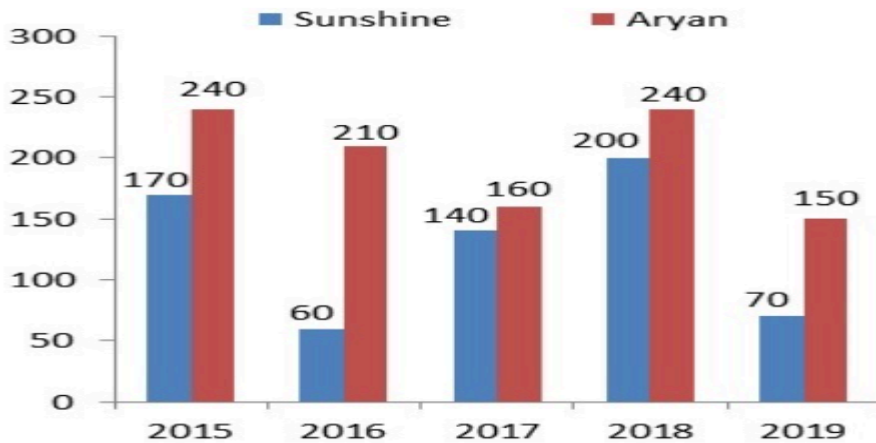
If the height of a cylinder is doubled and radius halved, what is the change in its volume with respect to the original one?

- A. Becomes half of the original
- B. Becomes one-fourth of the original
- C. Becomes double of the original
- D. Remains the same



Q43 Comparative Analysis

The given bar graph shows the total number of students enrolled each year from 2015 to 2019 in two different summer camps: Sunshine and Aryan.



The total number of students enrolled in Sunshine from 2016 to 2019 is what percentage more than the total number of students enrolled in Aryan in 2018 and 2019? (Round off your answer to two decimal places.)

A. 20.51%



B. 23.56%

C. 21.81%

D. 22.51%

Q44 Index Simplification

Simplify:

$$\frac{2^4 \times 3^{-3} \times 9^3}{6^2 \times 3^{-1}}$$

A. 36



B. 24

C. 18

D. 48

Q45 Recurring Decimals

If the decimal number $0.\overline{15201}$ can be expressed in the form of $\frac{a}{b}$ where a and b are co-primes, then find the value of

$$\sqrt{b - a + 281}.$$

A. 98

B. 120



C. 105

D. 145



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Q46 Sequential Pipe Operation

Two pipes, A and B, can fill an empty water tank in 40 and 50 minutes, respectively. Pipe A is opened, and after 15 minutes pipe B is also opened. What is the time taken by both the pipes to fill the tank from the beginning?

A. $23\frac{4}{9}$ minutes

B. $28\frac{8}{9}$ minutes ✓

C. $24\frac{5}{9}$ minutes

D. $18\frac{8}{9}$ minutes

Q47 Trigonometric Identities

Find the value of $(\operatorname{cosec}\theta + \cot\theta) \times (1 - \cos\theta)$.

A. $\tan\theta$

B. $\cos\theta$

C. $\cot\theta$

D. $\sin\theta$ ✓

Q48 Trigonometric Identities

What is the value of $\frac{\sin\theta - \cos\theta + 1}{\sin\theta + \cos\theta - 1}$?

A. $\tan\theta - \sec\theta$

B. $\sec\theta + \tan\theta$ ✓

C. $\cot\theta - \operatorname{cosec}\theta$

D. $\cot\theta + \operatorname{cosec}\theta$

Q49 Ungrouped Data Median

The median of the following frequency distribution is:

x	1	2	3	4	5	6	7
f	8	10	11	16	20	25	15

A. 4

B. 5 ✓

C. 3

D. 6



Q50 Volume

The height and the slant height of a cone are 12 cm and 19 cm respectively. What is the volume of the cone? $\left(\text{Use } \pi = \frac{22}{7}\right)$

- A. 2726 cm³
- B. 2728 cm³** ✓
- C. 2738 cm³
- D. 2719 cm³

General Intelligence & Reasoning

30 Questions • Answer Key

Q51 Both Needed Together

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Among 5 trees, L, M, O, P and Q each having a different height, which tree is the shortest?

- (I) L is shorter than M but taller than Q. O is taller than Q
- (II) P is taller than only one tree

- A. Data in Statement II alone is sufficient to answer the question while data in statement I is not
- B. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.** ✓
- C. Data in Statement I alone is sufficient to answer the question while data in statement II is not
- D. Both statements I and II together are NOT sufficient to answer the question

Q52 Both Needed Together

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Among five trees, N, O, R, S and T each having a different height, which tree is the shortest?

- (I) O is shorter than T but taller than S
- (II) O is shorter than R. N is taller than S

- A. Both statements I and II together are NOT sufficient to answer the question
- B. Data in Statement I alone is sufficient to answer the question while data in statement II is not
- C. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.** ✓
- D. Data in Statement II alone is sufficient to answer the question while data in statement I is not

Q53 Day of Week Assignment

Each of P, Q, R, S, T, U and V has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week.

V has an exam on Thursday. Exactly 4 people have their exam between T and P, none of whom has an exam on Sunday. R has an exam immediately before S. U does not have an exam on Friday. T does not have an exam after S. How many people have an exam between S and U?

- A. 1
- B. 3** ✓
- C. 2
- D. 4

Q54 Facing Center

Eight friends Karan, Shiv, Dipti, Richa, Mahi, Pari, Sonika and Bhanu are sitting around a circular table, facing the centre. Richa sits third to the left of Dipti. Pari sits second to the left of Shiv. Karan sits to the immediate left of Dipti. Sonika sits third to the left of Karan. Shiv sits third to the right of Dipti. Mahi is not an immediate neighbour of Karan. How many people sit between Mahi and Karan when counted from the left of Mahi?

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

Q55 Group Pattern

What should come in place of ? in the given series based on the English alphabetical order?
XVRU, ARSS, ?, GJUO, JFVM

- A. DNQT
- B. DTNQ
- C. DNTQ** ✓
- D. DQNT



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Q56 Letter Analogy

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.

WAR : DHY

KTM : RAT

A. GEO : ZLU

B. NHR : UOY



C. FBI : MIB

D. NSP : UYI

Q57 Letter Analogy

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: HGH :: RQR : %

A. # = FEF , % = TRU

B. # = FGH , % = TST

C. # = FEF , % = TST



D. # = FEE , % = SRS

Q58 Letter Analogy

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: MIE :: FBX : %

A. # = QMI , % = BWU

B. # = QMH , % = AWS

C. # = QOK , % = BXT

D. # = QMI , % = BXT

**Q59 Mathematical Operations**

If 2 is subtracted from each odd digit and 1 is added to each even digit in the number 5236587452 what will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

A. 6



B. 4

C. 5

D. 3

Q60 Mathematical Operations

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

(Left) 903, 671, 245, 381, 792 (Right)

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

What is the sum of the first digit of the lowest number and the third digit of the highest number?

A. 6

B. 7

C. 5



D. 8

Q61 Mathematical Operations

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

(Left) 594 307 821 476 653 (Right)

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

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

What is the sum of the first digits of all odd numbers in the group?

A. 15

B. 13

C. 17



D. 19

Q62 Mathematical Operations

If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 631576454587, what will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

A. 10



B. 7

C. 9

D. 8



Q63 Multiple Turns

Manu starts from Point A and drives 21 km towards East. He then takes a right turn, drives 20 km, turns right and drives 23 km. He then takes a right turn and drives 25 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. 7 km to the South
- B. 5 km to the South
- C. 6 km to the South
- D. 8 km to the South

**Q64 Number Series**

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

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

How many such even digits are there each of the which is immediately preceded by a perfect square and immediately followed by an odd digit? (NOTE: 1 is also a perfect square)

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

**Q65 Number Series**

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

(Left) 8 3 6 15 4 7 9 2 3 8 5 1 4 6 9 2 7 3 8 5 1 4 6 (Right)

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

- A. 3
- B. 2
- C. 4
- D. 5

**Q66 Operation Based**

10 is related to 110 following a certain logic. Following the same logic, 15 is related to 240. To which of the following is 17 related, following the same logic?

(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 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.)

- A. 324
- B. 306
- C. 342
- D. 323

**Q67 Operation Based**

12 is related to 147 following a certain logic. Following the same logic, 19 is related to 364. To which of the following is 14 related, following the same logic?

(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.)

- A. 168
- B. 211
- C. 199
- D. 203

**Q68 Operator Swap**

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

$$214 \div 28 \times 7 + 12 - 11 = ?$$

- A. 85
- B. 86
- C. 81
- D. 83



Q69 Position Pattern

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

A. CEG

B. SUW

C. GIK

D. MRV

**Q70 Position Pattern**

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. CA-VT

B. QO-JH

C. GE-ZX

D. YW-QR

**Q71 Position from Left/Right**

Pranav ranked 24th from the top and 13th from the bottom in his class. How many students are there in his class?

A. 37

B. 38

C. 36



D. 35

Q72 Position from Left/Right

Shubham ranked 29th from the top and 17th from the bottom in his class. How many students are there in his class?

A. 47

B. 46

C. 45



D. 44

Q73 Rearrangement of Letters

Each letter in the word BRIDGE is changed to the letter immediately preceding it in the English alphabetical order and then all the letters thus formed are arranged in the English alphabetical order. Which letter will be at the last position in the new group of letters thus formed?

A. Q



B. A

C. D

D. F

Q74 Single Row (One-way/Both-way)

Six friends A, B, C, D, E and F are sitting in a row facing north. Only B is sitting between F and D. F is sitting third from the right end. E is sitting second to the left of F. A sits at someplace to the left of E. Who is sitting second to the right of A?

A. D

B. B

C. C



D. F

Q75 Symbol Based

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

How is C related to Y if 'C # D < S + T @ Y'?

A. Wife's father's brother

B. Wife's father's sister

C. Wife's father's father

D. Wife's father's mother

**Q76 Symbol Based**

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

Based on the above, how is S related to N if 'S + A @ E - R % N'?

A. Father's brother

B. Father's brother's son



C. Husband

D. Brother



Q77 Symbol Included Pattern

Refer to the following number, symbol series and answer the question. (Note: All numbers are single-digit numbers only.)

(Left) 8 6 – 4 1 α 3 2 # 3 * 9 \$ + 4 1 Ω 7 (Right)

If all the numbers were dropped from the series, which of the following symbols will be third from the right?

A. *

B. #

C. \$



D. α

Q78 Two Statement Sufficiency

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements is sufficient to answer the question. Read both the statements and decide the appropriate answer.

Question:

Ajit, Bina, Chip, Dora and Eli are sitting around a circular table, facing the centre. Who sits second to the right of Chip?

Statements:

(I) Bina sits second to the left of Chip. Ajit sits to the immediate left of Bina.

(II) Bina sits to the immediate left of Dora. Eli sits second to the left of Bina.

A. Data in Statement I alone is sufficient to answer the question while data in statement II is not



B. Data in Statement II alone is sufficient to answer the question while data in statement I is not

C. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question

D. Data in statements I and II together are NOT sufficient to answer the question

Q79 Word Based Problems

Given the word "FARMING," after replacing each vowel with the next letter and each consonant with the previous letter in the English alphabetical order, which letter occupies the fourth position from the left in the new letter cluster thus formed?

A. E

B. Q

C. L



D. J

Q80 Missing Number

Which of the following options should come in place of the question mark (?) in the given series?

22 28 35 43 52 ?

A. 72

B. 62



C. 63

D. 60



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Q81 Appointments & Resignations

Who was appointed as the Chairperson of the Department-related Parliamentary Standing Committee on Science and Technology, Environment, Forests and Climate Change in May 2026?

A. Medha Vishram Kulkarni ✓

B. Dr. Jitendra Singh

C. Sudheer Gupta

D. Om Birla

Q82 Digital India Updates

Which Indian state signed a Letter of Intent (LoI) with SpaceX's Starlink in February, 2026, to provide high-speed satellite internet to its remote and tribal regions?

A. Maharashtra

B. Gujarat ✓

C. Odisha

D. Rajasthan

Q83 Digital India Updates

In April 2026, what was the name of the Cyber Security Awareness Training Programme launched by C-DAC, Hyderabad and Reliance Foundation to enable one million women across rural India to participate safely in the digital ecosystem?

A. Cyber Sakhi Bharat

B. SafeNet Women

C. e-SafeHER ✓

D. Digital Suraksha Abhiyan

Q84 Environment Current Affairs

What is the primary objective of India's National Clean Air Programme (NCAP) by 2025–26?

A. Banning all diesel-operated public transport in urban regions

B. Introducing carbon taxes on household electricity consumption

C. Achieving up to 40% reduction in PM10 concentrations in targeted cities ✓

D. Replacing thermal power plants with hydroelectric stations nationwide

Q85 International Awards

Which literary prize was jointly awarded in 2026 to author Yang Shuangzi and translator Lin King for the novel Taiwan Travelogue, marking the first work originally written in Mandarin Chinese to receive the honour?

A. Pulitzer Prize for Fiction

B. International Booker Prize ✓

C. Women's Prize for Fiction

D. Nobel Prize in Literature

Q86 Key Announcements

The increased allocation for PMAY-G in the Union Budget 2026–27 is primarily intended to support which of the following?

A. Expansion of rural railway infrastructure

B. Construction of pucca houses for eligible rural families ✓

C. Modernization of agricultural markets

D. Promotion of digital banking services

Q87 Literary & Sports Awards

Which Indian hockey player was named the Men's Player of the Year at the Hockey India 8th Annual Awards?

A. Mandeep Singh

B. Hardik Singh ✓

C. Vivek Sagar Prasad

D. Harmanpreet Singh

Q88 Lok Sabha (Composition, Speaker)

In April 2026, the Constitution (131st Amendment) Bill, 2026, proposed increasing the maximum strength of the Lok Sabha to which of the following limits?

A. 950 members including Union Territories

B. 750 members including Union Territories

C. 650 members including Union Territories

D. 850 members including Union Territories ✓



Q89 Missile Tests & Systems

In May 2026, which DRDO laboratory successfully conducted a long-duration test of the Actively Cooled Full Scale Scramjet Combustor, marking a breakthrough in hypersonic missile development?

- A. Defence Research & Development Laboratory (DRDL) ✓
- B. Defence Electronics Research Laboratory (DLRL)
- C. Aeronautical Development Establishment (ADE)
- D. Research Centre Imarat (RCI)

Q90 National Current Affairs

Who won the Rahuri seat in the Maharashtra by-election 2026?

- A. Devendra Fadnavis
- B. Sharad Pawar
- C. Sunil Tatkare
- D. Akshay Kardile ✓

Q91 National Current Affairs

In which state did Prime Minister Narendra Modi inaugurate Kaynes Semicon Plant in March 2026 to strengthen India's semiconductor ecosystem?

- A. Karnataka
- B. Andhra Pradesh
- C. Gujarat ✓
- D. Uttar Pradesh

Q92 National Themed Days

In January 2026, the National Youth Day in India was observed to commemorate the birth anniversary of which personality?

- A. Mahatma Gandhi
- B. Rabindranath Tagore
- C. Subhas Chandra Bose
- D. Swami Vivekananda ✓

Q93 New Guidelines & Regulations

What strategic framework did the Central Board of Directors of the RBI approve during its March 2026 meeting in Patna?

- A. Utkarsh 2.0
- B. Payments Vision 2025
- C. Utkarsh 3.0 ✓
- D. National Strategy for Financial Inclusion (2026-29)

Q94 Rankings & Reports

According to the QS World University Rankings 2026, which Indian institution emerged as the highest-ranked Indian institute globally by securing the 123rd position and improving from 150th rank in 2025?

- A. Indian Institute of Technology Delhi (IIT Delhi) ✓
- B. Jawaharlal Nehru University (JNU)
- C. Indian Institute of Science Bengaluru (IISc Bengaluru)
- D. Indian Institute of Technology Bombay (IIT Bombay)

Q95 Recent Tournaments

Who among the following became the champion of the 2026 Australian Open women's singles tournament after defeating world No. 1 Aryna Sabalenka in the final held at Melbourne Park, Australia?

- A. Mirra Andreeva
- B. Iga Świątek
- C. Coco Gauff
- D. Elena Rybakina ✓

Q96 Recent Tournaments

In May 2026, which of the following international football events saw India's men's team compete with teams from Africa and the Caribbean in England?

- A. Inter Continental Cup
- B. King's Cup
- C. Unity Cup ✓
- D. Merdeka Tournament

Q97 Recent Tournaments

Where was the 29th National Federation Senior Athletics Championships scheduled to be held in May 2026?

- A. Bhubaneswar
- B. Patiala
- C. Patna
- D. Ranchi ✓

Q98 Science & Technology Current Affairs

The 'Moonshot' project, launched by the Indian Institute of Science (IISc) in March 2026, primarily aims to develop which technology?

- A. Quantum communication satellites
- B. AI-powered humanoid robots
- C. Reusable launch vehicles
- D. Brain co-processors ✓



Q99 Species Conservation

In March 2026, the Central Bureau of Investigation (CBI) Court Lucknow (Uttar Pradesh) convicted and sentenced six private persons to imprisonment for two years with a fine of Rs. 10,000 each in a significant wildlife smuggling case involving illegal possession and trade of _____.

- A. Jackal and elephant body parts
- B. Tiger and leopard body parts ☒
- C. Tiger and rhinoceros body parts
- D. Lion and rhinoceros body parts

Q100 Summits & Conferences

Which international platform did India host in New Delhi in November 2025 to reaffirm its commitment to "Inclusive Disaster Risk Data Governance" and regional cooperation for disaster resilience?

- A. The World Economic Forum (WEF)
- B. The Coalition for Disaster Resilient Infrastructure (CDRI)
- C. The United Nations Framework Convention on Climate Change (UNFCCC)
- D. The Asian and Pacific Centre for Development of Disaster Information Management (APDIM) ☒



General Science

25 Questions • Answer Key

Q1 Atomic Structure & Models

Which of the following elements do not possess neutrons inside their nucleus?

- A. helium
- B. argon
- C. neon
- D. hydrogen



Q2 Atoms & Molecules

What does the formula unit mass of a substance represent?

- A. Product of atomic numbers of all atoms in a molecule
- B. Ratio of atomic masses of metal and nonmetal atoms
- C. Difference between molecular and atomic masses
- D. Sum of atomic masses of all atoms in a formula unit



Q3 Cell Biology

Which of the following pairs is **INCORRECT**?

- A. Embryo — Uses programmed cell death for shaping
- B. Malignant — Tissue invasion
- C. Cancer Cell — Controlled division
- D. Normal Cell — Definite lifespan



Q4 Cell Biology

Cell culture refers to the process of growing cells _____.

- A. outside the body
- B. without nutrients
- C. only in soil
- D. inside the body



Q5 Chemistry

Which branch of chemistry is most concerned with reactions taking place within living cells?

- A. Analytical chemistry
- B. Physical chemistry
- C. Inorganic chemistry
- D. Biochemistry



Q6 Circulatory System (Heart, Blood)

Oxygen is transported in human blood mainly by binding with the pigment _____.

- A. Chlorophyll
- B. Haemoglobin
- C. Myoglobin
- D. Plasma



Q7 Circulatory System (Heart, Blood)

In double circulation, which vessel delivers oxygenated blood to the heart?

- A. Pulmonary vein
- B. Pulmonary artery
- C. Aorta
- D. Vena cava



Q8 Five Kingdom Classification

A scientist discovers a single-celled eukaryotic organism. Which key feature distinguishes it from Monera in the five kingdom system?

- A. Cell wall made of chitin
- B. Multicellular organization
- C. Presence of a membrane-bound nucleus
- D. Autotrophic mode of nutrition



Q9 Five Kingdom Classification

During a field study, a student finds an organism that is multicellular, lacks cell walls, and depends on others for food. According to the five kingdom classification, to which kingdom should this organism belong?

- A. Fungi
- B. Monera
- C. Plantae
- D. Animalia



Q10 Important Salts & Their Uses

When carbon dioxide (CO_2) reacts with sodium hydroxide (NaOH), the salt formed is:

- A. sodium nitrate
- B. sodium sulphate
- C. sodium chloride
- D. sodium carbonate ✓

Q11 Magnetic Effects of Current

Why does one end of a solenoid behave as a north pole and the other as a south pole?

- A. The insulation creates the poles
- B. The solenoid is naturally magnetic
- C. The current creates a similar magnetic effect to a bar magnet ✓
- D. There is no current in the solenoid

Q12 Magnetic Effects of Current

A student observes that the compass needle deflection decreases as it moves farther from a current-carrying straight conductor. What is the most likely reason for this observation?

- A. The shape of the wire affects field strength only at close distances
- B. The Earth's magnetic field becomes stronger with distance
- C. The electric current in the conductor decreases with distance
- D. The magnetic field strength decreases as the distance from the conductor increases ✓

Q13 Mechanics

Which of the following quantities does the slope of a velocity-time graph represent for an object in motion?

- A. Force
- B. Speed
- C. Acceleration ✓
- D. Displacement

Q14 Mechanics

An ideal inclined plane is 20 m long and raises a load through a vertical height of 4 m. Compared to lifting the load straight up, the effort required to move the load up the plane is _____.

- A. One-fifth of the load ✓
- B. Equal to the load
- C. One-fourth of the load
- D. One-half of the load

Q15 Mechanics

Which statement best describes the direction of velocity in uniform circular motion?

- A. It is always tangent to the circle at any point ✓
- B. It is always directed towards the center
- C. It is always along the radius away from the center
- D. It is always perpendicular to the plane of the circle

Q16 Metals & Non-Metals

Anodizing is a process of forming a thick oxide layer of which of the following metals through an electrolytic process?

- A. iron
- B. aluminium ✓
- C. zinc
- D. copper

Q17 Mirrors & Lenses

A student observes an image that is inverted and smaller than the object when using a mirror. What type of magnification is being observed?

- A. The magnification is equal to one and positive
- B. The magnification is less than one and negative ✓
- C. The magnification is greater than one and negative
- D. The magnification is greater than one and positive

Q18 Mixtures, Solutions, Colloids

Which of the following is true about suspensions?

- A. They are transparent
- B. The solute particles settle down on standing ✓
- C. They do not scatter light
- D. The solute dissolves completely



Q19 Nervous System & Brain

Where are reflex arcs primarily formed in the human body?

- A. Heart
- B. Lungs
- C. Brain
- D. Spinal cord

**Q20 Plant Hormones**

What is the term for the growth of plant roots downward in response to gravity?

- A. Phototropism
- B. Geotropism
- C. Chemotropism
- D. Hydrotropism

**Q21 Properties & Tests**

A student adds hydrochloric acid to sodium hydrogen carbonate. Which observation confirms neutralization?

- A. Color turns red
- B. Precipitate forms
- C. Temperature drops
- D. Effervescence

**Q22 Reflection & Refraction**

During sunrise or sunset, why does the Sun's disc appear flattened when observed from Earth?

- A. Because of absorption of sunlight by air
- B. Due to gravitational lensing by Earth
- C. Due to atmospheric refraction bending light unevenly across the Sun's disc
- D. Because of scattering of sunlight in the atmosphere

**Q23 SI Units & Dimensions**

Which of the following is NOT a correct unit of work done?

- A. newton-meter
- B. pascal
- C. watt-second
- D. joule

**Q24 Separation Techniques**

In an industrial process, a mixture of products is obtained when a hydrocarbon undergoes halogenation. Which method can be used to separate the monosubstituted product?

- A. Combustion
- B. Filtration
- C. Distillation
- D. Precipitation

**Q25 Wave Properties (Frequency, Wavelength)**

A sound wave with a frequency of 15 Hz would be best categorized as which type?

- A. Hypersonic sound
- B. Ultrasonic sound
- C. Audible sound
- D. Infrasonic sound

**Mathematics**

25 Questions • Answer Key

Q26 Age in Ratio Form

The present ages of a father and his son are in the ratio 9 : 4. After 10 years, the ratio of their ages will be 11 : 6. What is the father's present age?

- A. 36 years
- B. 54 years
- C. 45 years
- D. 27 years

**Q27 Annual Compounding**

At what rate per cent per annum will a certain sum of money multiply itself by 4 times in 2 years, interest being compounded annually?

- A. 75
- B. 100
- C. 50
- D. 200



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Q28 Basic CI Calculation

What is 24% of the sum of the compound interest earned on ₹12,500 at 10% per annum for 2 years and the simple interest earned on ₹47,500 at 13% per annum for 2 years?

A. ₹2,596

B. ₹2,594

C. ₹3,594

D. ₹3,596

Q29 Basic TSD

Kaushal travelled for 23 hours 30 minutes at the speed of 52 km/h. At what speed (in km/h) should he travel to cover the same distance in 13 hours?

A. 94

B. 95

C. 92

D. 93

Q30 CP-SP Relation

Rajat sells a property to his friend at 10% loss. If the friend sells it for 10,80,000 and gains 20%, then for how much did Rajat buy the property?

A. 9,00,000

B. 9,20,000

C. 10,00,000

D. 9,80,000

Q31 Combined Work Rate

Veer can prepare one wooden table in 2 days, and Manoj can prepare the same table in 4 days. If they work together, in how many days will they prepare 111 tables?

A. 152

B. 144

C. 148

D. 150

Q32 Family Age Problems

The ratio of the ages of Aisha and her mother is 2 : 5, and the ratio of the ages of Aisha's mother to her brother is 7 : 1. If Aisha's brother is 9 years younger than Aisha, what was Aisha's mother's age five years ago?

A. 30 years

B. 35 years

C. 40 years

D. 25 years

Q33 Find SI

Find the simple interest (in ₹) on ₹1,500 at an interest rate of 3% per month in 7 months.

A. 46.25

B. 315

C. 52.5

D. 26.25

Q34 Finding LCM

The LCM of 48 and 68 is

A. 684

B. 816

C. 864

D. 786

Q35 Mean of Grouped Data

Which of the following shows relation between x and y for the given data if mean of the data is 30?

Class Interval	Frequency
0-10	2
10-20	4
20-30	x
30-40	y
40-50	3

A. $x = y + 10$ B. $y = x + 10$ C. $x = y + 13$ D. $y = x + 13$ **Q36 Percentage Increase/Decrease**

The length of a rectangle is increased by 40%. By what percentage must the breadth be decreased to keep the area constant? (Rounded off to 2 decimal places)

A. 28.57%

B. 30.57%

C. 27.57%

D. 31.57%



Q37 Prime & Composite Numbers

What is the sum of all prime numbers between 0 and 32?

- A. 132
- B. 131
- C. 161
- D. 160

**Q38 Rules for 2,3,4,5,6**

What is the least value that must be assigned to A so that the number 506A2404 is divisible by 3?

- A. 4
- B. 0
- C. 3
- D. 6

**Q39 Successive Discount**

The marked price of a cooker is the same at four shops I, II, III and IV. Shop I allows two successive discounts of 46% and 13%, shop II allows successive discounts of 55% and 69%, shop III allows successive discounts of 47% and 68% and shop IV allows successive discounts of 91%, 98% and 18% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

- A. I
- B. III
- C. II
- D. IV

**Q40 Time-based Partnership**

A and B started a business in partnership by investing ₹20,000 and ₹15,000, respectively. After six months, C joined them with ₹20,000. What will be B's share in the total profit of ₹20,000 earned at the end of 2 years from the start of the business?

- A. ₹7,200
- B. ₹5,400
- C. ₹6,000
- D. ₹6,800

**Q41 Two Successive Changes**

A car was originally priced at ₹5,00,000. After a 12% price increase, it is now being sold for ₹5,60,000. If the price is further decreased by 5%, what is the final price of the car?

- A. ₹5,25,000
- B. ₹5,30,000
- C. ₹5,32,000
- D. ₹5,35,000

**Q42 Two Variables (Simultaneous)**

The sum of two numbers is 1040. If the bigger number is decreased by 4% and the smaller number is increased by 12%, then the numbers obtained are equal. Find the two numbers.

- A. 500, 640
- B. 560, 480
- C. 600, 440
- D. 520, 520

**Q43 Upstream/Downstream**

A boat travels 45 km upstream in 9 hours and 72 km downstream in 6 hours. Find the speed of the stream.

- A. 3.5 km/hr
- B. 2.5 km/hr
- C. 1.5 km/hr
- D. 2 km/hr

**Q44 Weighted Average**

The average score of a cricketer in four matches is 45 and in six other matches is 65. Find the average score in all ten matches.

- A. 56
- B. 57
- C. 58
- D. 55



Q45 Full Circle

The sides of a rectangular field are 35 m and 110 m long. Its area is equal to the area of a circular field. What is the perimeter (in m) of the circular field?

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

A. 189

B. 227

C. 222

D. 220

**Q46** Mean of Grouped Data

If the mean of the following data is 46, then what is the value of x?

Class	10-20	20-30	30-40	40-50	50-60
Frequency	24	16	25	49	x

A. 181

B. 156

C. 147

D. 137

**Q47** Pythagorean Identities

If $\operatorname{cosec}^2 \theta + \cot^2 \theta = \frac{7}{2}$, $0^\circ < \theta < 90^\circ$, then find the value of $\sqrt{5} \cos \theta + \sin \theta$.

A. $\frac{7}{3}$ B. $\frac{3}{5}$ C. $\frac{5}{3}$ D. $\frac{3}{7}$ **Q48** Quadrilaterals

In quadrilateral PQRS, $\angle P = 105^\circ$, $\angle Q = 65^\circ$ and $\angle R = \angle S$. Find the measure of $2\angle P + \angle S$ –

A. 240° B. 205° C. 183° D. 259° 

Q49 Trigonometric Identities

Find the value of $\frac{(\sin A + \cos A)^2 - (\sin A - \cos A)^2}{(1 + \sin A)(1 - \cos A) - (\sin A - \cos A) - 1}$.

A. -3

B. 4

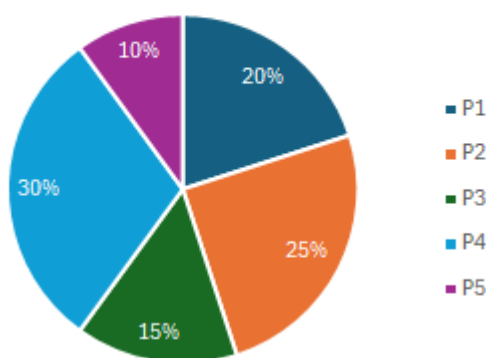
C. 3

D. -4

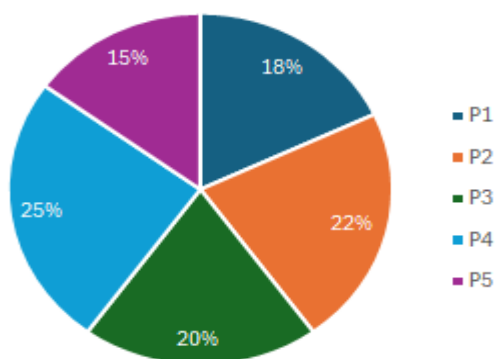
**Q50** Year-on-Year Comparison

A company sells five products: P1, P2, P3, P4, and P5. The two pie charts show percentage contribution to total sales revenue in 2023 and 2024. Study the pie charts and answer the question that follows.

Pie Chart 1 – 2023 (Total Revenue ₹200 crore)



Pie Chart 2 – 2024 (Total Revenue ₹240 crore)



What percentage of the combined two-year total revenue was earned from P2 (rounded off to two decimal places)?

A. 26.08%

B. 23.36%

C. 24.11%

D. 25.52%



Q51 Alphabetical Pattern

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

DHC FJE HLG JNI ?

A. LPJ

B. LPK



C. LOK

D. LOJ

Q52 Direct Relations

J is the mother of U. U is the sister of N. D is the father of R. R is the son of N. How is J related to D?

A. Wife

B. Mother

C. Wife's sister

D. Wife's mother

**Q53 Floor/Building Arrangement**

P, Q, R, S, T and U live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on, till the topmost floor, which is numbered 6.

U lives on floor number 5. R lives on a floor above U. Only S lives below T. Q lives on an even-numbered floor. How many people live below P?

A. Two



B. Three

C. One

D. Four

Q54 Floor/Building Arrangement

Seven boxes I, J, K, Q, R, S and T are kept one over the other but not necessarily in the same order. T is kept immediately above S. J is kept immediately above K. Only Q is kept above I. Only one box is kept between Q and T. J is not kept at the third position from the bottom. How many boxes are kept between R and Q?

A. One

B. Two

C. Four

D. Three

**Q55 Letter Analogy**

IN 28 is related to JQ 17 in a certain way. In the same way, TT 20 is related to UW 9. To which of the following is PU 16 related, following the same logic?

A. RW 7

B. RX 7

C. QW 5

D. QX 5

**Q56 Letters in a Given Word**

This question is based on the given words.

SUN EGO APT CUB

If in each of the words, each letter is changed to the letter immediately following it in the English alphabetical order, how many group of letters thus formed will have no vowel?

A. One

B. Two



C. None

D. Three

Q57 Letters in a Given Word

This question is based on the given words.

YES SIP TAR PUN

If in each of the words, each letter is changed to the letter immediately following it in the English alphabetical order, how many group of letters thus formed will have no vowel?

A. 1

B. 4

C. 2



D. 3

Q58 Mathematical Operations

If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 7168543, how many digits will appear more than once in the new number thus formed?

A. Two

B. None

C. Three



D. One



Q59 Missing Number

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

6 11 16 21 26 ?

A. 30

B. 28

C. 31



D. 27

Q60 Operation Based

Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, a certain mathematical operation on the second number results in the third number and so on. Which of the given options follows the same set of operations as in the question? (NOTE: A two/three digit number cannot be broken into individual digits for operations. E.g. if 37 is followed by 10, the operation cannot be $3+7$ as a two-digit number cannot be broken into individual digits.)

22 - 32 - 64 - 128;

24 - 34 - 68 - 136

A. 18 - 28 - 56 - 66

B. 9 - 19 - 38 - 76



C. 21 - 42 - 52 - 104

D. 19 - 38 - 48 - 96

Q61 Operation Based

13 is related to 143 following a certain logic. Following the same logic, 5 is related to 15. To which of the given options is 7 related, following the same logic?

(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 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.)

A. 35



B. 56

C. 42

D. 36

Q62 Operator Swap

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

$$24 \div 4 + 6 - 2 \times 3 = ?$$

A. 6

B. 15



C. 9

D. 12

Q63 Operator Swap

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

$$9 - 34 + 38 \times 18 \div 27 = ?$$

A. -12

B. -13

C. -14



D. -16

Q64 Pattern Based

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

YZC-FGJ

UVY-BCF

A. RRT-XYB

B. RSV-XZB

C. RSV-YZC



D. RRT-YZC

Q65 Pattern Based

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

FUEL - LFEU - ELFU

MINT - TMNI - NTMI

A. DUSK - KDUS - SKDU

B. NOTE - ENTO - OTEN

C. PACE - EPCA - CPAE

D. EARL - LERA - RLEA



Q66 Position Pattern

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

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

A. YE - GK

B. CI - KO

C. KQ - SW

D. RA - ZJ

**Q67 Position Pattern**

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. SUW

B. PRT

C. HJL

D. DFI

**Q68 Position from Left/Right**

Rohit ranked 90th from the top and 56th from the bottom in his class. How many students are there in the class?

A. 146

B. 145



C. 136

D. 135

Q69 Rearrangement of Letters

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

A. One



B. Three

C. Two

D. Zero

Q70 Rearrangement of Letters

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

A. None



B. Three

C. Two

D. One

Q71 Single Row (One-way/Both-way)

Seven students, I, J, K, P, Q, R and Z, are sitting in a row, facing north.

Q sits to the immediate right of R. Only three people sit between I and J. P sits to the immediate left of J. No one sits to the right of K. Only two people sit between K and P. How many people sit between Z and Q?

A. One

B. Four

C. Two



D. Three

Q72 Single Row (One-way/Both-way)

Six friends E, F, G, H, L and M are sitting in a straight line, facing north. No one sits to the right of M. Only three people sit between M and F. Only two people sit between E and M. H sits third to the left of G. How many people sit between L and H?

A. Two

B. Three



C. One

D. Four

Q73 Symbol Based

In a certain code language,
 $A \neq B$ means 'A is the wife of B',
 $A \text{ ₹ } B$ means 'A is the father of B',
 $A \div B$ means 'A is the daughter of B' and
 $A \leq B$ means 'A is the mother of B'.

Based on the above, how is P related to R if ' $P \text{ ₹ } A \div G \leq E \neq R$ '?

A. Wife's brother

B. Wife's father



C. Wife's father's brother

D. Wife's sister



Q74 Symbol Included Pattern

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

(Left) 4 G @ H J * P R % 7 E & L T 5 \$ 6 ! 3 M # (Right)

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

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

Q75 Symbol Included Pattern

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

(Left) 4 8 @ 3 € 8 & 6 * 6 © 6 \$ £ & 5 7 \$ \$ # 8 \$ (Right)

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

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

Q76 Symbol Included Pattern

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

(Left) € # 6 2 @ # 1 6 @ 1 € \$ 3 9 \$ 2 4 4 * £ 6 6 (Right)

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

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

Q77 Two Statement Sufficiency

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Question:

Among L, M, N, O, and P each having a different age, who is the second youngest?

Statements:

I. O is older than M and L but younger than P.

II. N is older than O. L is not the youngest.

- A. Data in Statement II alone is sufficient to answer the question while data in statement I is not
- B. Data in Statement I alone is sufficient to answer the question while data in statement II is not
- C. Both statements I and II together are NOT sufficient to answer the question
- D. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.

Q78 Two Statement Sufficiency

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements is sufficient to answer the question. Read both the statements and select the appropriate answer.

Q. Abhi, Bani, Chari, Dipu and Epi are sitting around a circular table, facing the centre. Who sits second to the left of Dipu?

(I) Abhi sits second to the right of Chari. Dipu sits to the immediate right of Bani.

(II) Epi sits second to the right of Dipu. Bani sits second to the right of Epi.

- A. Data in statements I and II together are NOT sufficient to answer the question.
- B. Data in statement II alone is sufficient to answer the question while data in statement I is not.
- C. Data in statement I alone is sufficient to answer the question while data in statement II is not.
- D. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.



Q79 Two Statement Syllogism

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

Statements: All balls are cameras. All fins are cameras.

Conclusions:

- (I) Some balls are fins.
(II) Some cameras are fins.

A. Only conclusion (II) follows.



B. Only conclusion (I) follows.

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

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

Q80 Two Statement Syllogism

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

Statements: Some muds are stadiums. No stadium is a ground.

Conclusions:

- (I) Some muds are grounds.
(II) Some stadiums are muds.

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

B. Only conclusion (I) follows.

C. Only conclusion (II) follows.



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

General Awareness**20 Questions • Answer Key****Q81 Appointments & Resignations**

Who was appointed as the new Vice-Chairman of NITI Aayog in April 2026?

A. Ashok Kumar Lahiri



B. Sanjay Kumar

C. Vir Vikram Yadav

D. Shashi Shekhar Vempati

Q82 Biodiversity Updates

The 7th meeting of the National Board for Wildlife (NBWL) held in March 2025, was chaired by the Prime Minister at which National Park?

A. Jim Corbett National Park

B. Gir National Park



C. Bandipur National Park

D. Kaziranga National Park

Q83 Constitutional Posts

Who was elected as the Chief Minister of Tamil Nadu in May 2026?

A. C. Joseph Vijay



B. Udhayanidhi Stalin

C. Edappadi K. Palaniswami

D. M. K. Stalin

Q84 Cricket (IPL, WC, etc.)

Which of the following teams won the Vijay Hazare Trophy 2025–26?

A. Karnataka

B. Mumbai

C. Vidarbha



D. Saurashtra

Q85 Famous Works & Authors

Which internationally acclaimed author, best known for 'The Fault in Our Stars', will make his adult fiction debut with the novel 'Hollywood, Ending' in September 2026?

A. David Levithan

B. Angie Thomas

C. John Green



D. Rainbow Rowell

Q86 Famous Works & Authors

The novel "John of John", published in May 2026 and selected as an Oprah's Book Club Pick, is authored by which Booker Prize-winning writer?

A. Kazuo Ishiguro

B. Salman Rushdie

C. Douglas Stuart



D. Andrew O'Hagan

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Q87 Government Policies & Schemes

In April 2026, the Ministry of Social Justice and Empowerment launched the NMBA 2.0 App to strengthen monitoring under which of the following campaigns?

A. Beti Bachao Beti Padhao

B. Nasha Mukht Bharat Abhiyaan



C. Fit India Movement

D. Poshan Abhiyaan

Q88 Government Policies & Schemes

The achievement of 20% ethanol blending in petrol by India in 2025, as highlighted by the Union Minister of Petroleum and Natural Gas, primarily supports which national objective?

A. Reducing agricultural output

B. Expanding coal-based power generation

C. Promoting clean and renewable energy



D. Increasing crude oil imports

Q89 Missile Tests & Systems

Which DRDO-developed indigenous system successfully completed maiden flight trials in May 2026 and can enable conventional aerial bombs to function as precision-guided glide weapons?

A. Tactical Advanced Range Augmentation (TARA) system



B. Indigenous Naval Strike Augmentation (INSA) system

C. Terminal Aviation Reconnaissance Assembly (TARA-II) system

D. Strategic Air Defence Rocket Application (SADRA) system

Q90 Missile Tests & Systems

Which organisation collaborated with DRDO to successfully conduct the launch of the Agni-Prime missile in September 2025?

A. Indian Space Research Organisation (ISRO)

B. Strategic Forces Command (SFC)



C. Defence Acquisition Council (DAC)

D. Indian Army Artillery Corps

Q91 Missile Tests & Systems

Which of the following organisations successfully flight-tested the indigenously developed third-generation fire-and-forget Man Portable Anti-Tank Guided Missile (MPATGM) with top-attack capability in January 2026?

A. Department of Ex-Servicemen Welfare

B. Hindustan Aeronautics Limited

C. Department of Defence Production

D. Defence Research and Development Organisation



Q92 Modern Indian Authors

In May 2026, the Vice President of India released *The Library Man of India: The Story of P.N. Panicker*. Who authored this book?

A. Shivraj Singh Chouhan

B. Shashi Tharoor

C. P. P. Sathyan



D. Vijay Goel

Q93 National Current Affairs

Who was the BJP leader who defeated AAP's Manoj Tyagi in the Karawal Nagar constituency in the 2025 Delhi Legislative Assembly elections?

A. Ravinder Indraj Singh

B. Ashish Sood

C. Kapil Mishra



D. Pankaj Kumar Singh

Q94 National Current Affairs

Which party won the 2025 Delhi Legislative Assembly elections with a clear majority?

A. Aam Aadmi Party (AAP)

B. Indian National Congress (INC)

C. Bahujan Samaj Party (BSP)

D. Bharatiya Janata Party (BJP)



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Q95 New Apps & Portals

Which purpose was associated with JANANI (Journey of Antenatal, Natal and Neonatal Integrated Care), the service-oriented digital platform launched by the Ministry of Health and Family Welfare in 2026?

- A. Providing automated virtual consultation and telemedicine services to elderly citizens in rural areas
- B. Managing nationwide cold-chain logistics and real-time inventory of infant vaccines across districts
- C. Facilitating direct benefit cash transfers to eligible pregnant women under institutional delivery schemes
- D. Seamless tracking and monitoring of maternal and child health services ✓

Q96 Rate Changes

The RBI's Monetary Policy Committee, in its October 2025 meeting, kept the **repo rate unchanged at:**

- A. 6.00%
- B. 5.00%
- C. 4.75%
- D. 5.50% ✓

Q97 Recent Tournaments

Which athlete won the gold medal in the Men's 400 m Run T46/T47 event at the World Para Athletics Grand Prix 2026?

- A. Devendra Jhajharia
- B. Bhavikkumar Din Bharwad ✓
- C. Mariyappan Thangavelu
- D. Nishad Kumar

Q98 Recent Tournaments

In which Indian state were the 60th National Cross Country Championships hosted in January 2026?

- A. Bihar
- B. Punjab
- C. Odisha
- D. Jharkhand ✓

Q99 Recent Tournaments

Which of the following mascots represents the United States for the FIFA 2026 World Cup?

- A. Zayu the Jaguar
- B. Clutch the Bald Eagle ✓
- C. Misha the Friendly Bear
- D. Maple the Moose

Q100 Treaties & Agreements

In May 2026, the Government of India launched the Country Strategic Opportunities Programme (COSOP) 2026–2033 in partnership with which international organisation to strengthen rural incomes, resilience, and sustainable livelihood opportunities?

- A. Food and Agriculture Organization
- B. Asian Development Bank
- C. International Fund for Agricultural Development ✓
- D. World Bank



General Science

25 Questions • Answer Key

Q1 Atomic Structure & Models

If two atoms of the same element have different mass numbers but the same number of protons, which subatomic particle is responsible for this difference?

- A. Proton
- B. Electron
- C. Positron
- D. Neutron

**Q2 Atomic Structure & Models**

Which arrangement correctly shows the distribution of electrons in the orbits of the element sodium (atomic number 11)?

- A. 1,8,2
- B. 2,8,1
- C. 2,9
- D. 3,9

**Q3 Basic Organic Chemistry**

Considering the versatility of carbon, which scenario most accurately represents its role in environmental science?

- A. Formation of carbon dioxide in respiration
- B. Use of calcium carbonate in bones
- C. Formation of sodium carbonate in water
- D. Formation of magnesium oxide in rocks

**Q4 Cell Biology**

Name the process of selective cell destruction that helps in the formation of separate fingers during embryonic development.

- A. Programmed cell death
- B. Mitosis
- C. Meiosis
- D. Plasmolysis

**Q5 Chemical Bonding (Ionic, Covalent)**

Which property is most commonly observed in ionic compounds like sodium chloride?

- A. Low melting and boiling points
- B. High electrical conductivity in solid state
- C. High melting and boiling points
- D. Poor electrical conductivity in molten state

**Q6 Circulatory System (Heart, Blood)**

The absence of a nucleus in mature RBCs provides more room for _____, which carries oxygen to the body.

- A. Lysosomes
- B. Chlorophyll
- C. DNA
- D. Hemoglobin

**Q7 Echo, Resonance, Doppler Effect**

How does a stethoscope use the principle of reflection of sound?

- A. By absorbing sound waves
- B. By filtering sound by frequency
- C. By directing sound outward
- D. Through multiple reflections within its tube to transmit heartbeat sounds

**Q8 Ecosystem & Food Chain**

If all the snakes in a food chain disappear, what will be the immediate effect on the food chain?

- A. Frog population will increase
- B. Grass population will decrease
- C. Tiger population will increase
- D. Tree population will decrease



Q9 Excretory System (Kidney)

Match the excretory product in **Column A** with the organ that removes it in **Column B**.

Column A (Excretory Product)	Column B (Organ)
(a) Urea	(i) Liver
(b) Carbon dioxide	(ii) Lungs
(c) Excess salts	(iii) Skin
(d) Bile salts	(iv) Kidney

A. a-iv, b-ii, c-iii, d-i



B. a-iii, b-iv, c-ii, d-i

C. a-ii, b-i, c-iv, d-iii

D. a-iv, b-iii, c-i, d-ii

Q10 Five Kingdom Classification

A clinical investigation identifies a unicellular, motile, eukaryotic organism that ingests bacteria for food. Which is the best position for this organism in the five kingdom system?

A. Animalia

B. Fungi

C. Monera

D. Protista

**Q11 Important Salts & Their Uses**

Which of the following is NOT a use of bleaching powder?

A. Bleaching cotton and linen

B. Manufacturing chloroform

C. Removing hardness of water



D. Disinfecting drinking water

Q12 Magnetic Effects of Current

Which rule is used to determine the direction of the magnetic field at the centre of a circular current-carrying loop?

A. Ohm's law

B. Joule's law of heating

C. Right-hand thumb rule



D. Fleming's left hand rule

Q13 Magnetic Effects of Current

A technician wants to decrease the magnetic effect around a current-carrying wire without changing the wire's material or environment. Which method should be used?

A. Make the wire thinner without changing the current

B. Increase the length of the wire used

C. Reduce the amount of current flowing through the wire



D. Change the wire's path to a straight line

Q14 Mechanics

A cyclist travels 60 metres north and then 80 metres south in 20 seconds. What is the magnitude of his average velocity?

A. Five metres per second

B. Seven metres per second

C. Zero metres per second

D. One metre per second

**Q15 Mirrors & Lenses**

A real, inverted image is formed at a distance of 30 cm in front of a concave mirror when an object is placed 60 cm from the mirror. Which statement best describes the focal length of the mirror?

A. The focal length of the mirror is - 20 cm



B. The focal length of the mirror is + 10 cm

C. The focal length of the mirror is + 15 cm

D. The focal length of the mirror is - 30 cm

Q16 Mirrors & Lenses

If a lens produces an image twice as tall as the object, what is the magnification produced by the lens?

A. 0.5

B. 2



C. 1

D. -2

Q17 Mixtures, Solutions, Colloids

Which of the following is a property of a suspension?

A. Can be separated by filtration



B. Particles do not settle down

C. Homogeneous mixture

D. Particles are smaller than 1 nm



Q18 Newton's Laws of Motion

Seat belts in cars are provided to protect passengers during sudden braking or collision because of:

A. Inertia of motion



B. Friction

C. Inertia of rest

D. Inertia of direction

Q19 Properties & Tests

Which products are always formed during a complete neutralization chemical reaction?

A. Acid and base

B. Salt and water



C. Gas and salt

D. Metal and gas

Q20 Respiratory System

What are the end products formed during anaerobic respiration in yeast cells?

A. Glucose and oxygen

B. Water and oxygen

C. Lactic acid and water

D. Ethanol and carbon dioxide

**Q21 Respiratory System**

A field ecologist studies fish in a high-altitude lake with low oxygen. Which structural adaptation in the gills would most likely be observed?

A. Greater surface area for gas exchange



B. Reduced blood flow in gills

C. Fewer capillaries in gill tissue

D. Thicker gill membranes

Q25 Respiratory System

Match **Column A** with **Column B**.

	Column A		Column B
(a)	Alveoli	(i)	Prevents food entry into the trachea
(b)	Haemoglobin	(ii)	Gas exchange
(c)	Diaphragm	(iii)	Oxygen transport
(d)	Epiglottis	(iv)	Helps in inhalation

A. a-iv, b-iii, c-ii, d-i

B. a-ii, b-iii, c-iv, d-i



C. a-iii, b-ii, c-iv, d-i

D. a-ii, b-iv, c-iii, d-i

Q22 Soaps & Detergents

How do micelles enable soaps to function effectively in cleaning oily stains from clothes?

A. They chemically break down oily molecules into polar fragments that can evaporate easily.

B. They surround and trap non-polar substances, making them soluble in water



C. They increase the pH of water so that oils form solid precipitates that can be washed away.

D. They coat the fabric surface with a hydrophobic layer that prevents water from sticking.

Q23 Work, Energy & Power

A toy car of mass 0.5 kg moves with speed 2 m/s, Its kinetic energy is:

A. 0.5 J

B. 1 J



C. 2 J

D. 2.5 J

Q24 Work, Energy & Power

A student claims that a stationary object has kinetic energy because it has mass. Evaluate this statement.

A. The statement is incorrect because kinetic energy requires motion



B. The statement is correct because all objects with mass have kinetic energy

C. The statement is correct only for objects on Earth

D. The statement is incorrect because only energy in motion counts as potential energy



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Q26 Annual Compounding

A sum of ₹30,000 is invested in each of two different schemes for 2 years. The first scheme offers compound interest at 8% per annum, compounded annually, while the second scheme offers compound interest at 6% per annum, compounded annually. Find the difference between the compound interest earned from the two schemes.

A. ₹1284



B. ₹1087

C. ₹1344

D. ₹1210

Q27 Annual Compounding

At what rate percent per annum will a certain sum of money multiply itself by 9 times in 2 years, the interest being compounded annually?

A. 75

B. 100

C. 200



D. 150

Q28 Average of Series

The mean of n observations 1, 4, 9, 16, ..., n^2 is 130. What is the value of n ?

A. 15

B. 19



C. 20

D. 13

Q29 Basic TSD

Kaushal travelled for 16 hours 15 minutes at the speed of 64 km/h. At what speed (in km/h) should he travel to cover the same distance in 10 hours?

A. 106

B. 105

C. 104



D. 103

Q30 Combined Work Rate

Krish can prepare one wooden wardrobe in 2 days, and Moksh can prepare the same wardrobe in 4 days. If they work together, in how many days will they prepare 114 wardrobes?

A. 148

B. 156

C. 154

D. 152

**Q31 Congruence & Similarity**

In $\triangle ABC$, D, E and F are the mid-points of sides AB, BC and CA, respectively. Four triangles, $\triangle ADF$, $\triangle BDE$, $\triangle CEF$ and $\triangle DEF$ are formed by using A, B, C, D, E and F.

The following observations are made about these four triangles.

- i. All the four triangles have equal perimeter.
- ii. All the four triangles have equal area.

Which of the following is true regarding the given observations?

A. Both (i) and (ii) are true.



B. Neither (i) nor (ii) is true.

C. Only (i) is true.

D. Only (ii) is true.

Q32 Find SI

Find the simple interest (in ₹) on ₹1,500 at an interest rate of 3% per month in 6 months.

A. 45

B. 270



C. 42.5

D. 22.5

Q33 Laws of Indices

If $x = 5^3 \times 5^2$, then what is the value of $x \div 5^4$?

A. 25

B. 15

C. 10

D. 5



Q34 MP with Discount and Profit

A trader marks his goods at 45% above the cost price and allows a discount of 17% on it. If he gains $x\%$, then value of x is:

- A. 19.35
- B. 22.35
- C. 21.35
- D. 20.35

**Q35 Ratio Comparison**

Which of the following ratios is the greatest?

- A. 7:10
- B. 4:5
- C. 5:7
- D. 3:4

**Q36 Ratio Simplification**

Three-fifths of a certain number is equivalent to 70% of another number. What is the ratio of the first number to the second number?

- A. 5 : 6
- B. 4 : 5
- C. 6 : 7
- D. 7 : 6

**Q37 Round Trip**

A ship takes 15.5 hours for travelling downstream from point M to point N and coming back to a point P midway between M and N. If the speed of the stream is 3.5 kmph and the speed of the ship in still water is 11.5 kmph, what is the distance between M and N?

- A. 105 km
- B. 110 km
- C. 118 km
- D. 120 km

**Q38 Rules for 2,3,4,5,6**

What is the least value that must be assigned to A so that the number 659A9422 is divisible by 3?

- A. 2
- B. 7
- C. 4
- D. 1

**Q39 Simple Mean**

The average marks of 21 students is 32. If the first 10 students' average marks is 30 and the last 10 students' average marks is 31, find the marks of the 11th student.

- A. 60
- B. 62
- C. 65
- D. 64

**Q40 Successive Discount**

The marked price of a cooker is the same at four shops I, II, III and IV. Shop I allows two successive discounts of 97% and 13%, shop II allows successive discounts of 43% and 31%, shop III allows successive discounts of 73% and 14% and shop IV allows successive discounts of 97%, 83% and 24% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

- A. III
- B. II
- C. IV
- D. I

**Q41 Two Persons Age Relation**

Two years ago, Rohit's age was four times that of his son. Five years from now, the ratio of Rohit's age to his son's age will be 5 : 2. What will be the age of his son five years from now?

- A. 18 years
- B. 9 years
- C. 13 years
- D. 14 years

**Q42 Two Successive Changes**

Income of Peter was ₹6,000. The company he worked for came under loss and his salary was reduced by 20%. After a year, the company gave him a 30% increase on the reduced income. Compare Peter's final income with his original income and calculate by how much more or less his final income is.

- A. Less by ₹200
- B. Less by ₹240
- C. More by ₹240
- D. More by ₹200



Q43 Cylinder

A hollow cylindrical pipe is 40 cm long. Its external radius is 8 cm and internal radius is 3 cm. If the material costs ₹1 per cm^3 , then find the cost of the pipe (₹). (Use $\pi = 3.14$)

A. ₹6908



B. ₹6788

C. ₹6160

D. ₹6645

Q44 Full Circle

The sides of a rectangular field are 63 m and 22 m long. Its area is equal to the area of a circular field. What is the perimeter (in m) of the circular field?

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

A. 132



B. 152

C. 146

D. 119

Q45 Mean of Grouped Data

What is the value of $(6x + 9y)$, if mean of the following distribution is 50?

Class	0-20	20-40	40-60	60-80	80-100	Total
Frequency	9	16	x	2	y	70

A. 306



B. 297

C. 312

D. 301

Q46 Single Change

The price of an article becomes ₹18,000 when increased by 12.5%. Find the original income of the

A. ₹20,000

B. ₹18,000

C. ₹16,000



D. ₹14,000

Q47 Surds and Indices

If $x = \sqrt{36} + (5)^2$, then find the value of x.

A. 32

B. 30

C. 31



D. 28



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Q48 Trigonometric Identities

Simplify $(2\cos^2 A - 1)\left(\frac{1 + \tan A}{1 - \tan A} + \frac{1 - \tan A}{1 + \tan A}\right)$.

A. $2\tan^2 A$

B. $2\cos^2 A$

C. 1

D. 2



Q49 Trigonometric Identities

Find the value of $\sqrt{\frac{\tan \theta + \sin \theta}{\tan \theta - \sin \theta}} - \operatorname{cosec} \theta$.

A. $\operatorname{cosec} \theta - \cot \theta$

B. $\operatorname{cosec} \theta$

C. $\operatorname{cosec} \theta + \cot \theta$

D. $\cot \theta$



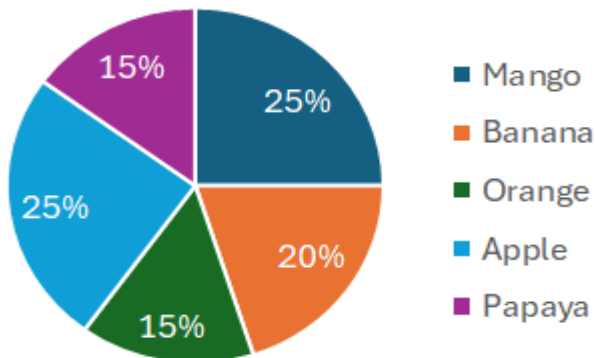
Q50 Year-on-Year Comparison

The two given pie charts show the distribution of production (in tonnes) of different fruits in a farm for Year 2023 and Year 2024. Total production:

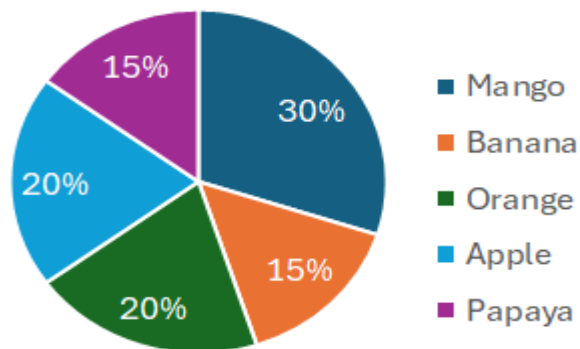
2023 → 2400 tonnes

2024 → 3000 tonnes

Pie Chart (2023)



Pie Chart (2024)



The production of which fruit increased by the highest percentage from 2023 to 2024?

A. Mango

B. Banana

C. Papaya

D. Orange



Q51 Alphabetical Pattern

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

AEH CGJ EIL GKN ?

A. INO

B. IMP



C. INP

D. IMO

Q52 Both Needed Together

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Question:

Five bags – J, K, L, M, and N are of different weights. Among these, which one is the heaviest?

Statements:

(I) M is heavier than K and J but lighter than N.

(II) L is heavier than N. J is not the heaviest.

A. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.



B. Data in Statement II alone is sufficient to answer the question while data in statement I is not

C. Data in Statement I alone is sufficient to answer the question while data in statement II is not

D. Both statements I and II together are NOT sufficient to answer the question

Q53 Both Needed Together

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and select the appropriate answer.

Q. Among five weights – W, X, Y, Z, and V – which is the heaviest?

(I) X is heavier than W and Y but lighter than Z.

(II) V is heavier than X but lighter than Z.

A. Both statements I and II together are NOT sufficient to answer the question.

B. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.



C. Data in statement II alone is sufficient to answer the question while data in statement I is not.

D. Data in statement I alone is sufficient to answer the question while data in statement II is not.

Q54 Day of Week Assignment

Each of G, H, I, B, C, D and E has exam on a different day of a week, starting from Monday and ending on Sunday of the same week.

Only one person has exam between C and G. Only two people have exam before H. Only one person has exam after B. Only three people have exam between H and D. E has exam immediately before C.

How many people have exam between I and C?

A. Three

B. Four

C. Two



D. One

Q55 Direct Relations

H is the father of L. F is the wife of H. T is the mother of F. L is the brother of M. How is T related to M?

A. Mother's mother



B. Brother's wife

C. Sister

D. Wife's mother

Q56 Floor/Building Arrangement

Seven boxes I, J, K, Q, R, S and T are kept one over the other but not necessarily in the same order. Only four boxes are kept above T. Only three boxes are kept between Q and T. Only one box is kept between I and K. K is kept immediately above T. Only four boxes are kept between I and S. J is kept at some place above R. Which box is kept second below J?

A. T



B. R

C. I

D. K

Q57 Letter Analogy

Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

JHL-HFJ

RPT-PNR

A. YWA-WUY



B. YWA-VUX

C. YVY-VTX

D. YVY-WUY



Q58 Letter Analogy

IOLK is related to WCZY in a certain way based on the English alphabetical order. In the same way, MSPO is related to AGDC. To which of the following options is CIFE related, following the same logic?

A. QWER

B. QWSA

C. QYTR

D. QWTS

**Q59 Missing Number**

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

13 20 28 37 47 ?

A. 59

B. 56

C. 57

D. 58

**Q60 Number Series**

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

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

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

A. Four

B. Three

C. Two

D. Five

**Q61 Operation Based**

8 is related to 25 following a certain logic. Following the same logic, 16 is related to 49. To which of the given options is 30 related, following the same logic? (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 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.)

A. 106

B. 81

C. 90

D. 91

**Q62 Operation Based**

Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number result(s) in the second number. Similarly, certain mathematical operation(s) on the second number result(s) in the third number and so on. Which of the given options follows the same set of operations as in the given sets?

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

18 – 8 – 64 – 74;

19 – 9 – 81 – 91

A. 20 – 10 – 100 – 120

B. 12 – 2 – 4 – 2

C. 17 – 7 – 49 – 39

D. 16 – 6 – 36 – 46

**Q63 Pattern Based**

Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

NQS–PSU

KNP–MPR

A. UXZ–WZB



B. UXZ–VZA

C. UWX–WZB

D. UWX–VYA

Q64 Position Pattern

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. OW – XH

B. KS – TD

C. IQ – RB

D. RA – TY



Q65 Position Pattern

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. QSV

B. NPS

C. CEG



D. FHK

Q66 Position from Left/Right

In a row of people all facing the north, Hira is 12th from the left end. Tisha is 22nd from the left end. Tisha is exactly between Hira and Kashish. If Kashish is 13th from the right end of the line, how many people are there in the row?

A. 44



B. 41

C. 42

D. 43

Q67 Rearrangement of Letters

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

A. Three

B. One

C. Two

D. None

**Q68 Rearrangement of Letters**

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

A. Four

B. Two



C. Three

D. One

Q69 Single Row (One-way/Both-way)

Seven students, I, J, K, P, Q, R and Z, are sitting in a row, facing north.

Z sits to the immediate left of K. No one sits to the left of P. Only four people sit between P and I. Only three people sit to the right of J. Q is not an immediate neighbor of J. Who sits at the rightmost end of the row?

A. I

B. Z

C. Q



D. P

Q70 Single Row (One-way/Both-way)

Six friends E, F, G, H, L and M are sitting in a straight line, facing north. Only E sits to the left of G. Only three people sit between E and L. Only H sits between G and F, and G is not an immediate neighbor of L. How many people sit between M and G?

A. Four

B. One

C. Two

D. Three

**Q71 Symbol Based**

In a certain code language,

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

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

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

and A # B means 'A is mother of B'.

How is I related to X if 'I # J + O < P @ X'?

A. Wife's father's brother

B. Wife's father's mother



C. Wife's father's sister

D. Wife's mother

Q72 Symbol Included Pattern

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

(Left) 3 H 7 \$ R @ 9 T % 4 K 2 & M ! 6 P 9 * D # (Right)

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

A. None

B. Two

C. Three



D. One



Q73 Symbol Included Pattern

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

(Left) £ 9 \$ £ £ % € 6 3 3 1 8 & 3 © # * 7 * & 3 & (Right)

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

A. 3

B. 1



C. 2

D. 0

Q74 Symbol Substitution

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

$$25 Q 3 P 10 = ?$$

A. 65



B. 70

C. 60

D. 75

Q75 Symbol Substitution

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

$$8 B 5 D 8 A 2 C 4 = ?$$

A. 43

B. 40



C. 42

D. 41

Q76 Symbol Substitution

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

$$8 F 2 G 4 H 5 I 3 = ?$$

A. 9

B. 8

C. 6



D. 10

Q77 Two Statement Sufficiency

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements is sufficient to answer the question. Read both the statements and select the appropriate answer.

Q. Avi, Bina, Cara, Dola and Emma are sitting around a circular table, facing the centre. Who sits to the immediate right of Emma?

(I) Avi sits to the immediate left of Cara. Dola sits third to the right of Cara.

(II) Bina sits second to the right of Cara. Dola is the immediate neighbour of Avi and Bina.

A. Data in statement II alone is sufficient to answer the question while data in statement I is not.



B. Data in statements I and II together are NOT sufficient to answer the question.

C. Data in statement I alone is sufficient to answer the question while data in statement II is not.

D. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.

Q78 Two Statement Syllogism

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

Statements: All trees are cranes. All cranes are babies.

Conclusions:

(I) Some babies are cranes.

(II) All trees are babies.

A. Only conclusion (I) follows.

B. Only conclusion (II) follows.

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

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

**Q79 Word Based Problems**

This question is based on the given words.

LIP MAT CAN LAD

In each of the words, each vowel 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. In how many letter-clusters thus formed, will no vowel appear?

A. 3



B. 4

C. 2

D. 1



Q80 Word Based Problems

This question is based on the given words.

DOG ASK COD FIT

If in each of the words, each letter is changed to the letter immediately following it in the English alphabetical order, how many group of letters thus formed will have no vowel?

A. One



B. None

C. Two

D. Three

General Awareness

20 Questions • Answer Key

Q81 Climate Agreements & Protocols

Where was the Thirty-Seventh Meeting of the Parties to the Montreal Protocol (MOP37) held in November 2025?

A. Nairobi, Kenya



B. Bangkok, Thailand

C. Geneva, Switzerland

D. Vienna, Austria

Q82 Constitutional Posts

Who took oath as the Chief Minister of Kerala after the 2026 Kerala Legislative Assembly elections?

A. V. D. Satheesan



B. Shashi Tharoor

C. Pinarayi Vijayan

D. K. Sudhakaran

Q83 Cricket (IPL, WC, etc.)

Which team was defeated by India in the final of the 2026 ICC Under-19 Men's Cricket World Cup to secure a record sixth title?

A. New Zealand

B. Australia

C. South Africa

D. England

**Q84 Cricket (IPL, WC, etc.)**

What was the venue of the final match of the 2026 ICC Men's T20 World Cup, where India defeated New Zealand to win the title?

A. M. Chinnaswamy Stadium, Bengaluru

B. Wankhede Stadium, Mumbai

C. Eden Gardens, Kolkata

D. Narendra Modi Stadium, Ahmedabad

**Q85 Elections in Major Countries**

Rob Jetten, who was sworn in as Prime Minister in February 2026, became the youngest and first openly gay person to hold the office in which European country?

A. Sweden

B. Belgium

C. The Netherlands



D. Denmark

Q86 Government Policies & Schemes

What was the name of the programme dedicated to the nation by Dr. Jitendra Singh in May 2026 to promote early intervention and affordable healthcare for rare genetic disorders and genome-based precision medicine?

A. UMMID



B. UMANG

C. SAKSHAM

D. AYUSH



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Q87 Individual Records

Who recorded a new World Record in the 50m Rifle 3 Positions event in February 2026?

- A. Gagan Narang
- B. Aishwary Pratap Singh Tomar
- C. Abhinav Bindra
- D. Niraj Kumar

Q88 Key Announcements

According to the provisions highlighted in the 2026 Budget, which key feature was included in the Viksit Bharat Guarantee for Rozgar and Aajeevika Mission (Gramin) [VB-GRAM G] Act, 2025, for rural households?

- A. Universal pension coverage for all rural workers above 60 years of age
- B. Mandatory crop insurance coverage for every rural household
- C. Provision of interest-free agricultural loans to all rural households
- D. Statutory enhancement of guaranteed wage employment from 100 days to 125 days per financial year

Q89 Missile Tests & Systems

In January 2026, DRDO successfully tested its full-scale scramjet engine at the Scramjet Connect Pipe Test (SCPT) facility in Hyderabad. What was the key result of this test?

- A. Development of a new guided missile system
- B. Short supersonic flight using regular engines
- C. Long hypersonic engine run for over twelve minutes
- D. Launch of a ready-to-use hypersonic missile

Q90 Modern Indian Authors

Which of the following books, published in May 2026, provides a detailed account of Shivraj Singh Chouhan's 35-year association with Prime Minister Narendra Modi, highlighting organisational strategy and nation-building?

- A. Apnapan
- B. Journey of Governance
- C. Sankalp Se Siddhi
- D. Leadership Unveiled

Q91 National Current Affairs

In the Bihar state election 2025, which party won the largest seats?

- A. Janata Dal (United) - JD(U)
- B. Rashtriya Janata Dal - RJD
- C. Bharatiya Janata Party - BJP
- D. Indian National Congress - INC

Q92 National Current Affairs

On the occasion of which event did the Union Home Minister and Minister of Cooperation Amit Shah address the 'Janjati Sanskritik Samagam' organised in New Delhi as the Chief Guest in May 2026?

- A. 150th birth anniversary year of Bhagwan Birsa Munda
- B. Azadi Ka Amrit Mahotsav celebrations
- C. World Tribal Day celebrations
- D. 75th anniversary of the Constitution of India

Q93 National Themed Days

The theme for National Voters' Day 2026 was "My India, My Vote" with which of the following taglines?

- A. Every Vote Builds the Nation's Future
- B. Strengthening Democracy Through Participation
- C. Empowering Citizens for Electoral Integrity
- D. Citizen at the Heart of Indian Democracy

Q94 National Themed Days

What was the theme of the National Voters' Day 2026 observed across India to encourage youth participation and strengthen democratic values?

- A. My India, My Vote
- B. Power of Every Vote
- C. One Nation, One Election
- D. Democracy Through Participation

Q95 New Schemes & Programs

Which mission, notified by the Government of India on 11 May 2026, aimed to strengthen rural employment and livelihood opportunities while replacing the Mahatma Gandhi National Rural Employment Guarantee programme?

- A. Pradhan Mantri Gramin Rozgar Abhiyan
- B. Viksit Bharat – Guarantee for Rozgar and Aajeevika Mission (Gramin)
- C. National Rural Livelihood and Employment Mission
- D. Gramin Kaushal Evam Rozgar Yojana



Q96 Rate Changes

What decision did the RBI take in its Monetary Policy Report released in October 2025?

- A. Repo rate cut; accommodative stance
- B. Repo rate unchanged at 6.00%; dovish stance
- C. Repo rate unchanged at 5.50%; neutral stance ✓
- D. Repo rate hike; tightening stance

Q97 Recent Tournaments

The Federation Cup 2026 saw a major upset in the Men's Shot Put. Which athlete defeated the two-time Asian Games champion to secure a Commonwealth Games berth?

- A. Karanveer Singh
- B. Praveen Chithravel
- C. Samardeep Singh Gill ✓
- D. Tajinderpal Singh Toor

Q98 Science & Technology Current Affairs

Which institution had developed the nano-enabled innovation for rapid removal of toxic plastic pollutants from water, an initiative aligned with Namami Gange, Swachh Bharat, Jal Jeevan Mission, and the UN Sustainable Development Goals in January 2026?

- A. Indian Institute of Technology Delhi
- B. Indian Institute of Science Bengaluru
- C. National Environmental Engineering Research Institute
- D. Indian Institute of Technology Roorkee ✓

Q99 Summits & Conferences

The Quad foreign ministers' meeting was held in which of the following cities of India on May 26, 2026?

- A. Kolkata
- B. Mumbai
- C. Jaipur
- D. New Delhi ✓

Q100 World Events

Which country officially adopted the euro as its national currency on 1 January 2026, becoming the 21st member of the Eurozone?

- A. Hungary
- B. Croatia
- C. Bulgaria ✓
- D. Romania



General Science

25 Questions • Answer Key

Q1 Atomic Structure & Models

What does Dalton's atomic theory suggest about atoms of different elements?

- A. They are the same in every aspect.
- B. They have different masses and properties. ✓
- C. They have different sizes but identical masses.
- D. They have identical masses but different shapes.

Q2 Atoms & Molecules

Which of the following elements has molecules with the highest number of atoms?

- A. Oxygen
- B. Chlorine
- C. Sulphur ✓
- D. Nitrogen

Q3 Basic Organic Chemistry

Why does diamond not conduct electricity while graphite does?

- A. Fullerenes have mobile electrons in cages
- B. Amorphous carbon contains delocalized electrons
- C. All electrons in diamond are involved in bonding ✓
- D. Diamond has layers that slide and conduct

Q4 Carbon & Its Compounds

Which condition is most necessary for petroleum formation from dead marine organisms?

- A. Exposure to sunlight and fresh oxygen
- B. Direct contact with surface water and wind
- C. Low temperature and presence of open air
- D. High pressure and absence of air for long periods ✓

Q5 Conduction, Convection, Radiation

An ecologist analyzes wind patterns and concludes they originate from the equator toward the poles. The underlying principle for this observation is:

- A. Tidal forces move atmospheric currents globally
- B. Earth's magnetic field directs winds from equator to poles
- C. Temperature gradients caused by uneven solar heating drive winds ✓
- D. Ocean salinity differences push air masses north and south

Q6 Conduction, Convection, Radiation

A physical geographer compares two coastal cities: one at the equator and one near the poles. Both receive the same duration of sunlight in a day. The reason the equatorial city remains warmer is:

- A. Both cities have similar temperatures due to equal sunlight duration
- B. The polar city absorbs less sunlight due to water proximity
- C. Surface reflection is higher at the equator, keeping it warmer
- D. Sunlight at the equator is more direct, concentrating energy ✓

Q7 Current Electricity (Ohm's Law, Circuits)

What role does the chemical energy in a cell play in an electric circuit?

- A. It directly moves electrons along the wire
- B. It creates and maintains the potential difference ✓
- C. It changes the resistance of the circuit
- D. It measures the flow of current



Q8 Light & Optics

A scientist wants to demonstrate why the sky appears blue during the day and reddish at sunset using a glass tank of water, a flashlight, and a small amount of milk. Which setup best demonstrates light scattering similar to that observed in the atmosphere?

- A. Mixing a small amount of milk into the water and shining the flashlight through the tank from the side to observe scattered light. ✓
- B. Adding a large amount of milk to the water and shining the flashlight through the mixture from above.
- C. Shining the flashlight from above onto clear water and observing the illuminated region.
- D. Shining the flashlight through clear water and observing the transmitted light from the opposite side.

Q9 Magnetic Effects of Current

A rectangular coil is placed in a uniform magnetic field. If the direction of the current is reversed, what is the effect on the force acting on each segment of the coil?

- A. The force acts perpendicular to the plane of the coil
- B. The direction of the force on each segment reverses. ✓
- C. The magnitude of the force doubles
- D. The magnitude of the force becomes zero

Q10 Mixtures, Solutions, Colloids

Which of the following is a characteristic of a true solution?

- A. The solute particles can be seen with the naked eye.
- B. The solute particles settle rapidly at the bottom.
- C. The solute particles are easily separated by filtration.
- D. The solute particles are evenly distributed in the solution. ✓

Q11 Nervous System & Brain

Which of the given statements about nervous tissue are correct?

- (i) Nervous tissues are made up of neurons.
- (ii) Neurons have one axon and many dendrites.
- (iii) Nerve impulses are signals that pass through a nerve fibre.

- A. (i) and (iii) only
- B. (ii) and (iii) only
- C. (i), (ii) & (iii) ✓
- D. (i) and (ii) only

Q12 Newton's Laws of Motion

Why does a gun recoil backward when it is fired?

- A. The bullet pushes forward, and the gun experiences an equal and opposite backward force. ✓
- B. The trigger causes the gun to move backward
- C. The gun is heavy and naturally moves backward
- D. The air resistance pushes the gun backward

Q13 Newton's Laws of Motion

A horse pulls a cart with a force of 500 N. The force experienced by the horse due to the cart is:

- A. 250 N
- B. 0 N
- C. 1000 N
- D. 500 N equal and opposite to the motion. ✓

Q14 Photosynthesis

Which of the following processes in plants are responsible for fulfilling the energy and carbon requirements?

- A. Respiration
- B. Transpiration
- C. Translocation
- D. Photosynthesis. ✓

Q15 Physical & Chemical Properties

Consider the following statements about non-metals and select the correct option.

Statement I: A solid substance that is dull, brittle, and does not conduct electricity in the solid state is most likely a non-metal.

Statement II: All non-metals are dull, brittle solids and do not conduct electricity in the solid state.

- A. Statement I is correct, but Statement II is incorrect. ✓
- B. Both statements are incorrect
- C. Statement I is incorrect, but Statement II is correct
- D. Both statements are correct

Q16 Plant Tissues & Transport

Transport of water in plants occurs through _____.

- A. Xylem. ✓
- B. Phloem
- C. Cambium
- D. Vacuole



Q17 Plant Tissues & Transport

Which of the following is correct about growth pattern in plants and animal cells?

- A. Animal cells growth is due to meristematic tissues.
- B. Both follow same growth pattern.
- C. Plants have a specific growth region containing dividing tissues. ✓
- D. Plant cell growth is more uniform in comparison to animal cells.

Q18 Pollution (Air, Water, Soil, Noise)

Which of the following practices can reduce the volume of non-biodegradable waste?

- A. Mix non-biodegradable waste with soil
- B. Use disposable plates and cups
- C. Dump all waste in water bodies
- D. Use reusable and recyclable products ✓

Q19 Properties & Tests

Which substance would best help neutralize the burning sensation caused by a bee sting containing methanoic acid?

- A. Tamarind solution
- B. Mild baking soda solution ✓
- C. Mild vinegar solution
- D. Lemon juice

Q20 Respiratory System

A long-term smoker develops a chronic cough and frequent respiratory infections. Which physiological change in the respiratory tract primarily contributes to this increased susceptibility?

- A. Narrowing of bronchi
- B. Thickening of bronchial walls
- C. Destruction of cilia in the upper respiratory tract ✓
- D. Increased mucus production

Q21 Wave Properties (Frequency, Wavelength)

If the frequency of a sound wave increases while its speed in air remains constant, what happens to its wavelength?

- A. Its wavelength fluctuates randomly
- B. Its wavelength decreases ✓
- C. Its wavelength remains unchanged
- D. Its wavelength increases

Q22 Wave Properties (Frequency, Wavelength)

Which of the following examples best illustrates a high pitch sound in everyday life?

- A. The beat of a large drum
- B. The ticking of a large wall clock
- C. A child blowing a whistle ✓
- D. The hum of a refrigerator

Q23 Work, Energy & Power

A force of 20 N acts opposite to the displacement of 5 m. What is the work done by the force?

- A. -100 J ✓
- B. +25 J
- C. +100 J
- D. 0 J

Q24 Work, Energy & Power

A bullet and a ball have the same kinetic energy, but the bullet has much less mass than the ball. Which statement about their speeds is correct?

- A. Both move at the same speed
- B. The bullet moves much faster than the ball ✓
- C. Both bullet and ball stay at rest
- D. The ball moves much faster than the bullet

Q25 pH Scale & Indicators

A salt solution has a pH of 9. Which type of salt is it most likely to be?

- A. Formed from a strong acid and weak base
- B. Formed from a strong acid and strong base
- C. Formed from a weak acid and weak base
- D. Formed from a strong base and weak acid ✓



Q26 2-Year Difference

The difference between the compound interest (compounded annually) and the simple interest if ₹21400 is deposited at 5% rate of interest per annum for 2 years is:

A. ₹46.60

B. ₹56.50

C. ₹53.50 ✓

D. ₹56.40

Q27 Area/Volume Error

If the volume of a solid sphere is increased by 119.7%, find the percentage increase in its surface area.

A. 56%

B. 69% ✓

C. 81%

D. 76%

Q28 Arithmetic

Keshav's monthly salary is ₹15,000. He spends ₹5,500 on house rent and ₹2,500 on utility bills and saves the remaining amount each month. If, during his birthday month, he spends his entire monthly savings on his birthday celebration, find his total savings (in ₹) for the year.

A. 70,000

B. 77,000 ✓

C. 84,000

D. 63,000

Q29 Basic TSD

Anusha covers a certain distance between her home and college by car. At a speed of 35 km/hr, she is late by 20 minutes. However, at a speed of 45 km/hr, she reaches her college 10 minutes early. Find the distance between her home and college.

A. 76.65 km

B. 78.75 km ✓

C. 72.25 km

D. 74.5 km

Q30 CP-SP Relation

A vendor buys 39 laptop bags for ₹33,033 and sells them at 32 for ₹27,552. How many laptop bags should be bought and sold, at this rate, to earn a total profit of ₹7,154?

A. 529

B. 501

C. 491

D. 511 ✓

Q31 Find Rate

The simple interest earned on three different sums is in the ratio 5 : 7 : 9. The sums are in the ratio 10 : 14 : 15, and the time periods are in the ratio 3 : 4 : 5. What is the ratio of the rates of interest?

A. 100 : 75 : 72 ✓

B. 100 : 78 : 64

C. 100 : 75 : 64

D. 100 : 78 : 72

Q32 Find SI

Two banks, A and B, offered loans at 3.5% and 8.5% per annum, respectively. Ashish borrowed an amount of ₹4,60,000 from each bank. Find the positive difference between the amounts (in ₹) of simple interest paid to the two banks by Ashish after 2 years.

A. 45,500

B. 46,000 ✓

C. 47,500

D. 47,000

Q33 Finding Present Age

If twice the mother's present age is 30 years less than six times her daughter's present age, and five times the daughter's present age is 55 years more than the mother's present age, then what is the difference (in years) between the present ages of the mother and the daughter?

A. 30

B. 25 ✓

C. 20

D. 27



Q34 Finding Ratio

In what ratio must rice costing ₹142 per kg be mixed with wheat costing ₹154 per kg to get a mixture worth ₹146 per kg?

A. 4:1

B. 4:3

C. 3:1

D. 2:1

**Q35 Finding Value from Percentage**

In an election contested by two candidates, 25% of the registered voters did not cast their votes, and 795 of the votes cast were declared invalid. The winning candidate secured 70% of the valid votes and defeated the other candidate by a margin of 3,600 votes. Find the total number of voters on the electoral roll.

A. 12,680

B. 12,090

C. 13,060



D. 13,456

Q36 HCF/LCM Word Problems

Three numbers are in the ratio 3 : 14 : 13, and their LCM is 5460. Their HCF is:

A. 59

B. 5

C. 10



D. 36

Q37 MP with Discount and Profit

A shopkeeper gains 25% by selling an item at a 37.5% discount on its marked price. If the cost price increases by 20% and the shopkeeper wishes to maintain the same profit percentage, what discount should he offer?

A. 22%

B. 24%

C. 25%



D. 23%

Q38 Mean Proportional

If 4, 8, x and 12 are in proportion, then what is the mean proportion between $(x + 3)$ and $(x + 30)$?

A. 14

B. 16

C. 18



D. 15

Q39 Mode

The mean of a data is 74 and its median is 88. The mode (using empirical relation) of the data is:

A. 116



B. 91

C. 34

D. 150

Q40 Relative Speed

A bus leaves Delhi for Jaipur traveling at 60 km/h. Two hours later, a car starts from Delhi towards Jaipur at 90 km/h on the same route. How long will it take the car to overtake the bus, and what distance from Delhi will the car meet the bus?

A. 4 hours, and 306 km

B. 4 hours, and 360 km



C. 3 hours, and 360 km

D. 4 hours, and 330 km

Q41 Single Change

The salary of Margaret is increased by 12%. If her new salary becomes ₹22,400, find the original salary of Margaret.

A. ₹20,000



B. ₹19,800

C. ₹21,500

D. ₹19,500

Q42 Weighted Average

During the first half of 2024, Sulekha consumed 2.2 kg of sugar on average each month (January to June). Over the course of 2024, she consumed 2.5 kg of sugar on average each month. Between July and December of 2024, her average sugar intake was:

A. 2.8 kg



B. 2.5 kg

C. 2.2 kg

D. 2.7 kg



Q43 Index Simplification

If $y = 25$, then find the value of $y^{\frac{3}{2}} + (40\% \text{ of } y) - 27^{\frac{2}{3}}$.

A. 123

B. 124

C. 126



D. 121

Q44 Laws of Indices

Simplify:

$$(5^3)^2 \div 5^2$$

A. 525

B. 625

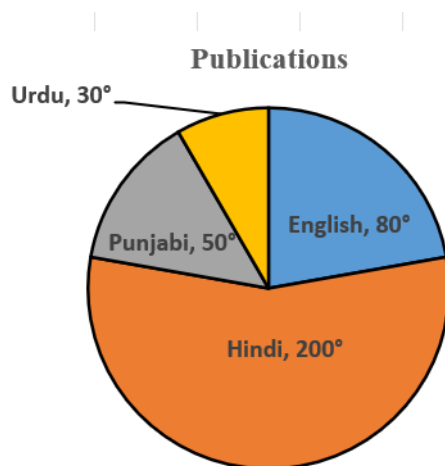


C. 125

D. 225

Q45 Percentage Based

The given pie chart shows the books published in English, Hindi, Punjabi and Urdu languages by a publishing house. In 2020, the publishing house published a total of 72 books in these languages. Books published in English, Punjabi and Urdu taken together is what percentage of books published in Hindi?



A. 100%

B. 125%

C. 95%

D. 80%



Q46 Properties of Triangles

In an isosceles triangle $\triangle ABC$, $AB = AC$. Each of the equal angles is 5° more than three – fourths of $\angle A$. Find the value of $(3\angle A - \angle B)$.

A. 75°

B. 120°

C. 148° ✓

D. 90°

Q47 Pythagorean Identities

Evaluate: $\frac{1}{\sec \theta - \tan \theta}$

A. $(\sec \theta - \tan \theta)$

B. $(2\sec \theta + 3\tan \theta)$

C. $(\sec \theta + \tan \theta)$ ✓

D. $(\sec \theta - 2\tan \theta)$

Q48 Simultaneous Fill & Empty

Two pipes, A and B, can fill a tank in 8 hours and 14 hours, respectively. A third pipe C, can empty the completely filled tank in 12 hours. If all three pipes are opened together in an empty tank, then how long (in hours) will it take to fill the tank?

A. $9\frac{1}{19}$

B. $8\frac{11}{19}$

C. $8\frac{16}{19}$ ✓

D. $8\frac{9}{19}$

Q49 Trigonometric Identities

Find the value of $\sqrt{\frac{\cot \theta + \cos \theta}{\cot \theta - \cos \theta}}$.

A. $\sec \theta \tan \theta$

B. $\sec \theta - \tan \theta$

C. $\tan \theta - \sec \theta$

D. $\sec \theta + \tan \theta$ ✓



Q50 Volume

The height and the slant height of a cone are 10 cm and 32 cm respectively. What is the volume of the cone? $\left(\text{Use } \pi = \frac{22}{7} \right)$

A. 9680 cm³B. 9689 cm³C. 9684 cm³D. 9679 cm³**General Intelligence & Reasoning**

30 Questions • Answer Key

Q51 Day of Week Assignment

Each of P, Q, R, S, T, U and V has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week.

Q has an exam on Wednesday. Exactly 3 people have an exam between Q and U. V has an exam immediately after R and P has an exam immediately before R. Only 3 people have an exam between T and R.

How many people have an exam between Q and V?

A. 3

B. 2



C. 1

D. 4

Q52 Day of Week Assignment

Each of P, Q, R, S, T, U and V has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week.

Q has an exam on Saturday. Only 4 people have an exam between V and P, neither of whom has an exam on Monday. U has an exam immediately after T and R has an exam immediately before T. P has an exam after U. Who has an exam on Monday?

A. S



B. T

C. P

D. U

Q53 Facing Center

Eight friends Varsha, Anil, Neetu, Pawan, Rajesh, Mahima, Sunil and Om are sitting around a circular table, facing the centre. Neetu sits third to the right of Om. Varsha sits to the immediate left of Neetu. Rajesh sits second to the right of Varsha. Sunil is an immediate neighbour of Rajesh and Anil. Pawan is not an immediate neighbour of Varsha. How many people sit between Pawan and Varsha when counted from the left of Pawan?

A. One

B. Three

C. Four



D. Two

Q54 Facing Center

A, B, C, D, E, F and G are sitting around a circular table facing the centre.

Only two people sit between B and A, when counted from the right of B. Only three people sit between D and C, when counted from the right of C. A sits to the immediate right of C. E sits to the immediate right of F.

How many people sit between A and D, when counted from the right of A?

A. 4

B. 1

C. 2



D. 3

Q55 Group Pattern

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

LHCB, JGFF, ?, FELN, DDOR

A. HFJI

B. HEIJ

C. HFIJ



D. HIFJ



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Q56 Letter Series

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

(Left) G Y I E N S I E G Z B I X V Y A U S Y U U T (Right)

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

A. 5



B. 6

C. 4

D. 3

Q57 Letter to Number Mapping

In a certain code language, 'AUTO' is coded as '5271' and 'TOAN' is coded as '4517'. What is the code for 'N' in the given code language?

A. 7

B. 5

C. 4



D. 2

Q58 Letter to Number Mapping

In a certain code language, 'FAST' is coded as '1457' and 'FEAT' is coded as '5874'. What is the code for 'E' in the given code language?

A. 1

B. 8



C. 4

D. 5

Q59 Letters Between Two Positions

This question is based on the following words.

(LEFT) SET LAP MUD DIG (RIGHT)

How many letters are there between the second letter of the second word from the right and the third letter of the second word from the left as per the English alphabetical order?

A. 6

B. 5

C. 3

D. 4

**Q60 Mathematical Operations**

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

(Left) 642, 953, 731, 284, 476 (Right).

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

What will be the result if the first digit of the highest number is subtracted from the third digit of the lowest number?

A. 2

B. -5



C. -3

D. 7

Q61 Mathematical Operations

If 1 is subtracted from each odd digit and 2 is subtracted from each even digit in the number 537648547697, what will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

A. 8

B. 10



C. 9

D. 11

Q62 Number Series

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

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

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

A. More than three



B. Two

C. Three

D. One



Q63 Number Series

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

(Left)

7 2 9 9 9 9 6 1 7 9 8 6 6 3 3 5 8 2 8 5 1 9 7

9 2 4 7 2 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 odd digit? (NOTE: 1 is also a perfect square)

A. Two

B. Three

C. One

D. Four

Q64 Operation Based

Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, certain mathematical operation on the second number results in the third number and so on. Which of the given options follows the same set of operations as in the given sets? (NOTE – A two/three-digit number cannot be broken into individual digits for operations; e.g. if 37 is followed by 10, the operation cannot be 3+7 as a two-digit number cannot be broken into individual digits.)

19 - 53 - 97 - 121;

27 - 61 - 105 - 129

A. 58 - 92 - 116 - 130

B. 49 - 83 - 117 - 151

C. 67 - 121 - 155 - 179

D. 35 - 69 - 113 - 137

Q65 Operation Based

38 is related to 17 following a certain logic. Following the same logic, 52 is related to 24. To which of the following is 26 related, following the same logic?

(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.)

A. 8

B. 15

C. 7

D. 11

Q66 Operator Swap

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

$$36 \div 6 - 3 \times 5 + 7 = ?$$

A. 69

B. 84

C. 46

D. 58

Q67 Operator Swap

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

$$91 - 2 \div 180 \times 18 + 12 = ?$$

A. 180

B. 176

C. 184

D. 189

Q68 Pattern Based

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.

HLL : JHK

MKI : OGH

A. GRQ : INO

B. CXL : ESK

C. GPR : ILQ

D. JLT : LHR

Q69 Pattern Based

REAG is related to FSOU in a certain way based on the English alphabetical order. In the same way, VIEK is related to JWSY. To which of the following options is LYUA related, following the same logic?

A. ZMKI

B. ZIMO

C. ZMIO

D. ZOMI



Q70 Pattern Based

RVUX is related to BFEH in a certain way based on the English alphabetical order. In the same way, WAZC is related to GKJM. To which of the following is FJIL related, following the same logic?

A. PURX

B. PTRV

C. PTSV



D. PSRV

Q71 Position Pattern

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. NS-VA

B. BG-IQ



C. JO-RW

D. YD-GL

Q72 Position Pattern

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

A. DGJ

B. MPU



C. HKN

D. LOR

Q73 Position from Left/Right

Raj ranked 25th from the top and 16th from the bottom in his class. How many students are there in his class?

A. 41

B. 40



C. 42

D. 39

Q74 Rearrangement of Letters

Each letter in the word FRIEND is changed to the letter immediately preceding it in the English alphabetical order and then all the letters thus formed are arranged in the English alphabetical order. Which letter is second from the left in the new group of letters thus formed?

A. H

B. C

C. E

D. D

**Q75 Rearrangement of Letters**

If the word "DISPLAY" is altered by replacing each vowel with the next letter and each consonant with the previous letter in the English alphabetical order, which letter comes first alphabetically in the new sequence formed?

A. J

B. K

C. X

D. B

**Q76 Symbol Based**

In a certain code language,
A + B means 'A is the son of B',
A - B means 'A is the brother of B',
A @ B means 'A is the wife of B' and
A % B means 'A is the father of B'.

Based on the above, how is S related to N if 'S + A % E @ R - N'?

A. Brother's wife's father

B. Brother's wife's brother



C. Father

D. Brother

Q77 Symbol Based

In a certain code language,
A # B means 'A is mother of B',
A + B means 'A is the father of B',
A @ B means 'A is the wife of B',
and A < B means 'A is the brother of B'.

How is E related to P if 'E + F < K # L @ P'?

A. Wife's brother

B. Wife's mother's mother

C. Wife's mother's brother

D. Wife's mother's father



Q78 Two Statement Sufficiency

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Among 5 trees, L, M, O, P and Q each having a different height, which tree is the shortest?

(I) P is taller than only two trees. O is shorter than P and Q is shorter than O

(II) L is taller than M

- A. Data in Statement II alone is sufficient to answer the question while data in statement I is not
- B. Both statements I and II together (and not statement 1 alone or statement II alone) are sufficient to answer the question.
- C. Both statements I and II together are NOT sufficient to answer the question
- D. Data in Statement I alone is sufficient to answer the question while data in statement II is not ☒

Q79 Two Statement Syllogism

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements: All rugs are perfumes. All boots are perfumes.

Conclusion (I) : Some rugs are boots.

Conclusion (II) : Some perfumes are boots.

- A. Only conclusion (I) follows
- B. Only conclusion (II) follows ☒
- C. Both conclusions (I) and (II) follow
- D. Neither conclusion (I) nor (II) follows

Q80 Missing Number

Which of the following options should come in place of the question mark (?) in the given series?

7 10 18 33 57 ?

- A. 90
- B. 92 ☒
- C. 93
- D. 95

General Awareness

20 Questions • Answer Key

Q81 Civilian Awards

Brij Lal Bhat, who was conferred the Padma Shri in 2026 for his contributions to social work, is primarily associated with which region of India?

- A. Himachal Pradesh
- B. Gujarat
- C. Punjab
- D. Jammu and Kashmir ☒

Q82 Defense & Technology

The North Tech Symposium 2026, organized under the theme "Raksha Triveni Sangam – Where Technology, Industry and Soldiering Converge," was held in which of the following cities?

- A. Lucknow
- B. Prayagraj ☒
- C. Pune
- D. Jaipur



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Q83 Environment Current Affairs

Which country was announced as the host of the World Environment Day 2026 by the United Nations Environment Programme (UNEP)?

- A. Türkiye
- B. Azerbaijan ✓
- C. Georgia
- D. Kazakhstan

Q84 India's World Heritage Sites

The Kumbhalgarh Fort located in which state got recognized as the second largest continuous wall by UNESCO in May 2026?

- A. Maharashtra
- B. Rajasthan ✓
- C. Uttar Pradesh
- D. Himachal Pradesh

Q85 Individual Records

Who became India's 95th Chess Grandmaster after securing the third and final Grandmaster norm at the Bangkok Chess Club Open 2026?

- A. Nihal Sarin
- B. Raunak Sadhwani
- C. Aditya Mittal
- D. Aronyak Ghosh ✓

Q86 Individual Records

In June 2026, which Indian cricketer became the first player in the world to appear in 200 T20 Internationals?

- A. Harmanpreet Kaur ✓
- B. Ellyse Perry
- C. Smriti Mandhana
- D. Meg Lanning

Q87 International Awards

Who won the 2026 Mark Lynton History Prize for the book 'The Golden Road: How Ancient India Transformed the World'?

- A. Romila Thapar
- B. Ramachandra Guha
- C. Sunil Khilnani
- D. William Dalrymple ✓

Q88 Key Announcements

What is the total corpus allocated for the newly proposed SME Growth Fund introduced in the Union Budget 2026-27 to support high-potential enterprises?

- A. ₹15,000 crore
- B. ₹10,000 crore ✓
- C. ₹2,000 crore
- D. ₹5,000 crore

Q89 Literary & Sports Awards

Which Malayalam novelist won the Kendra Sahitya Akademi Award 2025 for his novel "Maayamanushyar"?

- A. K. R. Meera
- B. Benyamin
- C. N. Prabhakaran ✓
- D. M. T. Vasudevan Nair

Q90 Military Exercises

In early 2026, the Joint Military Exercise 'Dharma Guardian' took place between the Indian Army and which organisation of Japan?

- A. Japan Strategic Defense Force
- B. Japan Air Self-Defense Force
- C. Japan Ground Self-Defense Force ✓
- D. Japan Maritime Self-Defense Force

Q91 Missile Tests & Systems

In May 2026, the DRDO successfully completed the final development trials of the ULPGM-V3 missile in which two operational modes?

- A. Air-to-ground and air-to-air ✓
- B. Surface-to-surface and surface-to-air
- C. Ground-to-ground and sea-to-air
- D. Air-to-sea and sea-to-surface

Q92 Modern Indian Authors

Which novel by Karan Mahajan, published in 2026, explores India's political transformations through a family saga?

- A. Family Planning
- B. Great Eastern Hotel
- C. The Complex ✓
- D. The Association of Small Bombs



Q93 National Current Affairs

Which political party emerged as the leading party in the Kerala Assembly Election 2026?

- A. Communist Party of India (Marxist)
- B. Indian Union Muslim League
- C. Indian National Congress ✓
- D. Bharatiya Janata Party

Q94 New Schemes & Programs

In April 2026, the Ministry of Minority Affairs signed a Memorandum of Understanding (MoU) with which institution under the PM VIKAS (Pradhan Mantri Virasat Ka Samvardhan) Scheme to enhance employability and facilitate placement opportunities for minority youth?

- A. Indian Institute of Technology (IIT), Kanpur
- B. Indian Institute of Technology (IIT), Guwahati
- C. Indian Institute of Technology (IIT), Patna ✓
- D. Indian Institute of Technology (IIT), Delhi

Q95 New Schemes & Programs

In December 2025, the Ministry of Panchayati Raj and the NDMA approved a National Project worth over ₹500 crore. What is the primary objective of this project?

- A. To provide disaster insurance to all farmers
- B. To establish a national satellite system for weather forecasting
- C. To build 10,000 new cyclone shelters in coastal areas
- D. To integrate Disaster Risk Reduction into local governance through Panchayati Raj Institutions ✓

Q96 Policy Changes & Amendments

Under the Central Armed Police Forces (General Administration) Bill, 2026, all posts in which senior CAPF ranks are required to be filled by Indian Police Service (IPS) officers on deputation?

- A. Commandant and Deputy Commandant
- B. Additional Director General and Inspector General
- C. Director General and Special Director General ✓
- D. Inspector General and Deputy Inspector General

Q97 Rankings & Reports

Which Indian airport is ranked the 5th-busiest airport in the Asia Pacific (Apac) region in 2025 as per Apac aviation rankings released in February 2026?

- A. Kolkata airport
- B. Chennai airport
- C. Mumbai airport
- D. Delhi airport ✓

Q98 Recent Tournaments

Which badminton player won the Women's Singles title at the Thailand Masters 2026 tournament conducted in Bangkok?

- A. Devika Sihag ✓
- B. Supanida Katethong
- C. Goh Jin Wei
- D. Huang Yu-hsun

Q99 Species Conservation

In February 2026, a third batch of cheetahs was translocated to India from which country, and where were they released?

- A. Namibia; Gandhi Sagar Sanctuary
- B. Kenya; Rani Durgavati Sanctuary
- C. Botswana; Kuno National Park ✓
- D. South Africa; Nauradehi Tiger Reserve

Q100 Sports Terms & Venues

The Federation Cup, 2026, was hosted at the iconic Birsa Munda Stadium, located in which of the following cities?

- A. Patna
- B. Raipur
- C. Ranchi ✓
- D. Bhubaneswar



General Science

25 Questions • Answer Key

Q1 Atoms & Molecules

Which of the following is the correct symbol for the element Aluminium?

- A. alm
- B. Alm
- C. AL
- D. Al

**Q2 Carbon & Its Compounds**

Why do coal and petroleum take millions of years to form in nature?

- A. Their formation involves slow chemical and physical changes
- B. They are produced by repeated flooding events
- C. They form quickly through cooling of materials
- D. They result from rapid chemical reactions

**Q3 Cell Structure & Organelles**

What do scientists examine to determine whether an organism is a eukaryote or prokaryote?

- A. Cell structure and presence of nucleus
- B. General feeding behavior and diet
- C. Ecological role within the environment
- D. Method of reproduction and offspring

**Q4 Chemical Bonding (Ionic, Covalent)**

Which of the following statements is/are correct?
Statement I: Sodium atom loses one electron to form a sodium ion.

Statement II: Sodium ion has a negative charge.

- A. Only Statement I is correct.
- B. Only Statement II is correct.
- C. Both statements I and II are incorrect.
- D. Both statements I and II are correct.

**Q5 Circulatory System (Heart, Blood)**

Which of the following best describes systolic pressure?

- A. Blood pressure in artery during ventricular contraction
- B. Blood pressure in veins during contraction
- C. Blood pressure in artery during ventricular relaxation
- D. Blood pressure in veins during relaxation

**Q6 Circulatory System (Heart, Blood)**

Which statement CORRECTLY compares the protein content of lymph and blood plasma?

- A. Lymph contains less protein than plasma
- B. Lymph contains equal protein to plasma
- C. Lymph contains no protein
- D. Lymph contains more protein than plasma

**Q7 Conduction, Convection, Radiation**

During a field study, students notice that air flows from the valley floor up to the slopes every noon. Which atmospheric condition causes this pattern?

- A. Uneven heating of mountain slopes
- B. Uniform heating of the valley floor
- C. Rotation of the Earth
- D. Sudden rainfall in the valley

**Q8 Ecosystem & Food Chain**

Which of the following is an example of an artificial ecosystem?

- A. Crop-field
- B. Pond
- C. Forest
- D. Lake

**Q9 Ecosystem & Food Chain**

Which of the following best defines an ecosystem?

- A. A community without physical factors
- B. A habitat containing animals only
- C. A group of plants only
- D. A system formed by the interaction of biotic and abiotic components



Q10 Extraction & Metallurgy

Which substance is commonly used as a reducing agent to extract metals like zinc from their oxides?

- A. Sulfur
- B. Carbon
- C. Oxygen
- D. Nitrogen

Q11 Human Body & Physiology

Which of the following explains why epithelial tissue cells are tightly packed with very little space between them?

- A. To allow rapid cell division in the tissue
- B. To enhance secretion functions of the tissue
- C. To increase the overall strength of the tissue
- D. To form a continuous barrier and regulate permeability

Q12 Hydrocarbons (Methane, Ethane, etc.)

Which scenario best illustrates complete combustion of methane in a domestic gas burner?

- A. An orange flame produces a strong gas odor in the kitchen
- B. A weak, flickering flame is present with white ash
- C. A yellow flame with black residue forms on the vessel
- D. A blue, non-luminous flame is observed with no residue left behind

Q13 Magnetic Effects of Current

Which property of magnetic field lines explains the absence of magnetic monopoles in classical electromagnetism?

- A. They are always circular
- B. They are denser near poles
- C. They form continuous closed curves
- D. They never intersect

Q14 Magnetic Effects of Current

How does the magnetic field produced by a current-carrying wire change with distance from the wire?

- A. It remains constant at all distances
- B. It decreases as distance increases
- C. It fluctuates randomly with distance
- D. It increases as distance increases

Q15 Mechanics

How does velocity differ from speed in the context of describing motion?

- A. Velocity specifies both the magnitude (speed) and the definite direction of motion.
- B. Velocity applies only to non-uniform motion, while speed applies only to uniform motion.
- C. Velocity is calculated using average speed, while speed uses instantaneous speed.
- D. Velocity specifies distance covered, while speed specifies displacement.

Q16 Mirrors & Lenses

A small candle is placed 18 cm from a concave mirror with a focal length of 6 cm. What will be the nature and position of the image formed?

- A. Real, 6 cm in front of the mirror
- B. Virtual, 9 cm behind the mirror
- C. Real, 9 cm in front of the mirror
- D. Virtual, 12 cm behind the mirror

Q17 Mixtures, Solutions, Colloids

Which of the following is NOT an example of a colloid?

- A. Ice cream
- B. Blood
- C. Milk
- D. Sugar solution

Q18 Newton's Laws of Motion

A constant force is applied to a 5 kg object for 4 seconds, causing its velocity to increase from 2 m/s to 10 m/s. What is the magnitude of this force?

- A. 5 N
- B. 20 N
- C. 2 N
- D. 10 N

Q19 Physical & Chemical Properties

Which of these statements best describes why non-metallic oxides react with bases?

- A. They behave as basic oxides and neutralize acids
- B. They are always basic and do not react with bases
- C. They behave as acidic oxides and neutralize bases
- D. They form acids and bases together



Q20 Physical & Chemical Properties

What is the main reason silver articles turn black when exposed to air for a long period?

- A. Formation of a silver sulphide coating ✓
- B. Formation of silver oxide by reaction with oxygen
- C. Formation of silver chloride by reaction with chlorine in the air
- D. Accumulation of dust particles on the surface

Q21 Plant Tissues & Transport

A horticulturist wants to breed aquatic plants that are better able to float. Which tissue modification should they focus on enhancing?

- A. Reducing intercellular spaces in parenchyma
- B. Irregular thickening in collenchyma
- C. Aerenchyma formation ✓
- D. Increasing chlorophyll in collenchyma

Q22 Reflection & Refraction

A car driver notices that the road ahead appears to be wet during a hot sunny day, but upon reaching the spot, the road is dry. Which physical phenomenon best explains this observation?

- A. Total internal reflection of light within water droplets
- B. Dispersion of sunlight by air molecules
- C. Refraction of light due to varying air temperatures above the road ✓
- D. Scattering of sunlight by dust particles

Q23 Sound

Which of the following situations best demonstrates that a vibrating object is necessary for the production of sound?

- A. Shining a flashlight onto a wall in a dark room
- B. Holding a metal rod steady and listening for a hum
- C. Plucking a stretched guitar string and hearing a tone ✓
- D. Looking at a glass bottle placed on a table without disturbing it

Q24 Work, Energy & Power

If the power of an engine is doubled while the time remains constant, the work done:

- A. remains the same
- B. becomes half
- C. becomes double ✓
- D. becomes four times

Q25 Work, Energy & Power

A motor performs 1875 J of work in 3 seconds. What is its power output?

- A. 5625 W
- B. 210 W
- C. 2810 W
- D. 625 W ✓

Mathematics

25 Questions • Answer Key

Q26 Annual Compounding

Sakshi invested a sum of ₹8900 at 10% per annum compound interest, compounded annually. If she received an amount of ₹10,769 after n years, the value of n is:

- A. 2 ✓
- B. 1.5
- C. 2.4
- D. 3

Q27 CP-SP Relation

A vendor buys 19 laptop bags for ₹43,149 and sells them at 17 for ₹38,658. How many laptop bags should be bought and sold, at this rate, to earn a total profit of ₹5,487?

- A. 1849
- B. 1829 ✓
- C. 1840
- D. 1835

Q28 Direct Proportion

If 6 pencils cost ₹42, what will be the cost of 14 pencils?

- A. ₹98 ✓
- B. ₹84
- C. ₹90
- D. ₹100



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Q29 Direct Proportion

The cost of 7 meters of cloth is ₹840. What will be the cost of 11 meters of the same cloth?

A. ₹1,320



B. ₹1,120

C. ₹1,200

D. ₹1,260

Q30 Discount

A shopkeeper offers the following schemes on toys of the same marked price.

(A) Successive discounts of 3% and 7% on any number of toys bought.

(B) Successive discounts of 8%, 39% and 26% on any number of toys bought.

(C) 11% discount on the first 4 toys and 32% discount on each toy thereon.

(D) 4 toys free of cost on buying 5 toys.

A customer wants to buy 5 toys. Which of the above schemes is the least beneficial to her?

A. B

B. A



C. D

D. C

Q31 Dividing Quantity in Ratio

The number 243 is divided into three parts such that half of the first part, one-third of the second part, and one-fourth of the third part are equal. Find the value of the largest part.

A. 98

B. 112

C. 108



D. 88

Q32 Divisibility Rules

The number 13167 is divisible by which of the following numbers?

A. 69

B. 63



C. 61

D. 67

Q33 Find SI

Two banks, A and B, offered loans at 3.5% and 8% per annum, respectively. Sachin borrowed an amount of ₹3,00,000 from each bank. Find the positive difference between the amounts (in ₹) of simple interest paid to the two banks by Sachin after 3 years.

A. 41,500

B. 42,000

C. 40,000

D. 40,500

**Q34 Finding Present Age**

If twice the mother's present age is 30 years less than six times her daughter's present age, and six times the daughter's present age is 75 years more than the mother's present age, then what is the difference (in years) between their present ages?

A. 20

B. 19

C. 22

D. 25

**Q35 Finding Value from Percentage**

The population of a district is 3,54,000, out of which 2,30,000 are males. 17% of the population is literate. If 17% males are literate, then what percentage of females are literate?

A. 17%



B. 16%

C. 20%

D. 15%

Q36 Half-Yearly Compounding

A student wants to invest a sum of ₹16,000 at an annual interest rate of 3% per annum compounded half yearly. Calculate the compound interest received after 2 years.

[Given $(1.015)^4 = 1.0614$]

A. ₹982.40



B. ₹782.40

C. ₹880.20

D. ₹900.10



Q37 Mean of Grouped Data

In an office, there are 25 employees who travel to work every day. The time taken to commute to office is as follows.

Time taken (in minutes)	No. of employees
Less than 10	2
Less than 20	6
Less than 30	15
Less than 40	19
Less than 50	23
Less than 60	25

Calculate the mean time of commuting (in minutes).

A. 32

B. 29

C. 15

D. 21

Q38 Melting & Recasting

A solid cylindrical rod of radius 3 cm and height 12 cm is melted and recast into solid spheres each of radius 3 cm. How many such spheres can be made?

A. 4

B. 2

C. 1

D. 3

Q39 Population Based Problems

The population of a town is increased from 60,000 to 61,260. What is the percentage increase?

A. 2.1%

B. 2.0%

C. 2.2%

D. 2.3%

Q40 Proportional Wages

Three workers are hired to complete a job worth ₹1,200. Worker A can finish the job alone in 8 days, Worker B in 12 days, and Worker C in 16 days. With the help of a fourth worker, they finish the job in 3 days. How much should the fourth worker be paid from the total amount?

A. ₹222

B. ₹221

C. ₹225

D. ₹226

Q41 Replacement in Group

The average weight of 3 women is increased by 4 kg, when one of them whose weight is 102 kg, is replaced by another woman. What is the weight of the new woman?

A. 116 kg

B. 118 kg

C. 112 kg

D. 114 kg

Q42 Rhombus Properties

Which of the following statements about a rhombus is incorrect?

A. The diagonals of a rhombus do not bisect the opposite angles.

B. The diagonals of a rhombus intersect at right angles

C. Each side of a rhombus is equal in length.

D. The opposite angles of a rhombus are equal.

Q43 Rules for 2,3,4,5,6

The 7-digit number 69A840B is divisible by 12, What is the maximum value of (A + B)?

A. 11

B. 16

C. 15

D. 10

Q44 Two Trains Crossing

Two trains, 200 m and 160 m long are running in opposite directions at speeds of 78 km/h and 66 km/h, respectively. In how much time will they completely cross each other from the moment they meet?

A. 8 seconds

B. 9 seconds

C. 7 seconds

D. 6 seconds



Q45 Basic TSD

Ramesh takes 10 hours longer than Suresh to cover a distance of 120 km. However, if Ramesh were to double his speed, he would take 8 hours less than Suresh. What is Ramesh's original speed?

A. $3\frac{1}{3}$ km/hr



B. $7\frac{5}{7}$ km/hr

C. $5\frac{1}{5}$ km/hr

D. $4\frac{3}{4}$ km/hr

Q46 Curved Surface Area

Mohini is making a cylindrical kaleidoscope for her science project using chart paper. If the kaleidoscope is 178 cm long and has a radius of 24.5 cm, what is the area of chart paper required to make only its curved surface? $\left(\text{Use } \pi = \frac{22}{7}\right)$

A. 27412 cm²



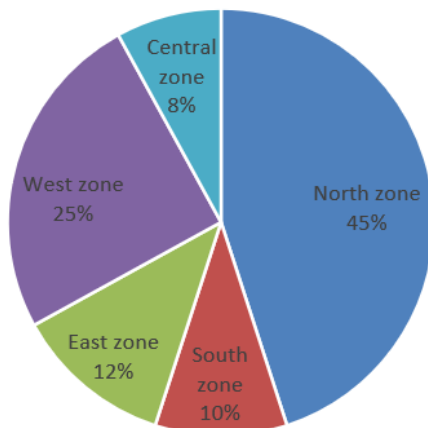
B. 27380 cm²

C. 27433 cm²

D. 27445 cm²

Q47 Degree Based

The given pie chart represents the percentage of a particular company's mobile phone users in five different zones of India. Study the pie chart carefully and answer the question that follows.



What is the central angle made by the central zone in the pie chart?

A. 26.2°

B. 28.8°



C. 27.4°

D. 30.6°



Q48 Pythagorean Identities

If $7\cos^2\theta + 5\sin^2\theta - 6 = 0$, ($0^\circ < \theta < 90^\circ$), then the value of $\sqrt{\frac{\sec\theta + \tan\theta}{\sec\theta - \tan\theta}}$ is:

A. $\sqrt{2} + 1$



B. $\sqrt{2} - 1$

C. $-\sqrt{2}$

D. $\sqrt{2}$

Q49 Pythagorean Identities

Find the value of $\frac{1}{\sec x - \tan x}$.

A. $\cos x - \cot x$

B. $\sec x + \tan x$



C. $\sec x - \tan x$

D. $\cos x + \cot x$

Q50 Ungrouped Data Mode

The shirt size worn by a group of 280 persons is as follows:

Shirt Size	37	38	39	40	41	42	43	44
No. of persons	31	35	49	51	50	37	15	12

The model shirt size worn by the group is:

A. 39

B. 42

C. 40



D. 41

General Intelligence & Reasoning

30 Questions • Answer Key

Q51 Floor/Building Arrangement

A, B, C, U, V and W live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6. B lives on floor numbered 5. A lives on a floor above B. Only U lives below W. C lives on an even numbered floor. How many people live below V?

A. Three

B. Four

C. Two



D. One

Q52 Floor/Building Arrangement

A, B, C, U, V and W live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6. C lives on floor numbered 4. Only two people live between C and V. Only B lives between C and A. W lives immediately below C. Who lives on floor numbered 2?

A. U



B. A

C. W

D. B



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Q53 Group Pattern

What should come in place of the question mark (?) in the given series based on the English alphabetical order?
GJM, ILO, KNQ, MPS, ?

A. RUO

B. ORU ☒

C. ROU

D. OUR

Q54 Letter Analogy

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?
: HOW :: DKS : %

A. # = AHP , % = KRZ ☒

B. # = HHP , % = KRZ

C. # = AHP , % = LRZ

D. # = AHP , % = KRI

Q55 Letter Analogy

ZWVY is related to CZYB in a certain way based on the English alphabetical order. In the same way, QNMP is related to TQPS. To which of the following is TQPS related, following the same logic?

A. WTRV

B. WSRV

C. WTSV ☒

D. WURZ

Q56 Letter Analogy

FJDG is related to KOIL in a certain way based on the English alphabetical order. In the same way, IMGJ is related to NRLO. To which of the following is LPJM related, following the same logic?

A. QUOR ☒

B. QURO

C. UQOR

D. UQRO

Q57 Letter Series

Refer to the following letter series and answer the question that follows. Counting to done from left to right only.

(Left) N V U H J K J I V A Y E D V B L U H W A I G (Right)

How many such vowels are there, each of which is immediately preceded by a consonant and also immediately followed by a consonant?

A. 5 ☒

B. 7

C. 6

D. 4

Q58 Letters Between Two Positions

This question is based on the following words.

(LEFT) BOG FRY MAP OPT (RIGHT)

How many letters are there between the second letter of the second word from the right and the third letter of the second word from the left as per the English alphabetical order?

A. 23 ☒

B. 27

C. 25

D. 20

Q59 Mathematical Operations

If 2 is added to each even digit and 1 is subtracted from each odd digit in the number **4372651**, which of the following digits will be fourth from the left in the new number thus formed?

A. 0

B. 4 ☒

C. 2

D. 6

Q60 Mathematical Operations

This question is based on the five, three-digit numbers given below.

356 742 821 415 697

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

What will be the result if the second digit of the highest number is multiplied by the first digit of the lowest number?

A. 16

B. 14

C. 12

D. 6 ☒

Q61 Missing Number

What should come in place of the question mark (?) in the given series?

18 31 44 57 70 ?

A. 88

B. 79

C. 83



D. 85

Q62 Multiple Turns

Kunal starts from Point A and drives 21 km towards South. He then takes a left turn, drives 22 km, turns left and drives 23 km. He then takes a left turn and drives 27 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 towards east

B. 5 km towards east



C. 4 km towards east

D. 3 km towards east

Q63 Operation Based

12 is related to 143 following a certain logic. Following the same logic, 7 is related to 48. To which of the following is 9 related, following the same logic?

(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.)

A. 101

B. 80



C. 72

D. 99

Q64 Operation Based

10 is related to 98 following a certain logic. Following the same logic, 9 is related to 79. To which of the following is 13 related, following the same logic?

(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.)

A. 147

B. 167



C. 201

D. 172

Q65 Position Pattern

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. HC–YT

B. ZU–PN



C. WR–NI

D. QL–HC

Q66 Position Pattern

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. YCG

B. OSW

C. QUY

D. FKN

**Q67 Position from Left/Right**

Fahad ranked 65th from the top and 34th from the bottom in his class. How many students are there in his class?

A. 98



B. 97

C. 96

D. 99



Q68 Rearrangement of Letters

The position(s) of how many letters will remain unchanged if each letter in the word DANGERS is arranged in the English alphabetical order?

- A. One
- B. None
- C. Three
- D. Two

**Q69 Rearrangement of Letters**

Each letter in the word CUDGELS is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is first from the left and the one which is second from the right in the new letter-cluster thus formed?

- A. Fifteen
- B. Eighteen
- C. Fourteen
- D. Seventeen

**Q70 Single Row (One-way/Both-way)**

In a row, five friends P, Q, R, S and T are standing all facing north. R is at the extreme left end and is an immediate neighbour of P. Only S is between P and Q. Who is standing second to the left of T?

- A. S
- B. P
- C. Q
- D. R

**Q71 Single Row (One-way/Both-way)**

Seven friends Q, R, S, T, U, V and W are sitting in a straight line, facing the north. V sits third to the left of T. U sits third to the right of S. Only one person sits to the right of T. R does not sit on any of the extreme ends. Q sits to the immediate left of S. Three of the following four are alike in a certain way based on the given arrangement and thus form a group. Which is the one that does not belong to that group?

- A. U and W
- B. R and U
- C. S and V
- D. Q and S

**Q72 Symbol Based**

In a certain code language,
 $A + B$ means 'A is the husband of B'
 $A - B$ means 'A is the sister of B'
 $A \times B$ means 'A is the mother of B'
 $A \div B$ means 'A is the brother of B'

Based on the above, how is F related to J if ' $F \div G + H \times I - J$ '?

- A. Father's brother
- B. Mother's father
- C. Sister's husband
- D. Brother

**Q73 Symbol Based**

In a certain code language,
 $A < B$ means 'A is the brother of B',
 $A \# B$ means 'A is mother of B',
 $A + B$ means 'A is the father of B',
 and $A @ B$ means 'A is the wife of B'.

How is P related to Y if ' $P \# Q < R @ X + Y$ '?

- A. Mother's mother
- B. Mother's brother
- C. Mother's sister
- D. Mother's father

**Q74 Symbol Included Pattern**

Refer to the following letter, number, and symbol series and answer the question. (Counting to be done from left to right only) (All numbers are single-digit numbers only)
 (Left) Y A 7 & % G D 4 @ & K 6 T E 5 # 3 2 * R Z (Right)
 How many such letters are there, each of which is immediately preceded by a symbol and also immediately followed by a number?

- A. None
- B. One
- C. Three
- D. Two



Q75 Symbol Included Pattern

Refer to the following letter, symbol series and answer the question. Counting to be done from left to right only.
(Left) X & Y \$ Z Ω P # Q % R @ S £ * T U \$ V Ω W (Right)
How many such symbols are there each of which are immediately preceded by a letter and also immediately followed by a symbol?

A. One



B. None

C. Three

D. Two

Q76 Symbol Substitution

What will come in the place of '?' in the following equation, if '+' and '-' are interchanged, 'x' and '÷' are interchanged and '4' and '8' are interchanged? (Note: Consider the entire number while interchanging; do not interchange individual digits - part of larger numbers.)

$$24 \times 8 - 18 \div 4 + 5 = ?$$

A. 148

B. 154

C. 143

D. 145

**Q77 Symbol Substitution**

What will come in the place of '?' in the following equation, if '+' and '-' are interchanged, 'x' and '÷' are interchanged and '2' and '4' are interchanged?

$$16 + 8 \times 4 \div 2 - 5 = ?$$

A. 28

B. 2

C. 14

D. 5

**Q78 Two Statement Syllogism**

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements: Some laptops are desktops. Some desktops are computers.

Conclusion (I) : All laptops are computers.

Conclusion (II) : No desktop is a laptop.

A. Neither conclusion I nor II follows



B. Only conclusion II follows

C. Both conclusions I and II follow

D. Only conclusion I follows

Q79 Two Statement Syllogism

Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion/s logically follow/s from the given statements.

Statements:

Some slippers are chairs.

All chairs are mats.

Conclusion (I) : Some slippers are mats.

Conclusion (II) : All mats are chairs.

A. Neither conclusion (I) nor (II) follows

B. Only conclusion (II) follows

C. Both conclusions (I) and (II) follow

D. Only conclusion (I) follows

**Q80 Word to Code Mapping**

In a certain code language, 'poem river judge' is coded as 'yq yf yn' and 'judge skin thing' is coded as 'yf ra xd'. How is 'judge' coded in the given language?

A. yq

B. yn

C. ra

D. yf



Q81 Civilian Awards

Which Malayalam cinema superstar received the Padma Bhushan in 2026?

- A. Fahadh Faasil for experimental and realistic cinematic performances
- B. Mammooty for contributions to Indian and Malayalam cinema ✓
- C. Dulquer Salmaan for promoting regional cinema across Indian audiences
- D. Prithviraj Sukumaran for directing and multilingual acting achievements

Q82 Civilian Awards

Who among the following received the Padma Bhushan for contributions in the field of sports in January 2026?

- A. Arvind Vaidya
- B. Piyush Pandey
- C. Ashok Khade
- D. Vijay Amritraj ✓

Q83 Economic Current Affairs

In March 2026, Bank of Baroda operationalized a digital credit micro-lending facility by launching an Overdraft (OD) facility on Credit Line via UPI. Who are the primary beneficiaries targeted under this specific initiative?

- A. Individual salaried employees holding corporate accounts
- B. Verified members of Women Self-Help Groups (SHGs) ✓
- C. Retail merchants registered under MSME digital platforms
- D. Individual marginal farmers under the PM-KISAN scheme

Q84 Environment Current Affairs

As of March 2026, India's position as the fourth-largest global wind energy producer contributes to which of the following national priorities under SDG frameworks?

- A. Transitioning to a low-carbon economy ✓
- B. Focusing on urban infrastructure development
- C. Enhancing agricultural exports
- D. Promoting only rural electrification

Q85 HDI, GHI, etc.

In March 2026, which organization released the second edition of the Fiscal Health Index (FHI) 2026 for assessing the fiscal performance of Indian states?

- A. National Statistical Office
- B. NITI Aayog ✓
- C. Finance Commission
- D. Reserve Bank of India

Q86 Individual Records

At the New Balance Indoor Grand Prix held in Boston in January 2026, which athlete broke the men's indoor 800 metres world record, ending a mark that had stood since 1997?

- A. Elliott Crestan
- B. Donavan Brazier
- C. Bryce Hoppel
- D. Josh Hoey ✓

Q87 International Awards

In February 2026, the 79th BAFTA Awards honoured achievements mainly associated with which field?

- A. International sports events
- B. International music concerts
- C. International theatre festivals
- D. International film productions ✓

Q88 International Sports Awards

Who among the following has been named the Laureus World Sportsperson of the Year with a Disability in 2026 for outstanding achievements in international para-swimming?

- A. Diede de Groot
- B. Markus Rehm
- C. Marcel Hug
- D. Gabriel Araújo ✓

Q89 Literary & Sports Awards

Which two authors won the Sahitya Akademi Award 2025 for English and Hindi, respectively?

- A. Chetan Bhagat & Chitra Mudgal
- B. Navtej Sarna & Mamta Kalia ✓
- C. Amitav Ghosh & Uday Prakash
- D. Vikram Seth & Mridula Garg



Q90 Military Exercises

In which Indian state was the inaugural multilateral military exercise 'Pragati' hosted by the Indian Army in 2026?

- A. Rajasthan
- B. Jammu & Kashmir
- C. Bihar
- D. Meghalaya

**Q91 Military Exercises**

Exercise Dweep Shakti 2026 was successfully conducted by which of the following military commands of India?

- A. Strategic Forces Command
- B. Northern Command
- C. Andaman and Nicobar Command
- D. Eastern Naval Command

**Q92 National Current Affairs**

As announced in April 2026, the historic city of Dhar has been selected under the Centre's 'Safe Cities' project, an initiative aimed at strengthening women's safety infrastructure and urban security. In which of the following states of India, is Dhar located?

- A. Uttar Pradesh
- B. Chhattisgarh
- C. Rajasthan
- D. Madhya Pradesh

**Q93 National Current Affairs**

In January 2026, who secured first rank in the merit list under the benchmark disabilities category in the Kerala Judicial Service Examination?

- A. Ananya R. Nair
- B. Thanya Nathan C.
- C. Meera K. Menon
- D. Sreelakshmi S.

**Q94 National Current Affairs**

In March 2026, National Human Rights Commission (NHRC) held an Open House Discussion on children's access to social media. Which concern was specifically highlighted as a major social challenge?

- A. Urban migration, housing shortage, water scarcity, and air pollution
- B. Cyberbullying, data privacy misuse, sexual abuse, and cyber fraud
- C. Rural illiteracy, school absenteeism, malnutrition, and child labour
- D. Exam pressure, tuition costs, textbook piracy, and coaching fraud

**Q95 National Current Affairs**

In August 2025, severe rainfall and a reported cloudburst in which Maharashtra district resulted in fatalities and widespread flooding?

- A. Pune
- B. Nashik
- C. Nanded
- D. Nagpur

**Q96 National Themed Days**

When is the National Technology Day celebrated every year in India to recognize the country's scientific and technological achievements?

- A. June 21
- B. May 5
- C. May 15
- D. May 11

**Q97 New Apps & Portals**

What is the main goal of the newly launched Semiconductor Investors Support Portal in India in May 2026?

- A. To monitor internet usage across the country
- B. To promote social media content creation
- C. To facilitate online shopping for consumers
- D. To support and encourage chip manufacturing investments



Q98 New Schemes & Programs

In July 2026, the Union Cabinet approved the expanded Khelo India Scheme and enhanced Assistance to National Sports Federations (ANSFs) with an aim to:

- A. Promote sports tourism by developing world-class sports complexes in major metropolitan cities and provide subsidies for hosting international championships.
- B. Reaffirm the Government's commitment to harness the power of sports for youth development and nation-building. ✓
- C. Establish National Centres of Excellence for every Olympic discipline in each State and make sports education compulsory in all schools.
- D. Establish a National Sports University and Accreditation units in every State and Union Territory.

Q99 Paris Agreement Updates

The Paris Climate Agreement, from which the United States announced its withdrawal on 7 January 2026, was adopted under the framework of which international convention?

- A. Convention on Biological Diversity
- B. United Nations Convention to Combat Desertification
- C. United Nations Framework Convention on Climate Change ✓
- D. Vienna Convention for the Protection of the Ozone Layer

Q100 Recent ISRO Missions

The Indian Microgravity Experiments–2026 (iMEx-2026) programme is a national initiative of which organisation?

- A. Indian National Space Promotion and Authorization Centre (IN-SPACe)
- B. Indian Space Research Organisation (ISRO) ✓
- C. Defence Research and Development Organisation (DRDO)
- D. Department of Science and Technology (DST)



General Science

25 Questions • Answer Key

Q1 Atoms & Molecules

Which of the following statements is/are CORRECT?

Statement I: Atoms of different elements combine in definite proportions to form compounds.

Statement II: In a pure chemical compound, elements are always present in a definite proportion by mass.

A. Both statements I and II are correct



B. Both statements I and II are incorrect

C. Only Statement I is correct

D. Only Statement II is correct

Q2 Atoms & Molecules

Which of the following observations would violate the law of constant proportions?

A. A sample of ammonia containing nitrogen and hydrogen in a 14:3 mass ratio.

B. A sample of magnesium sulphide containing magnesium and sulphur in a 4:3 mass ratio.



C. A sample of sodium chloride with sodium and chlorine in a 23:35.5 mass ratio.

D. A sample of water containing hydrogen and oxygen in a 1:8 mass ratio.

Q3 Biology

Amoeba, yeast, and hydra can reproduce even when only one parent organism is present. Which conclusion does this suggest about asexual reproduction?

A. It requires seeds for reproduction.

B. Two parents are always necessary.

C. It produces only multicellular organisms.

D. It occurs without fusion of gametes.



Q4 Carbon & Its Compounds

Why does coal have a higher carbon content compared to the original plant material?

A. Minerals are added to plant remains in the soil

B. Sunlight increases the carbon in buried plants

C. Water and volatile substances are lost during coal formation



D. Gas from the atmosphere is absorbed by the plants

Q5 Conduction, Convection, Radiation

A climate scientist puts sensors on the valley floor and on the slopes. During the day, the sensors on the slopes show higher temperatures and more wind blowing up from the valley. Which phenomenon does this indicate?

A. Daytime valley breeze due to slope heating



B. Land breeze from nearby plains

C. Sea breeze from distant water bodies

D. Nighttime mountain breeze after cooling

Q6 Electromagnetic Induction

If the direction of the magnetic field is north to south and the conductor moves upward, using Fleming's Right Hand Rule, what is the direction of the induced current?

A. Towards West

B. Away from the observer

C. Towards East



D. Towards the observer

Q7 Excretory System (Kidney)

What determines how much water is re-absorbed during urine formation?

A. Oxygen

B. Glucose

C. Excess water



D. Protein

Q8 Extraction & Metallurgy

Which method is commonly used to extract sodium from its compound?

A. Distillation

B. Thermal decomposition

C. Electrolytic reduction



D. Heating with carbon



Q9 Five Kingdom Classification

What characteristic is shared by both bacteria and cyanobacteria?

- A. Both reproduce by forming seeds
- B. Both possess well defined nucleus
- C. Both are single-celled prokaryotes ✓
- D. Both live in the gut of ruminants

Q10 Human Eye & Defects

A student is experiencing difficulty seeing objects clearly both at a distance and up close. After an examination, it is found that the eye muscles are not able to adjust the focal length of the lens properly. Which part of the human eye is most likely responsible for this issue?

- A. Retina
- B. Iris
- C. Cornea
- D. Ciliary muscles ✓

Q11 Magnetic Effects of Current

A student uses Fleming's Left Hand Rule to determine the direction of force on a conductor. If the forefinger points north, and the middle finger points east, in which direction will the force act?

- A. Westwards
- B. Downwards
- C. Southwards
- D. Upwards ✓

Q12 Mechanics

A student observes a speed-time graph for a car that moves with constant speed for 10 seconds, then accelerates for 5 seconds. How can the student use the graph to calculate the total distance travelled during these 15 seconds?

- A. By calculating the area under the speed-time graph for each section and adding them ✓
- B. By using only the area under the acceleration section
- C. By multiplying the total time by the average speed shown on the graph
- D. By reading the final speed at 15 seconds and multiplying by 15

Q13 Mirrors & Lenses

A converging mirror has a radius of curvature of 30 cm. If an object is placed on the principal axis at 60 cm from the pole, what is the nature of the image formed?

- A. The image is real and upright on the opposite side
- B. The image is real and inverted on the same side as the object ✓
- C. The image is virtual and upright on the same side as the object
- D. The image is at the same position as the object

Q14 Mixtures, Solutions, Colloids

Which of the following statements about the solubility of solids and gases in liquids is generally CORRECT?

- A. Solubility of solids in liquids increases, while that of gases in liquids decreases with an increase in temperature. ✓
- B. Solubility of both solids and gases in liquids increases with increase in temperature.
- C. Solubility of both solids and gases in liquids decreases with increase in temperature.
- D. Solubility of solids in liquids decreases, while that of gases in liquids increases with an increase in temperature.

Q15 Newton's Laws of Motion

What happens to the magnitude of action and reaction forces in Newton's third law pairs?

- A. They depend on which object is heavier
- B. They cancel each other completely
- C. They combine to make a stronger force
- D. They are always equal in magnitude and opposite in direction ✓

Q16 Non-communicable (Diabetes, Cancer, etc.)

Smoking increases the risk of which disease related to blood vessels?

- A. Goitre
- B. Cardiovascular disease ✓
- C. Anaemia
- D. Diabetes



Q17 Photosynthesis

In a desert plant, carbon dioxide is taken in at night and stored as an intermediate, which is later used during the day for carbohydrate synthesis. What advantage does this adaptation provide to the plant in its environment?

- A. It allows carbohydrate synthesis only at night
- B. It increases the rate of photosynthesis during the day
- C. It eliminates the need for chlorophyll
- D. It reduces water loss by stomatal opening to cooler night hours ✓

Q18 Plant vs Animal Cell

A botanist observes two cell types under a microscope. The first type has thick cell walls and large vacuoles, while the second type lacks cell walls and has small vacuoles. What can be inferred?

- A. The first sample is plant tissue, and the second is animal tissue. ✓
- B. Both samples are plant tissues.
- C. The first sample is animal tissue, and the second is plant tissue.
- D. Both samples are animal tissues.

Q19 Pollution (Air, Water, Soil, Noise)

Which of the following is considered as a nonbiodegradable substance?

- A. Plastic bags ✓
- B. Cotton dresses
- C. Banana leaves
- D. Wooden plates

Q20 Properties & Tests

How are acids and bases similar in terms of their effect on skin?

- A. They both clean the skin without harm
- B. They both soothe the skin
- C. They both can cause irritation or burns ✓
- D. They both act as moisturizers

Q21 Soaps & Detergents

What happens to soap molecules when they are added to water?

- A. Hydrocarbon tails remain in water while ionic heads project outward.
- B. Ionic heads remain in water while hydrocarbon tails project outward. ✓
- C. Both ionic heads and tails remain completely inside the water.
- D. Soap molecules dissolve randomly without forming any arrangement.

Q22 Types (Combination, Decomposition, etc.)

A chemist keeps calcium carbonate, silver chloride, and lead nitrate exposed to sunlight. Which compound/s show/s a visible change?

- A. Only lead nitrate
- B. Only calcium carbonate
- C. Only silver chloride ✓
- D. All three compounds

Q23 Ultrasound & Applications

Which of the following statements best describes how ultrasound is utilized in medical imaging?

- A. Ultrasound waves pass through blood without interaction to form images.
- B. Ultrasound waves reflect off tissues to create internal images. ✓
- C. Ultrasound waves are absorbed by bones to visualize soft tissue.
- D. Ultrasound waves ionize tissues to produce visible images.

Q24 Work, Energy & Power

An object moving with kinetic energy 800 J experiences a net work of -600 J. What happens to the object?

- A. It continues with same speed
- B. It stops moving
- C. It moves with half speed ✓
- D. It doubles its speed



Q25 Work, Energy & Power

A constant force acts on an object and does 250 J of work while moving it through a distance of 25 m in the direction of the force. What is the magnitude of the force?

A. 15 N

B. 10 N



C. 20 N

D. 25 N

Mathematics

25 Questions • Answer Key

Q26 Adding/Removing Element

The average seats secured by a political party in the last 5 elections is 23. If the party secures 47 seats in the current elections, find the new average seats secured by this political party in the six elections.

A. 27



B. 28

C. 29

D. 30

Q27 Annual Compounding

Suman invested a sum of ₹3,500 at 20% per annum compound interest, compounded annually. If she received an amount of ₹6,048 after n years, the value of n is:

A. 3



B. 2

C. 2.6

D. 4

Q28 Average Speed

A man drives to a town at 45 km/hr and returns by the same route at 60 km/hr. The total time taken is 7 hours. Find the distance to the town from the starting point.

A. 182 km

B. 175 km

C. 165 km

D. 180 km

**Q29 Basic Ratio**

In a coding assessment conducted by a tech company, the scores of Candidate X and Candidate Y are in the ratio 12 : 15. If Candidate Y scored 75 marks, then find the score obtained by Candidate X.

A. 65

B. 60



C. 50

D. 55

Q30 CP-SP Relation

A vendor buys 22 laptop bags for ₹43,670 and sells them at 20 for ₹39,760. How many laptop bags should be bought and sold at this rate, to earn a total profit of ₹1,227?

A. 409



B. 388

C. 397

D. 417

Q31 Divisibility Rules

The number 4488 is divisible by which of the following numbers?

A. 26

B. 19

C. 30

D. 22



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Q32 Find SI

Two banks, A and B, offered loans at 3.5% and 8% per annum, respectively. Rupesh borrowed an amount of ₹3,00,000 from each bank. Find the positive difference between the amounts of simple interest (in ₹) paid to the two banks by Rupesh after 2 years.

A. 28,500

B. 26,500

C. 28,000

D. 27,000 ✓

Q33 Finding Present Age

Twice the mother's present age is equal to four times her daughter's present age. The sum of their present ages is 72 years. What is the difference (in years) between their present ages?

A. 26

B. 19

C. 24 ✓

D. 21

Q34 Grouped Data Mode

Given the following frequency distribution table of class intervals and frequencies:

Class Intervals	Frequency
10-20	5
20-30	9
30-40	15
40-50	6

What is the mode of the distribution?

A. 40

B. 34 ✓

C. 20

D. 24

Q35 Leaving Midway

Aman can complete a project alone in 27 days. Bela is 25% more efficient than Aman. They work together on the same project for 10 days. Then, Bela leaves, and Aman continues the work alone. In how many days will the project be completed?

A. 14.5 days ✓

B. 16 days

C. 15 days

D. 13.5 days

Q36 MP with Discount and Profit

A dealer buys two articles X and Y for ₹2,500 each. He marks each of them at the same price. He sells X by giving two successive discounts of 84% and 37% and still earns ₹947 as profit. If he sells Y at a single discount of 86%, then what is the profit percentage on Y?

A. 90.5%

B. 91.5% ✓

C. 91%

D. 90%

Q37 Percentage Increase/Decrease

The expenditure of Sudha is 100% more than her savings. If her expenditure decreases by 6% and savings increase by 18%, then by what percentage does her income increase?

A. 7%

B. 6%

C. 2% ✓

D. 5%

Q38 Rectangle & Square

The perimeter of a square is 948 m. Its area (in m²) is:

A. 56,149

B. 56,169 ✓

C. 56,168

D. 56,152

Q39 Single Change

The monthly income of a person is ₹7,545. If his income is increased by 20%, then what will be his new monthly income?

A. ₹9,054 ✓

B. ₹9,056

C. ₹9,052

D. ₹9,058

Q40 Still Water Speed

A motorboat travels 72 km downstream in 3 hours. The same boat takes 4 hours to cover 48 km upstream. What is the speed of the motorboat in still water?

A. 15 km/hr

B. 20 km/hr

C. 18 km/hr ✓

D. 16 km/hr



Q41 Value Decrease Over Time

A bike is purchased for ₹1,20,000. If it depreciates by 18% in the first year and 7% in the second year, what is its value after two years?

A. ₹89,450

B. ₹91,512



C. ₹90,340

D. ₹98,230

Q42 Volume

If the surface area of a sphere is 28.26 cm^2 . What is its volume? (Use $\pi = 3.14$)

A. 18.31 cm^3

B. 12.24 cm^3

C. 20.42 cm^3

D. 14.13 cm^3

**Q44 Fractions and Decimals**

Simplify the following: $3.6 + \frac{5}{2} - 1.25$

A. $3\frac{9}{20}$

B. $5\frac{3}{20}$

C. $4\frac{7}{20}$

D. $4\frac{17}{20}$

**Q43 Weighted Average**

The average of the marks obtained by 25 boys and 20 girls in a class is 73. If the girls' average marks are 4.5 more than the boys' average marks, find the total marks scored by all the girls.

A. 1450

B. 1570

C. 1510



D. 1550



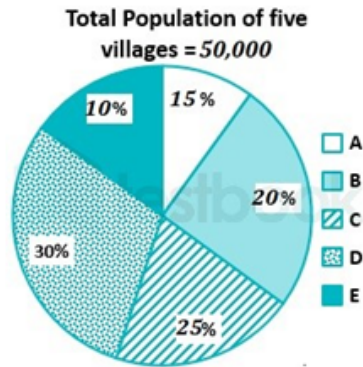
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Q45 Percentage Based

Study the given pie chart and answer the question that follows.

The pie chart shows the percentage of the population in five villages in a year.



Find the ratio of population in village A to that in village C.

A. 2 : 3

B. 3 : 5

C. 2 : 5

D. 1 : 3

**Q46** Proportion

Find the fourth proportional of $5\sqrt{3}$, $4\sqrt{5}$, and $10\sqrt{3}$.

A. $5\sqrt{3}$

B. $4\sqrt{3}$

C. $8\sqrt{3}$

D. $8\sqrt{5}$

**Q47** Quadrilateral Area & Perimeter

What will be the area of a rhombus whose side is 8 cm and altitude is 6 cm?

A. 48 cm^2

B. 54 cm^2

C. 44 cm^2

D. 38 cm^2

**Q48** Surds and Indices

Simplify: $\sqrt{256} + \sqrt{0.0121} - \sqrt{8.41}$

A. 3.48

B. 15.34

C. 11.09

D. 13.21



Q49 Trigonometric Identities

Find the value of $\frac{\sin x}{1 - \cot x} + \frac{\cos x}{1 - \tan x}$.

A. $\sin x - \cos x$ B. $\sin x + \cos x$ ✓

C. 1

D. $\cos x - \sin x$ **Q50** Trigonometric Identities

If $\frac{\operatorname{cosec} \theta (1 - \cos \theta)(\operatorname{cosec} \theta + \cot \theta)}{(\cos \theta (\sec \theta + \tan \theta))} = \frac{1}{1 + k}$, then the value of k is

A. $\operatorname{cosec} \theta$ B. $\sin \theta$ ✓C. $\cos \theta$ D. $\sec \theta$ **General Intelligence & Reasoning**

30 Questions • Answer Key

Q51 Facing Center

A, B, C, D, E, F and G are sitting around a circular table facing the centre. Only one person sits between G and F when counted from the left of F. E sits third to the right of D. C sits third to the left of A. E sits to the immediate right of C. B is not an immediate neighbour of C. How many people sit between E and G when counted from the right of G?

A. 2

B. 3 ✓

C. 1

D. 4

Q52 Floor/Building Arrangement

A, B, C, U, V and W live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6. W lives on the topmost floor. Only three people live between W and B. A lives on a floor below B. V lives on an even numbered floor. C lives on an odd numbered floor but not on floor number 5. How many people live between U and B?

A. Two ✓

B. Four

C. Three

D. One

Q53 Floor/Building Arrangement

G, H, J, K, L and P live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6.

H lives on floor numbered 5. G lives on a floor above H. Only P lives below L. J lives on an even numbered floor. How many people live below K?

A. Four

B. Two ✓

C. One

D. Three

Q54 Floor/Building Arrangement

Seven boxes, I, J, K, L, Q, R and S, are kept one over the other, but not necessarily in the same order. Only L is kept above Q. Only I is kept between Q and S. Only K is kept below J. How many boxes are kept between R and K?

A. Two

B. One ✓

C. Three

D. Four



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Q55 Group Pattern

What should come in place of the question mark (?) in the given series based on the English alphabetical order?
JTS, SCB, BLK, KUT, ?

A. DCT

B. CDT

C. TDC

D. TCD

Q56 Letter Analogy

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?
: VRO :: CYV : %

A. # = FBX , % = RNK

B. # = FDA , % = SOL

C. # = FBY , % = SOL

D. # = FBY , % = SNM

Q57 Letter Analogy

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?
: BGJ :: NSV : %

A. # = EJM % = KPS

B. # = EUN % = OQS

C. # = FHM % = KOV

D. # = EPM % = QZS

Q58 Letter Series

Refer to the following letter series and answer the question (Counting to be done from left to right only).
(Left) K I F R I Z O K U F U I I F U K Y X A B (Right)
How many such vowels are there each of which is immediately preceded by a consonant and also immediately followed by a consonant?

A. Five

B. Seven

C. Four

D. Six

Q59 Letter to Number Mapping

In a certain code language, 'SOLE' is coded as '8921' and 'LONE' is coded as '7281'. What is the code for 'N' in the given code language?

A. 7

B. 9

C. 1

D. 2

Q60 Letters Between Two Positions

This question is based on the following words.
(LEFT) BET YOU ZAP FRY (RIGHT)

How many letters are there between the second letter of the second word from the right and the third letter of the second word from the left as per the English alphabetical order?

A. 19

B. 15

C. 12

D. 22

Q61 Letters Between Two Positions

This question is based on the following words.
(LEFT) ION EBB PET GET (RIGHT)

How many letters are there between the third letter of the third word from the right and the first letter of the first word from the left as per the English alphabetical order?

A. 6

B. 7

C. 5

D. 8

Q62 Linear Family Relations

J is the mother of U. U is the sister of N. D is the father of R. R is the son of N. How is J related to R?

A. Mother's sister

B. Mother

C. Mother's mother

D. Sister



Q63 Mathematical Operations

If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 81527236, what will be the sum of the digits which are third from the left and second from the right in the new number thus formed?

A. 4

B. 10 

C. 8

D. 6

Q64 Mathematical Operations

If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 18243564, what will be the sum of the digits which are third from the left and second from the right in the new number thus formed?

A. 4 

B. 12

C. 8

D. 10

Q65 Multiple Turns

Sam starts from Point A and drives 9 km towards West. He then takes a left turn, drives 7 km, turns left and drives 11 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-degree turns only unless specified.)

A. 8 km towards South

B. 6 km towards South 

C. 9 km towards South

D. 7 km towards South

Q66 Number Series

Refer to the following series and answer the question that follows. (All numbers are single-digit numbers only.)
(Counting to be done from left to right only.)

(Left) 4 2 4 5 2 5 3 6 2 3 3 7 4 1 5 1 5 7 8 7 7 9 8 4 3 6 9
(Right)

How many such odd digits are there each of which is immediately preceded by an odd digit and also immediately followed by an odd digit?

A. 5 

B. 2

C. 4

D. 3

Q67 Operation Based

31 is related to 122 following a certain logic. Following the same logic, 24 is related to 94. To which of the following is 19 related, following the same logic?

(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.)

A. 78

B. 64

C. 74 

D. 70

Q68 Operation Based

14 is related to 195 following a certain logic. Following the same logic, 11 is related to 120. To which of the following is 15 related, following the same logic?

(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.)

A. 234

B. 240

C. 324

D. 224 **Q69 Pattern Based**

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: XZY :: QSR : %

A. # = ZBA , % = OPQ

B. # = ZBZ , % = NPO

C. # = ZBA , % = OQP 

D. # = ZDC , % = OQP



Q70 Position Pattern

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. HN:OT



B. MR:TY

C. UZ:BG

D. PU:WB

Q71 Position Pattern

Based on the English alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. KOS

B. OUA



C. AEI

D. CGK

Q72 Rearrangement of Letters

The position(s) of how many letters will remain unchanged if each letter in the word STICKER is arranged in the English alphabetical order?

A. None

B. One



C. Two

D. Three

Q73 Rearrangement of Letters

Each letter in the word VERDANT is arranged in the English 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 third from the right in the new letter-cluster thus formed?

A. Ten

B. Twelve

C. Eleven

D. Thirteen

**Q74 Single Row (One-way/Both-way)**

Seven friends J, K, L, M, N, O and P are sitting in a straight line, facing north. K sits third to the right of L. O is an immediate neighbor of K and M. L is an immediate neighbor of J and P. N sits second to the left of O. P does not sit on any of the extreme ends. Three of the following four are alike in a certain way based on the given arrangement and thus form a group. Which is the one that does not belong to that group?

A. L and P

B. P and N

C. N and O



D. J and L

Q75 Symbol Based

In a certain code language,

A @ B means 'A is the mother of B'

A # B means 'A is the brother of B'

A - B means 'A is the wife of B'

A + B means 'A is the father of B'

Based on the above, how is C related to B if 'C @ R # U - M + B'?

A. Father

B. Mother's sister

C. Mother

D. Mother's mother

**Q76 Symbol Included Pattern**

Refer to the following letter, number, symbol series and answer the question. (All numbers are single-digit numbers only.) (Counting to be done from left to right only.)

(Left) Y A & 7 % G D 4 @ & K 6 T E 5 # 3 2 * R Z (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a letter?

A. None

B. One

C. Two



D. Three

Q77 Symbol Substitution

If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will come in place of question mark '?' in the following equation?

9 A 3 C 5 B 6 D 10 = ?

A. 21

B. 23



C. 27

D. 25



Q78 Two Statement Syllogism

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements: Some hands are legs. No leg is a face.

Conclusion (I) : All faces are legs.

Conclusion (II) : No leg is a hand.

- A. Only conclusion II follows
- B. Only conclusion I follows
- C. Both conclusions I and II follow
- D. Neither conclusion I nor II follows ✓

Q79 Two Statement Syllogism

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements: All biscuits are wafers. No biscuit is a candy.

Conclusion (I) : All candies are biscuits.

Conclusion (II) : No wafer is a biscuit.

- A. Only conclusion II follows
- B. Neither conclusion I nor II follows ✓
- C. Both conclusions I and II follow
- D. Only conclusion I follows

Q80 Missing Number

Which of the following options should come in place of the question mark (?) in the given series?

90 70 52 36 22 ?

- A. 14
- B. 8
- C. 12
- D. 10 ✓

General Awareness

20 Questions • Answer Key

Q81 Civilian Awards

In January 2026, the Padma Bhushan was awarded to which former Maharashtra governor?

- A. C. P. Radhakrishnan
- B. Bhagat Singh Koshiyari ✓
- C. S. C. Jamir
- D. Vidyasagar Rao

Q82 Conflicts & Peace Processes

Against which of these countries did Pakistan declare open war in February 2026?

- A. India
- B. Afghanistan ✓
- C. Nepal
- D. Iran

Q83 Corporate & Organizational Heads

In July 2026, who was reappointed as the Chairman of the Central Board of Direct Taxes (CBDT) for an additional six-month term?

- A. Sanjay Malhotra
- B. Nitin Gupta
- C. Tuhin Kanta Pandey
- D. Ravi Agrawal ✓

Q84 Election Commission

In May 2026, the Supreme Court observed that the Election Commission of India's power to conduct a Special Intensive Revision (SIR) of electoral rolls is derived from which of the following Articles of the Constitution?

- A. Article 326
- B. Article 324 ✓
- C. Article 325
- D. Article 327



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Q85 Elections in Major Countries

Who was elected as the Prime Minister of Nepal following the elections held in March 2026?

- A. Sher Bahadur Deuba
- B. Pushpa Kamal Dahal
- C. Balendra Shah
- D. Lokendra Bahadur Chand

Q86 HDI, GHI, etc.

Which of the following organizations published the 'Corruption Perceptions Index 2025' in February 2026?

- A. World Bank
- B. International Monetary Fund
- C. United Nations
- D. Transparency International

Q87 Health & Environment Days

The theme of World Water Day 2026 is "Water and Gender". The observance is celebrated annually on:

- A. 8 March
- B. 21 March
- C. 10 March
- D. 22 March

Q88 Individual Records

At the 2026 London Marathon, which athlete became the first man in history to officially complete a marathon in under two hours in a competitive race?

- A. Yomif Kejelcha
- B. Jacob Kiplimo
- C. Eliud Kipchoge
- D. Sabastian Sawe

Q89 Literary & Sports Awards

At the inaugural Indian Athletics Awards 2026 by the Athletic Federation of India, who was named the Best Female Athlete of the Year 2025?

- A. Jyothi Yarraji
- B. Ancy Sojan
- C. Parul Chaudhary
- D. Avinash Sable

Q90 New Apps & Portals

Why was the E-Prisons Module in the news in 2026?

- A. It replaced the prison manual in all States.
- B. It was launched to conduct online court hearings.
- C. It was introduced to monitor prison security through AI.
- D. The Supreme Court closed prison reform proceedings after its launch

Q91 New Guidelines & Regulations

In April 2026, which initiative was launched by the Reserve Bank of India to strengthen the Urban Co-operative Banking sector?

- A. Mission SAKSHAM
- B. Mission SAHYOG
- C. Mission SAMARTH
- D. Mission SURAKSHA

Q92 New Schemes & Programs

The governance campaign "Sushasan Tihar 2026", launched in May 2026, was associated with which Indian state?

- A. Jharkhand
- B. Madhya Pradesh
- C. Uttar Pradesh
- D. Chhattisgarh

Q93 New Schemes & Programs

What key initiative was launched to structure India's long-term development roadmap aligning with the SDGs?

- A. Pradhan Mantri Fasal Bima Yojana
- B. Data for Development Coordination Forum
- C. Viksit Bharat @ 2047 Vision
- D. SDG Coordination Centres

Q94 Paris Agreement Updates

In March 2026, the Union Cabinet approved India's updated Nationally Determined Contribution (NDC) for the period 2031-2035. What is the new target for reducing the emissions intensity of India's GDP by 2035?

- A. 60 percent from 2005 level
- B. 47 percent from 2005 level
- C. 45 percent from 2010 level
- D. 35 percent from 2005 level



Q95 Recent Tournaments

At the end of the Ladakh leg of the 6th Khelo India Winter Games (KIWG) 2026, which of the following states/union territories topped the medal tally?

- A. Uttarakhand
- B. Karnataka
- C. Haryana
- D. Himachal Pradesh

**Q96 Recent Tournaments**

Which tennis player had won the 2026 Monte-Carlo Masters singles title after defeating Carlos Alcaraz in the final held on 12 April 2026?

- A. Alexander Zverev
- B. Daniil Medvedev
- C. Novak Djokovic
- D. Jannik Sinner

**Q97 Science & Technology Current Affairs**

Scientists from which institute developed the electrolyte additive BDIM to improve the performance of aqueous zinc-ion batteries, as announced in June 2026?

- A. CSIR-National Chemical Laboratory (CSIR-NCL)
- B. Indian Institute of Science (IISc)
- C. Bhabha Atomic Research Centre (BARC)
- D. Institute of Nano Science and Technology (INST)

**Q98 Social & Religious Reform**

Which social reformer's 200th birth anniversary was commemorated on April 11, 2026, in India?

- A. Dr. B.R. Ambedkar
- B. Rabindranath Tagore
- C. Sardar Vallabhbhai Patel
- D. Jyotirao Phule

**Q99 Summits & Conferences**

Where did the inaugural India International Disputes Week (IIDW) 2026 took place from **March 7–11, 2026**, under the theme "Where the World Meets to Resolve Disputes"?

- A. Shimla
- B. Jaipur
- C. Chandigarh
- D. Hyderabad

**Q100 Summits & Conferences**

On which occasion did India officially join the Pax Silica coalition in 2026?

- A. On the fifth day of the India AI Impact Summit 2026
- B. On the first day of Digital India Week
- C. At the G20 Summit 2026
- D. During the 2025 Science and Tech Forum

