

RRB Technician Grade III 2025

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

Marathi

All 5 Shifts (Sets) · Official Answer Key

About this Compilation

This booklet compiles all **5 shift papers** of the **RRB Technician Grade III 2025** examination (CEN 02/2025) in **Marathi**, with the correct option marked as per the official answer key.

✓ Correct option (highlighted green)

How to use

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

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Index — All Sets (click to open)

Set 1

06 Mar 2026
9:00 AM - 10:30 AM

Set 2

06 Mar 2026
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Set 4

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Set 5

10 Mar 2026
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General Science

40 Questions • Answer Key

Q1 General Science

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

- A. पेशीचे श्वसन नियंत्रित करणे
- B. ताठरपणा आणि संरक्षण पुरवणे ✓
- C. पोषक तत्वांचे परिवहन
- D. पेशी विभाजन नियंत्रित करणे

Q2 General Science

Choose a term to pair the analogy.

Nucleus : Eukaryotic Cell :: Nucleoid : _____

- A. प्राणीपेशी
- B. बहुपेशी जीव
- C. वनस्पतीपेशी
- D. असीम केंद्रकी पेशी ✓

Q3 General Science

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

- A. धन, कारण ती अक्षाच्या वर आहे
- B. धन, परंतु वस्तूच्या उंचीपेक्षा कमी
- C. ऋण, कारण ती अक्षाच्या खाली आहे ✓
- D. ऋण, केवळ वस्तू आभासी असेल तरच

Q4 General Science

Which of the following factor helps in increasing crop yield?

- A. पीक संरक्षणाकडे दुर्लक्ष करणे
- B. सिंचनासाठी केवळ पावसाचे पाणी वापरणे
- C. सिंचनाशिवाय खराब बियाणे वापरणे
- D. दर्जेदार बियाणे, सिंचन, खते, पीक संरक्षण यांचा वापर ✓

Q5 General Science

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

- A. लाळेतील विकरांच्या क्रियेसाठी आम्लयुक्त माध्यम उपलब्ध करून देण्यासाठी
- B. पाण्याशी अभिक्रिया करणे आणि हायड्रोजन आयन मुक्त करण्यासाठी
- C. अन्न खाल्ल्यानंतर तोंडात तयार होणारे आम्ल निष्क्रिय करण्यासाठी ✓
- D. लाळेचे pH कमी करण्यासाठी आणि दाताची कीड टाळण्यासाठी

Q6 General Science

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

- A. मुकुलायन
- B. विखंडन
- C. द्विखंडन ✓
- D. बहुखंडन

Q7 General Science

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

- A. शून्य ✓
- B. धन
- C. ऋण
- D. अमर्याद.

Q8 General Science

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

- A. 4g हायड्रोजन आणि 24g ऑक्सिजन
- B. 4g हायड्रोजन आणि 32g ऑक्सिजन ✓
- C. 3g हायड्रोजन आणि 24g ऑक्सिजन
- D. 3g हायड्रोजन आणि 32g ऑक्सिजन



Q9 General Science

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

- A. ऑक्सीजनसह कार्बन विगती अभिक्रिया देतो.
- B. कार्बन हा मॅग्नेशियमपेक्षा कमी अभिक्रियाशील आहे. ✓
- C. मॅग्नेशियम हा कार्बनसह बाष्पनशील संयुग तयार करतो.
- D. या अभिक्रियेमुळे केवळ कार्बन मोनोऑक्साइड तयार होतो.

Q10 General Science

Which calculation correctly determines the formula unit mass of CaCl_2 ?

- A. Ca चे अणुवस्तुमान + $(\text{Cl} \div 2 \text{ चे अणुवस्तुमान}) = 40 + 17.75 = 57.75 \text{ u}$
- B. Ca चे अणुवस्तुमान $\times \text{Cl}$ चे अणुवस्तुमान $= 40 \times 35.5 = 1420 \text{ u}$
- C. Ca चे अणुवस्तुमान + $(2 \times \text{Cl} \text{ चे अणुवस्तुमान}) = 40 + 71 = 111 \text{ u}$ ✓
- D. Ca चे अणुवस्तुमान + Cl चे अणुवस्तुमान $= 40 + 35.5 = 75.5 \text{ u}$

Q11 General Science

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

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

Q12 General Science

When potassium reacts with water, we observe:

- A. कोणताही दृश्यमान बदल होत नाही असे
- B. सौम्य बुडबुडे आणि मंद अभिक्रिया
- C. तेजस्वी ज्योत आणि जलद अभिक्रिया ✓
- D. हिरव्या संयुगाची निर्मिती झालेली

Q13 General Science

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

- A. गतीच्या दिशेच्या परिणामापासून मुक्त असे
- B. प्रारंभिक गतीला विरोध करत असल्यामुळे, ऋण ✓
- C. गुरुत्वाकर्षण स्थिर असल्यामुळे, धन
- D. वेगाच्या दिशेने असल्यामुळे, धन

Q14 General Science

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

- A. कीटकनाशके केवळ मातीतील सूक्ष्मजीवांवर प्रभावी ठरतात, उच्च जीवांवर नाही
- B. अविघटनशील कीटकनाशके पुढील पोषण स्तरांवर जमा होतात ✓
- C. अविघटनशील कीटकनाशके लगेच उत्सर्जित केली जातात आणि टिकून राहत नाहीत
- D. अन्नसाखळीत वर चढताना कीटकनाशकांचा विषारीपणा कमी होत जातो

Q15 General Science

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

- A. पचलेली पोषकद्रव्ये अभिस्तराच्या पृष्ठभागात शोषून घेणे.
- B. आकुंचन आणि शिथिलीकरणाद्वारे बल निर्माण करणे.
- C. शरीराच्या अवयवांना आधार देणे आणि संरचनात्मक ढाचा पुरवणे. ✓
- D. जलद संप्रेषणासाठी विद्युत आवेग वाहून नेणे.

Q16 General Science

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

- A. विद्युत बल्बचे फिलामेंट्स (उदा. टंगस्टन)
- B. परिपथ वितळतार (उदाहरणार्थ, शिसे/टिन मिश्रधातू)
- C. जोडणीच्या तारा (उदाहरणार्थ, तांब्याच्या पारेषण रेषा)
- D. उष्ण घटक (उदाहरणार्थ, निक्रोम) ✓



Q17 General Science

Which statement correctly describes the universal law of gravitation?

- A. गुरुत्वाकर्षण बल केवल वस्तुंतील अंतरावर अवलंबून असते, त्यांच्या वस्तुमानावर नाही.
- B. वस्तूंची वस्तुमाने वाढतात तेव्हा गुरुत्वाकर्षण बल कमी होते.
- C. गुरुत्वाकर्षण बल वस्तुमानांच्या गुणाकारानुसार वाढते आणि त्यांच्या मधल्या अंतरांच्या वर्गानुसार कमी होते. ✓
- D. वस्तूंतील अंतर वाढत जाते तसे गुरुत्वाकर्षण बल वाढते.

Q18 General Science

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

- A. कोलेनकाइमा
- B. झायलेम ✓
- C. पॅरेन्कायमा
- D. फ्लोएम

Q19 General Science

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

- A. घनता
- B. प्लावक बल
- C. आभासी वजन ✓
- D. वस्तुमान

Q20 General Science

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

- A. मूत्राशय; मूत्रोत्सर्जक नलिका
- B. मूत्रवाहिनी ; मूत्राशय ✓
- C. मूत्रोत्सर्जक नलिका ; मूत्रवाहिनी
- D. नेफ्रॉन; मूत्रोत्सर्जक नलिका

Q21 General Science

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

- A. 4f
- B. f/4 ✓
- C. 2f
- D. f/2

Q22 General Science

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

- A. सरल पट्टकी अभिस्तर
- B. स्तरित पट्टकी अभिस्तर
- C. सरल घनाभरूप अभिस्तर
- D. सरल स्तंभाकार अभिस्तर ✓

Q23 General Science

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

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

Q24 General Science

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

- A. स्वयंपाक करताना कीटकनाशके पूर्णपणे नष्ट होतात
- B. धान्य मातीतून केवळ उपयुक्त रसायने शोषून घेतात
- C. सर्व वनस्पती नैसर्गिक कीटकनाशके तयार करतात
- D. जैवसंचायाद्वारे रसायने टिकून राहतात आणि जमा होतात ✓



Q25 General Science

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

A. 0.5 m

B. 2 m



C. 440 m

D. 220 m

Q26 General Science

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

A. आवाज रोखण्यासाठी

B. ध्वनी एकसारखा परावर्तित करण्यासाठी



C. ध्वनी शोषून घेण्यासाठी

D. सभागृह सजवण्यासाठी

Q27 General Science

Select the correct option regarding the given statements.

Statement 1: Suspensions scatter light.

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

A. विधान 1 सत्य आहे आणि विधान 2 असत्य आहे.

B. दोन्ही विधाने असत्य आहेत.

C. दोन्ही विधाने सत्य आहेत, परंतु विधान 2 हे विधान 1 चे स्पष्टीकरण देत नाही.



D. दोन्ही विधाने सत्य आहेत आणि विधान 2 हे विधान 1 ला स्पष्ट करते.

Q28 General Science

Which of the following situations shows zero acceleration?

A. सरळ रस्त्यावर स्थिर वेगाने जाणारी कार



B. वरच्या दिशेने फेकलेला एक चेंडू

C. वेग वाढवत जाणारी रेल्वे

D. उड्डाण करणारे विमान

Q29 General Science

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

A. उगमबिन्दुतून जाणारी सरळ रेषा

B. उभी रेषा

C. वक्र

D. x अक्षाला समांतर सरळ रेषा

**Q30 General Science**

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

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

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

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

A. केवळ 2 आणि 3

B. केवळ 1, 2 आणि 3

C. केवळ 1

D. केवळ 1 आणि 3

**Q31 General Science**

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

A. 25 % ने वाढेल

B. दुप्पट

C. समान राहील



D. निम्मी होईल



Q32 General Science

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

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

- A. केवल (i)
- B. (ii) and (iii) हे दोन्ही
- C. केवल (ii)
- D. (i) आणि (iii) हे दोन्ही

**Q33 General Science**

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

- A. अभिक्रिया करते आणि कॅल्शियम ऑक्साईड व हायड्रोजन वायू तयार होतात.
- B. कॅल्शियम थंड पाण्याशी संतुलने अभिक्रिया करते आणि कॅल्शियम ऑक्साईड व ऑक्सीजन वायू तयार होतात.
- C. सोडियमसारखेच कॅल्शियम स्फोटक अभिक्रिया करते आणि कॅल्शियम हायड्रॉक्साईड व हायड्रोजन वायू तयार होतात.
- D. कॅल्शियम सोडियमपेक्षा कमी पण मॅग्नेशियमपेक्षा अधिक तीव्रतेने अभिक्रिया करते आणि कॅल्शियम हायड्रॉक्साईड व हायड्रोजन वायू तयार होतात.

**Q34 General Science**

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

- A. कार्बन डायऑक्साईडचे ग्रहण रात्री होते आणि कार्बोहायड्रेट्स दिवसा संश्लेषित केले जातात.
- B. प्रकाश ऊर्जा रात्री मिळवली जाते आणि दिवसाच्या वापरासाठी स्टार्चमध्ये रूपांतरित केली जाते.
- C. पाण्याचा अपव्यय कमी करण्यासाठी प्रकाशसंश्लेषण हे केवळ रात्रीच्या वेळेपुरते मर्यादित असते.
- D. ऑक्सीजन रात्री शोषला जातो तर कार्बन डाय ऑक्साईड दिवसा सोडला जातो.

**Q35 General Science**

Read the following statements carefully and choose the correct option.

Statement 1: Members of a homologous series differ by a $-CH_2-$ group.
Statement 2: Each successive member of a homologous series differs from the previous one by 12 u in molecular mass.

- A. दोन्ही विधाने सत्य आहेत आणि विधान 2 हे विधान 1 चे योग्य स्पष्टीकरण आहे.
- B. दोन्ही विधाने सत्य आहेत परंतु विधान 2 हे विधान 1 चे योग्य स्पष्टीकरण नाही.
- C. दोन्ही विधाने असत्य आहेत.
- D. विधान 1 सत्य आहे परंतु विधान 2 असत्य आहे.

**Q36 General Science**

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

- A. कास्थि
- B. मेदयुक्त ऊति
- C. अंतरालित ऊति
- D. अस्थि

**Q37 General Science**

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

- A. हवेतून; पाण्यातून
- B. पाण्यातून; वाळूतून
- C. सूर्यप्रकाशाद्वारे; खनिजांद्वारे
- D. मातीतून; मातीतून

**Q38 General Science**

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

- A. प्रतिमा आरशाच्या मागे 1.5 m वर तयार होते.
- B. प्रतिमा आरशाच्या मागे 1.2 m वर तयार होते.
- C. प्रतिमा आरशासमोर 3.0 m वर तयार होते.
- D. प्रतिमा आरशाच्या मागे 3.0 m वर तयार होते



Q39 General Science

The symbol 'B' represents which element?

- A. बेरीयम
- B. ब्रोमीन
- C. बोरॉन ✓
- D. बेरीलियम

Q40 General Science

What does the given circuit symbol represent?



- A. बंद स्थितीतील कळ (स्वीच)
- B. चल रोध अथवा हिओस्टाट ✓
- C. विद्युतघटांचा संच
- D. वाहकतार

Mathematics

25 Questions • Answer Key

Q41 Mathematics

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

- A. 20
- B. 26
- C. 25 ✓
- D. 22

Q42 Mathematics

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

- A. 480
- B. 390 ✓
- C. 360
- D. 520

Q43 Mathematics

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

- A. 24
- B. 26
- C. 28 ✓
- D. 37

Q44 Mathematics

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

- A. 4 ✓
- B. 3.5
- C. 3
- D. 4.5



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Q45 Mathematics

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

- A. 12%नी घट
- B. 8%नी घट
- C. 5%नी घट
- D. 10%नी घट

**Q46 Mathematics**

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

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

**Q47 Mathematics**

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

- A. 570.58 cm³
- B. 562.32 cm³
- C. 559.99 cm³
- D. 520.91 cm³

**Q48 Mathematics**

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

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

**Q49 Mathematics**

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

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

**Q50 Mathematics**

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

- A. 12,166
- B. 12,213
- C. 12,247
- D. 12,172

**Q51 Mathematics**

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

- A. 29
- B. 26
- C. 27
- D. 28

**Q52 Mathematics**

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

- A. ₹206000
- B. ₹216000
- C. ₹236000
- D. ₹253000



Q53 Mathematics

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

A. 10

B. 15

C. 20

D. 12

**Q54 Mathematics**

If the surface area of a sphere is 314 cm^2 , find its radius.

(Take $\pi = 3.14$)

A. 5 cm



B. 0.05 cm

C. 50 cm

D. 0.5 cm

Q55 Mathematics

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

A. 3

B. 5

C. 8

D. 6

**Q56 Mathematics**

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

A. 6 दिवस 2 तास



B. 8 दिवस 6 तास

C. 5 दिवस 20 तास

D. 5 दिवस 10 तास

Q57 Mathematics

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

A. 12

B. 6

C. 8



D. 10

Q58 Mathematics

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

A. 325



B. 375

C. 400

D. 450



Q59 Mathematics

$$4 + \tan^2\theta + \cot^2\theta - \sec^2\theta \operatorname{cosec}^2\theta$$

A. 2



B. - 2

C. 4

D. 0

Q60 Mathematics

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

A. $\frac{20}{3}$ B. $\frac{40}{3}$ C. $\frac{50}{9}$ D. $\frac{26}{9}$ **Q61** Mathematics**Simplify:**

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

A. 73

B. 123



C. 93

D. 153

Q62 Mathematics

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

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

Q63 Mathematics

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

A. -7



B. 5

C. -5

D. 7

Q64 Mathematics

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

A. $4\sqrt[3]{3}$ B. $3\sqrt[3]{3}$ C. $5\sqrt[3]{3}$ D. $6\sqrt[3]{3}$ **Q65 Mathematics**

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

A. 39.778

B. 32.125

C. 37.995



D. 35.005

General Intelligence & Reasoning

25 Questions • Answer Key

Q66 General Intelligence & Reasoning

In a certain code language,

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

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

A x B means 'A is the wife of B', and

A ÷ B means 'A is the father of B'.

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

A. आईचा भाऊ

B. वडील

C. आईच्या भावाचा मुलगा



D. भावाचा मुलगा

Q67 General Intelligence & Reasoning

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

A. 17व्या

B. 16व्या



C. 15व्या

D. 14व्या



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Q68 General Intelligence & Reasoning

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

A. दोन



B. तीन

C. चार

D. एक

Q69 General Intelligence & Reasoning

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

31 44 52 65 73 ?

A. 80

B. 84

C. 86



D. 82

Q70 General Intelligence & Reasoning

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

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

(8, 3, 7)

(9, 4, 9)

A. (12, 17, 35)

B. (13, 8, 15)

C. (11, 5, 13)

D. (7, 2, 5)

**Q71 General Intelligence & Reasoning**

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

A. वडिलांचा भाऊ

B. वडिलांचे वडील

C. आईचे वडील

D. आईचा भाऊ

**Q72 General Intelligence & Reasoning**

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

2 B 1 D 14 A 2 C 7 = ?

A. 3

B. 4

C. 1

D. 2

**Q73 General Intelligence & Reasoning**

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

A. 1

B. 4



C. 2

D. 3

Q74 General Intelligence & Reasoning

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

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

A. qc – nh

B. ew – bb

C. hk – dp



D. km – hr



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Q75 General Intelligence & Reasoning

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

A. go – mu

B. fn – ks

C. ck – iq

D. hp – nv

Q76 General Intelligence & Reasoning

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

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

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

A. चार

B. दोन

C. एक

D. तीन

Q77 General Intelligence & Reasoning

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

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

A. ilj

B. ehf

C. ytw

D. jmk

Q78 General Intelligence & Reasoning

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

A. एकही नाही

B. दोन

C. तीन

D. एक

Q79 General Intelligence & Reasoning

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

IRQ : KPP

MEU : OCT

A. rqn : tom

B. fjm : hgl

C. grp : ipn

D. cmr : ekp

Q80 General Intelligence & Reasoning

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

A. 8

B. 6

C. 5

D. 7

Q81 General Intelligence & Reasoning

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

A. 11वे

B. 10वे

C. 13वे

D. 12वे



Q82 General Intelligence & Reasoning

Raju starts from Point A and drives 9 km towards north. He then takes a left turn, drives 8 km, turns left and drives 13 km. He then takes a left turn and drives 11 km. He takes a final left turn, drives 4 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again?

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

- A. पूर्वकडे 4 km
- B. पूर्वकडे 3 km
- C. पश्चिमेकडे 3 km ✓
- D. पूर्वकडे 2 km

Q83 General Intelligence & Reasoning

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

- A. tppi ✓
- B. trpk
- C. rpoi
- D. rrpck

Q84 General Intelligence & Reasoning

A, E, I, O, F, G and H are sitting around a circular table facing the centre of the table. Only two people sit between E and O when counted from the right of E. Only two people sit between O and I. Only three people sit between E and H. A sits to the immediate left of G. Who sits third to the left of F?

- A. g ✓
- B. i
- C. e
- D. a

Q85 General Intelligence & Reasoning

Refer to the following letter series and answer the question that follows. Counting to be done from left to right.
(Left) F Z I U K J Q D H M C X O E N L P G B E A (Right)
How many such vowels are there, each of which is immediately preceded by a consonant and also immediately followed by a vowel?

- A. एक
- B. एकही नाही
- C. तीन ✓
- D. दोन

Q86 General Intelligence & Reasoning

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

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

- A. 14
- B. 8
- C. 10 ✓
- D. 12

Q87 General Intelligence & Reasoning

In a certain code language,
A + B means 'A is the mother of B'
A - B means 'A is the brother of B'
A x B means 'A is the sister of B'
A ÷ B means 'A is the daughter of B'

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

- A. भावाची पत्नी ✓
- B. मुलगी
- C. बहीण
- D. भावाची मुलगी



Q88 General Intelligence & Reasoning

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

NEX : RIB

VBS : ZFW

A. gwr : izu

B. qke : tnh

C. taj : xen



D. ysd : cuf

Q89 General Intelligence & Reasoning

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

A. ijo

B. fgo



C. bch

D. pqv

Q90 General Intelligence & Reasoning

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

A. 3

B. 2

C. 8



D. 1

General Awareness

10 Questions • Answer Key

Q91 General Awareness

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

A. भारतीय रिझर्व्ह बँक



B. अर्थ मंत्रालय

C. भारतीय विमा नियामक आणि विकास प्राधिकरण (irdai)

D. नीती (niti) आयोग

Q92 General Awareness

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

A. बिपिन चंद्र पाल

B. फिरोजशाह मेहता

C. सुरेंद्रनाथ बॅनर्जी

D. व्योमेशचंद्र बॅनर्जी

**Q93 General Awareness**

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

A. जात आणि धार्मिक अत्याचार



B. पर्यावरणीय सक्रियता

C. आर्थिक सुधारणा

D. राजकीय नेतृत्व

Q94 General Awareness

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

A. ती थेट अरबी समुद्रात जाऊन मिळते.

B. ती समुद्रापर्यंत न पोहोचता रण प्रदेशातील अंतर्देशीय खाजणमध्ये लुप्त होते.



C. त्याच्या मुखाजवळ एक मोठा, सुविकसित त्रिभुज प्रदेश तयार होतो.

D. हिमनदीतून वाहणारी ही एकमेव बारमाही हिमालयी नदी आहे.



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Q95 General Awareness

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

- A. नॅशनल फार्म लॉजिस्टिक मिशन
- B. रूरल एक्सपोर्ट एन्हांसमेन्ट इनिशिएटिव्ह
- C. कृषी उडान योजना ✓
- D. कृषी एअर कनेक्ट प्रोग्राम

Q96 General Awareness

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

- A. कलामंडलम लीलम्मा
- B. सितारा देवी
- C. वेम्पतटी चिन्ना सत्यम
- D. केलुचरण मोहपात्रा ✓

Q97 General Awareness

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

- A. पुदुचेरी
- B. लक्षद्वीप
- C. नवी दिल्ली
- D. चंडीगड ✓

Q98 General Awareness

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

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

Q99 General Awareness

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

- A. भारत आणि युनायटेड स्टेट्स ✓
- B. भारत आणि युक्रेन
- C. भारत आणि जपान
- D. भारत आणि रशिया

Q100 General Awareness

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

- A. 1793 चा सनद कायदा
- B. 1781 चा दुरुस्ती कायदा
- C. 1784 चा पिटचा भारत कायदा
- D. 1773 चा नियमन कायदा ✓



General Science

40 Questions • Answer Key

Q1 General Science

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

- A. paramecium
- B. amoeba
- C. hydra
- D. leishmania



Q2 General Science

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

- A. large, loosely arranged living cells for storage.
- B. thick-walled lignified cells for mechanical strength.
- C. sclerenchyma fibers forming a protective cylinder.
- D. tightly packed dead cells that aid in support and conduction.



Q3 General Science

What distinguishes broilers from layers in poultry farming?

- A. केवळ ब्रॉयलर अंडी देतात
- B. ब्रॉयलर मांसासाठी वाढवल्या जातात; लेयर्स अंड्यांसाठी वाढवल्या जातात
- C. लेयर्स मांसासाठी वाढवल्या जातात; ब्रॉयलर अंड्यांसाठी वाढवल्या जातात
- D. दोन्ही मांस आणि अंड्यांसाठी समानपणे वाढवल्या जातात



Q4 General Science

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

- A. biological magnification
- B. photosynthesis
- C. biodegradation
- D. eutrophication



Q5 General Science

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

- A. double
- B. same
- C. half
- D. four times



Q6 General Science

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

- A. sodium chloride (nacl)
- B. sodium acetate (ch3coona)
- C. ammonium chloride (nh4cl)
- D. potassium hydroxide (koh)



Q7 General Science

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

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

- A. only (ii)
- B. both (i) and (ii)
- C. both (i) and (iii)
- D. only (iii)



Q8 General Science

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

A. they contain their own dna and ribosomes. ✓

B. their outer membrane is porous.

C. they have two membranes.

D. they produce atp.

Q9 General Science

Consider the following statements regarding the size of an atom.

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

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

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

Which of the above statements is/are correct?

A. only 1, 2 and 3

B. only 1 and 2

C. only 2 and 3

D. only 1 and 3 ✓

Q10 General Science

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

A. uniform circular motion ✓

B. linear motion

C. oscillatory motion

D. non-uniform motion

Q11 General Science

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

A. 600

B. 5000

C. 3000 ✓

D. 50

Q12 General Science

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

A. $20\sqrt{10} \text{ m/s}$ ✓

B. 40 m/s

C. $20\sqrt{5} \text{ m/s}$

D. 20 m/s

Q13 General Science

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

A. इलेक्ट्रॉन हे ऋण प्रभारित गोलामध्ये अंतर्भूत असतात ✓

B. इलेक्ट्रॉन केवळ अणूच्या पृष्ठभागावर आढळतात

C. अणूच्या मध्यभागी इलेक्ट्रॉन स्थित असतात

D. इलेक्ट्रॉन हे केंद्रकाभोवती फिरतात

Q14 General Science

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

A. तीन ✓

B. चार

C. एक

D. दोन

Q15 General Science

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

A. C_2H_6

B. C_3H_8 ✓

C. C_4H_{10}

D. CH_4



Q16 General Science

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

- A. less than 1 nm ✓
- B. visible to the naked eye
- C. between 1 nm and 1000 nm
- D. larger than 1 μm

Q17 General Science

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

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

Q18 General Science

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

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

Q19 General Science

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

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

Q20 General Science

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

- A. dichloromethane (CH_2Cl_2)
- B. chloromethane (CH_3Cl)
- C. methyl chloride (CH_3Cl) ✓
- D. carbon tetrachloride (CCl_4)

Q21 General Science

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

- A. यांत्रिक सहाय्य पुरवणे
- B. पाणी आणि खनिजांचे वहन खालून वरच्या दिशेने करणे
- C. पानांपासून अन्नाचे वहन करणे ✓
- D. अन्न संचय

Q22 General Science

Select a term to complete the given analogy.

Binary Fission : Bacteria :: Fragmentation : _____

- A. mammals
- B. insects
- C. birds
- D. algae ✓



Q23 General Science

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

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

Q24 General Science

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

- A. एकल, दुहेरी आणि तिहेरी बंध तयार करण्याची क्षमता
- B. शृंखली रचना क्रिया
- C. चतुःसंयुजिता
- D. आयनिक बंधांची निर्मिती ✓

Q25 General Science

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

- A. magnification
- B. aperture
- C. power ✓
- D. image distance

Q26 General Science

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

- A. iodine
- B. sulphur
- C. phosphorus
- D. graphite ✓

Q27 General Science

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

- A. कारखान्याच्या कामांसाठी नदीचे पाणी वाहून नेणे
- B. पृष्ठ मृदेची धूप वाढविणे
- C. पावसाचे पाणी साठवून भूजल वाढवणे ✓
- D. मातीची गुणवत्ता कमी करणे

Q28 General Science

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

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

Q29 General Science

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

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

Q30 General Science

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

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

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



Q31 General Science

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

- A. continuous acceleration
- B. change in momentum
- C. net force being non-zero
- D. balanced forces

**Q32 General Science**

SONAR technology uses ultrasound to _____.

- A. locate underwater objects
- B. produce high temperatures
- C. measure atmospheric pressure
- D. measure electric current

**Q33 General Science**

Which statement is true about mass number?

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

**Q34 General Science**

The principal function of the plasma membrane is to:

- A. serve as the site of atp synthesis.
- B. regulate movement of substances across the cell.
- C. provide rigid support and prevent cell swelling.
- D. store the cell's genetic material.

**Q35 General Science**

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

- A. designing of submarines
- B. speedometers
- C. hydrometers
- D. lactometers

**Q36 General Science**

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

- A. vacuum diode
- B. voltage regulator
- C. variable resistance
- D. voltmeter

**Q37 General Science**

In chemical industries, bleaching powder acts mainly as:

- A. an oxidising agent
- B. a catalyst
- C. a reducing agent
- D. a neutralising agent

**Q38 General Science**

Choose a term to complete analogy.

Axon : Single long process :: Dendrite : _____

- A. केंद्रकासह पेशी शरीर
- B. जलद उत्तेजना संक्रमण
- C. अनेक लहान, शाखायुक्त भाग
- D. संरक्षक संयोजी ऊती

**Q39 General Science**

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

Which of the above statements are correct?

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



Q40 General Science

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

- A. वाळू तळाशी आढळेल, तर मीठ पाण्यात विरघळलेले असेल. ✓
- B. वाळू पाण्यात निलंबित (suspended) झाल्यामुळे, गढूळ मिश्रण तयार होईल.
- C. सर्व घटक पूर्णपणे विरघळतील, एक स्पष्ट द्रावण तयार होईल.
- D. वाळू आणि मीठ दोन्ही विरघळलेले नसणार, ज्यामुळे दोन वेगळे थर तयार झालेले आढळेल.

Mathematics

25 Questions • Answer Key

Q41 Mathematics

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

- A. 340
- B. 380
- C. 320 ✓
- D. 360

Q42 Mathematics

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

- A. 12
- B. 16
- C. 10
- D. 18 ✓

Q43 Mathematics

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

- A. 5
- B. 4
- C. 6
- D. 3 ✓

Q44 Mathematics

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

- A. ₹ 1970.75
- B. ₹ 1933.25
- C. ₹ 1948.20
- D. ₹ 1907.55 ✓

Q45 Mathematics

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

- A. 60 cm
- B. 80 cm
- C. 70 cm
- D. 90 cm ✓

Q46 Mathematics

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

- A. 36
- B. 27
- C. 9 ✓
- D. 18



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Q47 Mathematics

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

A. ₹20

B. ₹15



C. ₹25.

D. ₹10

Q48 Mathematics

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

A. 620 मीटर

B. 720 मीटर



C. 740 मीटर

D. 780 मीटर

Q49 Mathematics

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

A. ₹49,410

B. ₹49,500



C. ₹48,745

D. ₹50,755

Q50 Mathematics

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

A. 6



B. 7

C. 4

D. 8

Q51 Mathematics

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

A. ₹15,700

B. ₹14,400



C. ₹16,800

D. ₹ 13,900

Q52 Mathematics

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

A. 69%

B. 68%

C. 68.5%

D. 69.5%

**Q53 Mathematics**

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

A. 7600

B. 6700

C. 7400

D. 7200

**Q54 Mathematics**

What is the mode of the following data?

51, 48, 50, 55, 44, 52, 45, 52, 44, 49, 55, 54, 44, 54, 43, 45, 55, 47

A. 54

B. 45

C. 55



D. 44



Q55 Mathematics

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

A. 225

B. 265

C. 250



D. 240

Q56 Mathematics

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

A. 9

B. 8

C. 6



D. 3

Q57 Mathematics

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

A. 3845

B. 3850

C. 3835

D. 3840

**Q58 Mathematics**

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

A. 32

B. $42\sqrt{3}$

C. 40

D. $6\sqrt{3}$

**Q59 Mathematics**

$$10\cos^2\theta + 7\sin^2\theta = 70^\circ \leq \theta \leq 90^\circ (\sin\theta + \cos\theta)$$

A. 1



B. 2

C. -1

D. 0



Q60 Mathematics

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

A. p^2 for prime p



B. p^3 for prime p

C. $p \cdot q$ for distinct primes p and q

D. q^3 for prime q

Q61 Mathematics

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

A. 302

B. 311

C. 312

D. 322

**Q62** Mathematics

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

A. 254



B. 252

C. 260

D. 258

Q63 Mathematics

$\frac{1}{3}$

A. (i)

B. (iv)

C. (ii)



D. (iii)

Q64 Mathematics

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

A. 52

B. 38

C. 46



D. 42



Q65 Mathematics

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

A. $\frac{5}{3}$



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

C. $\frac{5}{6}$

D. $\frac{1}{6}$

General Intelligence & Reasoning

25 Questions • Answer Key

Q66 General Intelligence & Reasoning

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

A. 14वें

B. 15वें

C. 13वें



D. 16वें

Q67 General Intelligence & Reasoning

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

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

A. tye

B. pua

C. mrx

D. gkp



Q68 General Intelligence & Reasoning

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

A. 206



B. 453

C. 432

D. 244

Q69 General Intelligence & Reasoning

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

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

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

A. दोन

B. तीनपेक्षा जास्त



C. तीन

D. एक



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Q70 General Intelligence & Reasoning

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

A. gh 69



B. gi 69

C. hi 68

D. ij 79

Q71 General Intelligence & Reasoning

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

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

A. gq - ln

B. qk - vh

C. ae - fb

D. wh - bd

**Q72 General Intelligence & Reasoning**

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

A. tg

B. bz

C. cn

D. ky

**Q73 General Intelligence & Reasoning**

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

A. emnf

B. flne

C. fnme



D. fmnf

Q74 General Intelligence & Reasoning

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

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

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

A. तीन

B. एक

C. एकही नाही

D. दोन

**Q75 General Intelligence & Reasoning**

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

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

A. 14

B. 12



C. 10

D. 16

Q76 General Intelligence & Reasoning

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

A. वडिलांचा भाऊ

B. आईचे वडील

C. आईचा भाऊ



D. वडिलांचे वडील

Q77 General Intelligence & Reasoning

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

LPF KOE JND IMC ?

A. hlb



B. hla

C. hkb

D. hka



Q78 General Intelligence & Reasoning

In a certain code language,

A + B means 'A is the son of B'

A - B means 'A is the brother of B'

A @ B means 'A is the daughter of B'

A # B means 'A is the father of B'

Based on the above, how is F related to O if 'F # L - R @ O'?

A. भाऊ

B. बडील

C. मुलगा

D. पत्नी

**Q79 General Intelligence & Reasoning**

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

A. तीन



B. चार

C. दोन

D. एक

Q80 General Intelligence & Reasoning

In a certain code language,

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

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

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

A ≥ B means 'A is the wife of B'.

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

A. पत्नी

B. मुलगी

C. बहिण

D. आई

**Q81 General Intelligence & Reasoning**

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

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

(5, 12, 28)

(4, 11, 26)

A. (6, 13, 30)



B. (7, 16, 36)

C. (3, 10, 16)

D. (8, 19, 42)

Q82 General Intelligence & Reasoning

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

1 B 3 D 10 A 5 C 2 = ?

A. 3



B. 4

C. 2

D. 1

Q83 General Intelligence & Reasoning

Ankur starts from Point A and drives 11 km towards east. He then takes a right turn, drives 7 km, turns right and drives 14 km. He then takes a right turn and drives 12 km. He takes a final right turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again?

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

A. 5 km to the south



B. 4 km to the north

C. 5 km to the north

D. 4 km to the south



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Q84 General Intelligence & Reasoning

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

A. चार

B. तीन



C. एक

D. दोन

Q85 General Intelligence & Reasoning

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

44 52 61 71 82 ?

A. 92

B. 96

C. 98

D. 94

**Q86 General Intelligence & Reasoning**

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

A. 7



B. 6

C. 8

D. 9

Q87 General Intelligence & Reasoning

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

NPM LQJ JRG HSD ?

A. hgt

B. mnj

C. nhv

D. fta

**Q88 General Intelligence & Reasoning**

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

A. vt

B. ne

C. xg

D. uk

**Q89 General Intelligence & Reasoning**

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

A. कोणतेही नाही

B. एक



C. दोन

D. तीन

Q90 General Intelligence & Reasoning

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

KSD : HPA

FXM : CUJ

A. atu : xrs

B. nbj : jzh

C. hrc : eoy

D. liq : ifn



Q91 General Awareness

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

- A. स्वातंत्र्य हे आपले स्वप्न आहे आणि आपण ते साध्य केलेच पाहिजे.
- B. तुम्ही मला रक्त द्या, मी तुम्हाला स्वातंत्र्य देईन.
- C. स्वराज्य हा माझा जन्मसिद्ध हक्क आहे आणि तो मी मिळवणारच. ✓
- D. स्वातंत्र्य हे आपले ध्येय आहे आणि आपण ते साध्य करू.

Q92 General Awareness

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

- A. हिरे असणारे किम्बरलाइट खडक
- B. प्रामुख्याने सिमेंट उत्पादनासाठी वापरली जाणारी चुनखडी
- C. पेट्रोलियम आणि नैसर्गिक वायूचे साठे
- D. दगडी कोळसा आणि लोह खनिजाचे साठे ✓

Q93 General Awareness

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

- A. 1935 चा भारत सरकार कायदा
- B. 1919 चा भारत सरकार कायदा ✓
- C. 1909 चा भारतीय परिषद कायदा
- D. 1892 चा भारतीय परिषद कायदा

Q94 General Awareness

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

- A. ब्राझील
- B. इंग्लंड
- C. चीन ✓
- D. अमेरिका

Q95 General Awareness

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

- A. पाटणा
- B. नवी दिल्ली
- C. अहमदाबाद
- D. विशाखापट्टणम ✓

Q96 General Awareness

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

- A. दीर्घ आणि निरोगी जीवन
- B. चांगल्या दर्जाचे जीवनमान
- C. ज्ञानी असणे
- D. मानवी सुरक्षा ✓

Q97 General Awareness

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

- A. कायदेशीर दावेदारांना दावा न केलेल्या वित्तीय मालमत्तांचा जलद निपटारा आणि योग्य परतावा सुलभ करणे ✓
- B. पारदर्शकतेसाठी जनधन आणि upi चौकटीअंतर्गत सर्व वैयक्तिक बँकिंग खात्यांचे डिजिटायझेशन करणे
- C. संपत्ती निर्मितीसाठी दीर्घकालीन निवृत्तीवेतन आणि विमा साधनांमध्ये गुंतवणूक करण्यासाठी नागरिकांना प्रोत्साहित करणे
- D. ग्रामीण जिल्ह्यांमध्ये लहान व्यवसाय आणि स्वयंसहाय्यता (स्वबचत) गटांना सूक्ष्म पतपुरवठा वाढवणे

Q98 General Awareness

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

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



Q99 General Awareness

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

A. 44वीं सुधारणा, 1978

B. 24वीं सुधारणा, 1971

C. 52वीं सुधारणा, 1985

D. 42वीं सुधारणा, 1976



Q100 General Awareness

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

A. च्याब्रुंग

B. ढाक

C. दामा



D. दवंडी



General Science

40 Questions • Answer Key

Q1 General Science

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

- A. उष्माग्राही अभिक्रियेचे
- B. प्रत्यावर्ती अभिक्रियेचे
- C. उष्मादायी अभिक्रियेचे ✓
- D. प्रकाशरासायनिक अभिक्रियेचे

Q2 General Science

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

- A. 33 m/s
- B. 0.33 m/s
- C. 330 m/s ✓
- D. 3.3 m/s

Q3 General Science

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

- A. रोमकाची उपस्थिती
- B. आकुंचनक्षम प्रथिनांची उपस्थिती
- C. बाह्य पेशीय मॅट्रिक्सची उपस्थिती ✓
- D. चेताग्राची उपस्थिती

Q4 General Science

The formation of micelles in soap solution occurs due to:

- A. केवळ अपस्करण बले
- B. पाण्यातील जलविरोधी आणि जलाकर्षी परस्परक्रिया ✓
- C. आयनांतील विद्युतस्थितिक आकर्षण
- D. पाण्याच्या रेणूशी हायड्रोजनचे बंधन

Q5 General Science

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

- A. 0.6 m/s²
- B. 0.1 m/s² ✓
- C. 1.0 m/s²
- D. 0.4 m/s²

Q6 General Science

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

- A. -25 cm
- B. +6 cm
- C. -30 cm ✓
- D. +30 cm

Q7 General Science

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

- A. शाकाहारी प्राण्यांच्या संख्येत झपाट्याने वाढ
- B. उत्पादक वनस्पतींपर्यंत पोहोचणारा सूर्यप्रकाश कमी होणे
- C. अधिक मृत सेंद्रिय पदार्थांमुळे वनस्पतींची अधिक वाढ
- D. कचरा आणि मृत पदार्थ साठणे आणि त्यामुळे पोषक घटकांचे चक्र विस्कळीत होणे ✓

Q8 General Science

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

- A. $\text{Ca}_3(\text{PO}_4)_2$ ✓
- B. $\text{Ca}_4(\text{PO}_4)_3$
- C. $\text{Ca}_2(\text{PO}_4)_3$
- D. CaPO_4



Q9 General Science

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

A. $x/3$ nB. $x/9$ n

C. x n

D. $3x$ n ✓**Q10 General Science**

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

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

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

A. a असत्य आहे, पण r सत्य आहे

B. a आणि r हे दोन्ही सत्य आहेत, आणि r हे a चे योग्य स्पष्टीकरण नाही

C. a आणि r हे दोन्ही सत्य आहेत आणि r हे a चे योग्य स्पष्टीकरण आहे ✓

D. a सत्य आहे, पण r असत्य आहे

Q11 General Science

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

A. तंतू (हायफे)

B. बिजाणुधानी ✓

C. बीजाणू

D. मुळे (रूट्स)

Q12 General Science

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

A. व्यतीतकाल अप्रासंगिक आहे.

B. लागू होणारे बल अनुलंब असते.

C. भाराचे कोणतेही विस्थापन होत नाही. ✓

D. बल लागू केले जात नाही.

Q13 General Science

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

A. चायना गुलाबाचा (हिबिस्कस) अर्क आम्लारीत हिरवा होतो.

B. मूलभूत द्रावणात हळद लाल होते. ✓

C. लाल लिटमस आम्लांत निळा होतो.

D. मिथाइल ऑरेंज हे हळदीतून काढलेले प्राकृतिक दर्शक आहे.

Q14 General Science

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

A. स्थिर वेगासह ✓

B. शून्य विस्थापनासह

C. वेगाशिराय

D. असमान त्वरणासह

Q15 General Science

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

A. 10 m

B. 50 m ✓

C. 2 m

D. 5 m

Q16 General Science

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

A. अधोवाही तंतू

B. सहपेशी

C. अधोवाही मूलोती

D. चाळणी नलिका ✓



Q17 General Science

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

A. 1320 m/s

B. 330 m/s ✓

C. 165 m/s

D. 660 m/s

Q18 General Science

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

A. मातीची सुपीकता आणि पिकांचे उत्पादन इष्टतम करणे ✓

B. पाण्याच्या गरजा दूर करणे

C. तण वाढीला चालना देणे

D. कीटकनाशकांचा कमाल वापर करणे

Q19 General Science

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

A. $v + u = f$ B. $v - u = f$ C. $(1/v) - (1/u) = 1/f$ ✓D. $(1/v) \times (1/u) = 1/f$ **Q20 General Science**

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

A. विघटनकर्त्यांची संख्या अचानक कमी होईल.

B. मांसाहारी प्राण्यांची संख्या वाढेल.

C. अधिक चरणमाने अन्ननिर्मिती करणाऱ्या वनस्पती कमी होतील.

D. कमी अन्नमुळे मांसाहारी प्राण्यांची संख्या कमी होईल. ✓

Q21 General Science

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

A. 8 : 7

B. 7 : 8 ✓

C. 28 : 16

D. 14 : 32

Q22 General Science

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

A. उपकला पृष्ठभागावर पदार्थ सावित करणे

B. केवळ शोषणासाठी पृष्ठभागाचे क्षेत्रफळ वाढवणे

C. मार्गाला केवळ यांत्रिक आधार प्रदान करणे

D. श्लेष्मा हटवण्यासाठी त्याला ढकलून पुढे नेणे ✓

Q23 General Science

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

A. दाब

B. आकारमान

C. तापमान ✓

D. आयाम

Q24 General Science

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

A. विस्फारणी; प्रकुंचनी

B. उच्च; प्रकुंचनी

C. विस्फारणी; शिरीय

D. प्रकुंचनी; विस्फारणी ✓

Q25 General Science

Which of these is an example of a solid sol?

A. धुर

B. जेली

C. चीज

D. रंगीत रत्न ✓



Q26 General Science

Meristematic tissue in plants is mainly characterized by:

- A. मोठ्या, बऱ्याच रिक्तिका असलेल्या पेशी.
- B. कायमस्वरूपी साठवण करणाऱ्या पेशी.
- C. जाड भित्तिका असलेल्या परिपक्व पेशी.
- D. छोट्या, सक्रियपणे विभाजित होणाऱ्या आणि पातळ भित्तिका असलेल्या पेशी. ✓

Q27 General Science

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

- A. अंतर्द्रव्यी जालिका
- B. तंतुणिका
- C. पेशी भित्ति ✓
- D. पेशीजीवद्रव्य

Q28 General Science

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

- A. कारण संहती पद्धतीची निवड धातुक आणि धातुमळाच्या वितळणबिंदूवर अवलंबून असते
- B. कारण सर्व धातुकांचे भौतिक गुणधर्म एकसारखे असतात परंतु रासायनिक रचना भिन्न असतात
- C. कारण प्रत्येक पद्धत धातुक आणि धातुमळ यांच्यातील भौतिक आणि रासायनिक गुणधर्मातील विशिष्ट फरकांचा वापर करते ✓
- D. कारण धातुमळाचे कण रासायनिकदृष्ट्या अभिक्रियाशील असतात आणि ते काढण्यापूर्वी ऑक्सीडेशनद्वारे काढून टाकणे आवश्यक असते

Q29 General Science

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

- A. 100 j
- B. 500 j
- C. 250 j ✓
- D. 25 j

Q30 General Science

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

- A. पिवळी ज्योत
- B. काजळीयुक्त ज्योत
- C. हिरवी ज्योत
- D. स्वच्छ ज्योत ✓

Q31 General Science

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

- A. आयनिक संयुगे
- B. कार्बनी संयुगे ✓
- C. अकार्बनी संयुगे
- D. धात्विक संयुगे

Q32 General Science

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

- A. 10 n
- B. 25 n
- C. 100 n
- D. 250 n ✓

Q33 General Science

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

- A. H_2O
- B. CO
- C. O_3
- D. H_2 ✓



Q34 General Science

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

- A. विलंबित कापणी
- B. वर्षानुवर्षे त्याच पिकाची लागवड करणे
- C. कीटकांच्या लक्षणांकडे दुर्लक्ष करणे
- D. वेळेवर सिंचन आणि फलन ✓

Q35 General Science

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

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

Q36 General Science

What is the main advantage of using olfactory indicators?

- A. ते अचूक pH मूल्ये देतात.
- B. त्यांचा रंग झपाट्याने बदलतो.
- C. ते दृष्टिहीन व्यक्तींसाठी उपयुक्त आहेत. ✓
- D. त्यांचा वापर सर्व द्रावणांसाठी केला जाऊ शकतो.

Q37 General Science

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

- A. प्रथिने संश्लेषण
- B. सामग्रीचे पॅकेजिंग आणि स्रवण ✓
- C. प्रकाशसंश्लेषण
- D. ATP उत्पादन

Q38 General Science

An object is placed at 100 cm on the left of a convex lens of focal length 40 cm. Where should a screen be placed to right of the lens so that the image formed is real, inverted and smaller in size as compared to the object size?

- A. पडदा भिंगापासून 20 cm ते 40 cm च्या दरम्यान कोठेतरी ठेवायला हवा.
- B. पडदा भिंगापासून 40 cm अंतरावर ठेवायला हवा.
- C. पडदा भिंगापासून 100 cm पेक्षा अधिक अंतरावर ठेवायला हवा.
- D. पडदा भिंगापासून 40 cm ते 80 cm च्या दरम्यान कोठेतरी ठेवायला हवा. ✓

Q39 General Science

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

- A. केवळ अनंत अंतरावर
- B. केवळ 2f च्या पलीकडे
- C. भिंगाच्या समोर कोणत्याही अवस्थेत ✓
- D. केवळ 2f वर

Q40 General Science

Which of the following statements are correct?

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

- A. केवळ 2 आणि 4
- B. केवळ 1, 3 आणि 4 ✓
- C. केवळ 1 आणि 2
- D. 1, 2, 3 आणि 4



Q41 Mathematics

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

A. 120°



B. 135°

C. 140°

D. 115°

Q42 Mathematics

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

A. ₹3750

B. ₹16,870

C. ₹18,750



D. ₹7,850

Q43 Mathematics

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

A. 7 दिवस

B. 10 दिवस

C. 9 दिवस

D. 8 दिवस

**Q44 Mathematics**

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

A. ₹25,000

B. ₹15,000

C. ₹17,450



D. ₹18,650

Q45 Mathematics

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

A. 41

B. 38

C. 40



D. 39

Q46 Mathematics

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

A. 32,000

B. 33,000

C. 33,600



D. 32,600

Q47 Mathematics

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

A. 13



B. 3.5

C. 9.5

D. 3

Q48 Mathematics

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

A. 1962.74 cm^3

B. 1984.78 cm^3

C. 2016.67 cm^3

D. 1996.63 cm^3



Q49 Mathematics

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

A. 12



B. 13

C. 14

D. 9

Q50 Mathematics

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

A. 6400

B. 6200

C. 5500

D. 6000

**Q51 Mathematics**

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

A. 8,851

B. 9,112



C. 9,135

D. 8,987

Q52 Mathematics

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

A. 15 सेकंद



B. 14 सेकंद

C. 12 सेकंद

D. 16 सेकंद

Q53 Mathematics

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

A. 62.5

B. 70

C. 68

D. 67.5

**Q54 Mathematics**

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

A. 10

B. 8

C. 9



D. 7

Q55 Mathematics

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

A. 12.5

B. 11.5

C. 14.5

D. 13.5

**Q56 Mathematics**

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

A. 60

B. 90



C. 80

D. 120



Q57 Mathematics

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

A. 22

B. 17

C. 19



D. 12

Q58 Mathematics

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

A. 384 cm³



B. 512 cm³

C. 64 cm³

D. 256 cm³

Q59 Mathematics

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

A. ₹72,750

B. ₹72,875

C. ₹73,360

D. ₹72,900

**Q60 Mathematics**

The sum of the prime factors of 84 is:

A. 14

B. 12



C. 15

D. 18

Q61 Mathematics

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

A. 6y



B. 4x

C. 6y²

D. 4x²

Q62 Mathematics

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

A. 20



B. 16

C. 22

D. 18



Q63 Mathematics

Simplify:

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

A. 242



B. 232

C. 252

D. 262

Q64 Mathematics

$$\Delta PQR \angle Q = 90^\circ \tan R = \frac{1}{3} \Rightarrow 1 + \frac{\sec P (3 \cos R - \sin P)}{\operatorname{cosec} R (4 \sin R - \cos P)}$$

A. 5

B. 6

C. 3



D. 7

Q65 Mathematics

Simplify:

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

A. $\frac{16}{15}$



B. $\frac{17}{15}$

C. $\frac{14}{15}$

D. $\frac{13}{15}$

General Intelligence & Reasoning

25 Questions • Answer Key

Q66 General Intelligence & Reasoning

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

A. 7



B. 4

C. 1

D. 3



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Q67 General Intelligence & Reasoning

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

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

(5, 18, 24)

(9, 22, 28)

A. (8,21,27)



B. (4,17,11)

C. (6,19,13)

D. (11,36,42)

Q68 General Intelligence & Reasoning

Refer to the following letter series and answer the question. Counting to be done from left to right.
(Left) M M C R V I K Z J N L U W X W F O Y X F G (Right)
How many such consonants are there, each of which is immediately preceded by a vowel and also immediately followed by a vowel?

A. दोन

B. तीन

C. एकही नाही



D. एक

Q69 General Intelligence & Reasoning

Dhiraj starts from Point A and drives 11 km towards west. He then takes a right turn, drives 8 km, turns right and drives 14 km. He then takes a right turn and drives 11 km. He takes a final right turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again?

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

A. पश्चिमेकडे 5 km

B. उत्तरेकडे 3 km



C. दक्षिणेकडे 3 km

D. पूर्वेकडे 3 km

Q70 General Intelligence & Reasoning

BIRD is related to CLSG in a certain way based on the English alphabetical order. In the same way, RAIN is related to SDJQ. To which of the given options is STAR related, following the same logic?

A. twcv

B. uwcv

C. twbu



D. uvcu

Q71 General Intelligence & Reasoning

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

CVT : DXW

OBL : PDO

A. dxg : ezk

B. hze : iag

C. nau : ocx



D. skp : tlq

Q72 General Intelligence & Reasoning

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

A. 4

B. 2



C. 3

D. 5

Q73 General Intelligence & Reasoning

In a certain code language, 'KEPT' is coded as '7523' and 'OKAY' is coded as '4136'. What is the code for 'K' in that language?

A. 5

B. 1

C. 7

D. 3



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Q74 General Intelligence & Reasoning

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

24 35 40 51 56 ?

A. 68

B. 67



C. 69

D. 70

Q75 General Intelligence & Reasoning

Natesh starts from point Y and drives 58 km towards East. He then takes a left turn, drives 28 km, turns left and drives 40 km. He then takes a left turn and drives 71 km. He takes a right turn, drives 18 km to stop at point Z. How far (shortest distance) and towards which direction should he drive in order to reach point Y again? (All turns are 90-degree turns only unless specified.)

A. उत्तरेकडे 41 km

B. उत्तरेकडे 43 km



C. दक्षिणेकडे 39 km

D. पश्चिमेकडे 45 km

Q76 General Intelligence & Reasoning

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

CMO : DKP

WKL : XIM

A. gfr : gdr

B. hfc : hdc

C. dqg : dnh

D. oiy : pgz

**Q77 General Intelligence & Reasoning**

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

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

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

A. चार

B. तीन



C. एक

D. दोन

Q78 General Intelligence & Reasoning

In a certain code language,

P + Q means 'P is the mother of Q'

P - Q means 'P is the sister of Q'

P x Q means 'P is the father of Q'

P ÷ Q means 'P is the daughter of Q'

Based on the above, how is H related to G if 'H + S - T x G ÷ P'?

A. आईची आई

B. बहीण

C. वडिलांची आई



D. वडिलांची बहीण

Q79 General Intelligence & Reasoning

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

A. me - ha



B. wo - qi

C. tl - nf

D. yq - sk



Q80 General Intelligence & Reasoning

All 59 people are standing in a row facing North. Mahesh is 20th from the right end, while Kailash is 14th from the left end. How many people are there between Mahesh and Kailash?

A. 23

B. 26

C. 24

D. 25

**Q81 General Intelligence & Reasoning**

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

A. ghn

B. dek

C. nod



D. nou

Q82 General Intelligence & Reasoning

Seven people, A, V, C, L, E, K and N, are sitting in a row, facing north. Only four people sit to the left of E. Only four people sit to the right of L. Only one person sits between K and L. V sits to the immediate left of A. C does not sit to the left of N. Who sits third to the right of C?

A. I

B. e

C. a



D. k

Q83 General Intelligence & Reasoning

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

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

A. ab-ef

B. xy-ae



C. no-rs

D. jk-no

Q84 General Intelligence & Reasoning

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

$$3 \div 5 + 16 \times 8 - 8 = ?$$

A. 18

B. 21



C. 17

D. 20

Q85 General Intelligence & Reasoning

Rajdeep ranked 64th from the top and 23rd from the bottom in his class. How many students are there in his class?

A. 85

B. 84

C. 86



D. 87

Q86 General Intelligence & Reasoning

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

A. एक

B. दोन

C. चार

D. तीन



Q87 General Intelligence & Reasoning

Rajat is the brother of Garima. Garima is the sister of Harish. Harish is the father of Jyoti. Jyoti is the wife of Karan. How is Rajat related to Karan?

A. पत्नीच्या वडिलांचे वडील

B. पत्नीच्या आईचा भाऊ

C. पत्नीच्या वडिलांचा भाऊ



D. पत्नीच्या आईचे वडील

Q88 General Intelligence & Reasoning

Ay, Bk, Cv, Du, Es, Fo and Gw are sitting around a circular table facing the centre. Cv sits to the immediate right of Ay. Du sits third to the left of Ay. Bk is the immediate neighbour of Fo and Cv. Gw is not an immediate neighbour of Du. What is the position of Es with respect to Fo?

A. उजवीकडे दुसरे



B. लगत उजवीकडे

C. लगत डावीकडे

D. डावीकडे तिसरे

Q89 General Intelligence & Reasoning

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

$$3 \text{ B } 2 \text{ D } 12 \text{ A } 4 \text{ C } 3 = ?$$

A. 4

B. 8

C. 12

D. 6

**Q90 General Intelligence & Reasoning**

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

DGYL XKTQ ROOV LSJA ?

A. ewee

B. fvdv

C. evde

D. fwef

**General Awareness**

10 Questions • Answer Key

Q91 General Awareness

The NAVYA (Nurturing Aspirations through Vocational Training for Young Adolescent Girls) initiative, launched on 24 June 2025, is for which age group?

A. 12-14 वर्षे

B. 18-20 वर्षे

C. 14-16 वर्षे

D. 16-18 वर्षे

**Q92 General Awareness**

Division of legislative subjects into union, state and concurrent List is contained in which of the following schedules of the Constitution of India?

A. अकरावी अनुसूची

B. नववी अनुसूची

C. सातवी अनुसूची



D. पाचवी अनुसूची

Q93 General Awareness

The Constitution of India provided for how many types of emergencies in Part XVIII, from Articles 352 to 360?

A. तीन



B. चार

C. पाच

D. सहा

Q94 General Awareness

Which country launched the first indigenous, Low-Cost Gene Therapy for Sickle Cell Disease, named "BIRSA 101"?

A. चीन

B. जपान

C. स्पेन

D. भारत



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Q95 General Awareness

With reference to fluvial geomorphic processes in the Indian subcontinent, the Indo-Gangetic Plains have been formed predominantly due to the long-term accumulation of which specific type of deposits?

- A. शुष्क हवामानात तयार झालेले वातोढ वाळूचे साठे
- B. वारंवार होणाऱ्या सागरी अतिक्रमणामुळे झालेला सागरी गाळ
- C. खोऱ्यातील हिमनद्यांद्वारे थेट जमा होईपर्यंत तयार झालेली हिमनदी
- D. हिमालयीन नदी प्रणालींद्वारे जमा झालेले जलोढ गाळ ✓

Q96 General Awareness

Under the 2018 amendments in Foreign Direct Investment (FDI) policy approved by the Cabinet, the maximum Foreign Direct Investment (FDI) permitted under the automatic route in Single Brand Retail Trading (SBRT) is _____

- A. 40%
- B. 60%
- C. 85%
- D. 100% ✓

Q97 General Awareness

Which dance form is performed by men wearing long colorful robes and tall conical caps in Jammu & Kashmir?

- A. हुरकाबाउल
- B. छोलीया
- C. हिकट
- D. दुमहल ✓

Q98 General Awareness

Under the new scheme for first-time Women, SC and ST entrepreneurs, announced in the Union Budget 2025-26, what is the **maximum loan amount** that can be availed?

- A. ₹1 कोटी
- B. ₹5 कोटी
- C. ₹50 लाख
- D. ₹2 कोटी ✓

Q99 General Awareness

At which session of the Indian National Congress did the party formally split into the Moderates and the Extremists?

- A. दिल्ली अधिवेशन 1912
- B. मुंबई अधिवेशन 1910
- C. कलकत्ता अधिवेशन 1906
- D. सुरत अधिवेशन 1907 ✓

Q100 General Awareness

Which bank joins the India Bullion Exchange as a special category client?

- A. इंडियन बँक
- B. भारतीय स्टेट बँक ✓
- C. पंजाब नॅशनल बँक
- D. बँक ऑफ इंडिया



General Science

40 Questions • Answer Key

Q1 General Science

A wire carrying current is placed between the poles of a magnet. It experiences maximum force when it ____.

- A. चुंबकीय क्षेत्राला समांतर
- B. चुंबकीय क्षेत्राच्या 45° वर
- C. चुंबकीय क्षेत्राच्या बाहेर
- D. चुंबकीय क्षेत्राला लंब



Q2 General Science

Metals in the middle of the activity series, such as iron and zinc, are generally extracted by:

- A. कोणत्याही क्षपणकाशिवाय ते केवळ तापविणे
- B. वितळलेल्या क्षारांचे विद्युतअपघटन
- C. कार्बन किंवा कार्बन मोनॉक्साईडने त्यांच्या ऑक्साइडचे क्षपण
- D. जलीय द्रावणातून विस्थापन



Q3 General Science

The main reason for twinkling of stars is ____.

- A. वातावरणातील अपवर्तन काळानुसार बदलते
- B. ढगांचे अस्तित्व
- C. ताऱ्यांच्या आतील आण्विक अभिक्रिया
- D. ताऱ्याचा प्रकाश विखुरणे



Q4 General Science

Lysosomes are also known as:

- A. प्रथिनांचा कारखाना
- B. नियंत्रण केंद्रे
- C. ऊर्जेचे पॉवरहाऊस
- D. पेशीच्या आत्मघाती पिश्या



Q5 General Science

When several rays parallel to the principal axis fall on a concave mirror, how do the reflected rays behave?

- A. ते परावर्तनानंतर मुख्य अक्षाला समांतर जातात.
- B. ते त्याच मार्गावर परावर्तित होतात.
- C. ते पसरतात आणि आरशाच्या मागून येत असल्याचे भासतात.
- D. ते सगळे मुख्य अक्षावरील एकाच बिंदूवर एकत्र येतात.



Q6 General Science

Which of the following epithelial tissues is specialised for absorption and lines the inner surface of the intestine?

- A. स्तरीकृत अभिस्तर
- B. स्तंभाकार अभिस्तर ऊती
- C. रोमक अभिस्तर
- D. घनाभ अभिस्तर



Q7 General Science

Which of the following is the product formed when ethene (C_2H_4) reacts with hydrogen (H_2) in the presence of a catalyst nickel?

- A. प्रोपीन (C_3H_6)
- B. इथाइन (C_2H_2)
- C. प्रोपेन (C_3H_8)
- D. इथेन (C_2H_6)



Q8 General Science

An object travels 16 m in 4 s and then another 16 m in 2 s. What is the average speed of the object?

- A. 4 m/s
- B. 5.33 m/s
- C. 2.67 m/s
- D. 8 m/s



Q9 General Science

In the process of electrolytic refining of copper, which of the following is correctly matched?

- A. कॅथोड-अशुद्ध तांबे
- B. विद्युत अपघटनी-आम्लयुक्त कॉपर सल्फेट द्रावण ✓
- C. कॅथोड माती-शुद्ध तांब्याचे स्फटिक
- D. ॲनोड-शुद्ध तांबे

Q10 General Science

Six resistors of $3\ \Omega$ each are connected in parallel in a circuit. What will be their effective resistance?

- A. $0.5\ \Omega$ ✓
- B. $3\ \Omega$
- C. $18\ \Omega$
- D. $2\ \Omega$

Q11 General Science

Isotopes are atoms of the same element that have:

- A. विविध रासायनिक गुणधर्म असतात
- B. प्रोटॉनची भिन्न संख्या असते
- C. समान वस्तुमानांक परंतु भिन्न अणुक्रमांक असतो
- D. समान अणुक्रमांक परंतु भिन्न वस्तुमानांक असतो ✓

Q12 General Science

Read the given assertion and reason and select the correct option based on the analysis of these statements.

Assertion: Stethoscope uses the concept of multiple reflection of sound waves for its working.

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

- A. विधान असत्य आहे आणि कारण सत्य आहे.
- B. विधान सत्य आहे, पण कारण असत्य आहे.
- C. विधान आणि कारण हे दोन्ही सत्य आहेत आणि कारण हे विधानाचे योग्य स्पष्टीकरण आहे.
- D. विधान आणि कारण हे दोन्ही सत्य आहेत, मात्र कारण हे विधानाचे योग्य स्पष्टीकरण नाही. ✓

Q13 General Science

Crossbreeding in cattle is done to achieve ____.

- A. केवळ दुधातील स्निग्धान्शाचे वाढीव प्रमाण
- B. दीर्घकालीन पान्हा आणि रोग प्रतिकारशक्ती ✓
- C. अधिकची कर्षण शक्ती
- D. कमी दुध उत्पादन

Q14 General Science

What is the importance of sexual reproduction in creating variation in plant populations?

- A. ते कोणतेही बदल घडण्यापासून रोखते.
- B. ते कोणत्याही बदलांशिवाय dnaची प्रतिकृती निर्माण करते
- C. ते dnaची प्रतिकृती तयार करण्यातल्या त्रुटींना गती देते
- D. ते दोन जनकांचे dna एकत्र करून नवीन बदल निर्माण करते ✓

Q15 General Science

What is the main difference between isobars and isotopes?

- A. समवस्तुमानांकांचा अणुक्रमांक सारखाच असतो; समस्थानिकांचा अणुक्रमांक वेगवेगळा असतो.
- B. समवस्तुमानांकांचा वस्तुमानांक समान असतो परंतु अणुअंक वेगवेगळे असतात ✓
- C. समवस्तुमानांकांत इलेक्ट्रॉन समान संख्येने असतात; समस्थानिकांत नसतात
- D. समवस्तुमानांक हे एकाच मूलद्रव्याचे अणू असतात; समस्थानिक हे वेगवेगळ्या मूलद्रव्यांचे असतात

Q16 General Science

In a prism, the emergent ray comes out at an angle different from the incident ray. What is this angle called?

- A. विचलन कोन ✓
- B. परावर्ती कोन
- C. प्रिझमचा कोन
- D. आपाती कोन



Q17 General Science

Choose a term to complete the analogy.

Columnar Epithelium : Absorption :: Cuboidal Epithelium : _____

- A. श्लेष्मल द्रव्य पुढे ढकलणे
- B. एक नाजूक अस्तर तयार करणे
- C. आधार देणे
- D. झीज रोखणे

Q18 General Science

An object's mass remains constant everywhere (on the Earth or the Moon), whereas its weight changes because _____.

- A. वजन ही अदिश राशी आहे, तर वस्तुमान सदिश आहे
- B. वजनाचे si एकक न्यूटन आहे, तर वस्तुमानाचे किलोग्रॅम आहे
- C. वस्तुमान जडत्वावर अवलंबून असते, परंतु वजन नसते
- D. वजन हे स्थानानुसार बदलणाऱ्या g च्या स्थानिक मूल्यावर अवलंबून असते

Q19 General Science

A body travelling in a straight line with a constant velocity of 50 m/s. What is the displacement of the car in 10 sec and the type of motion followed by the car, respectively?

- A. 500 m आणि असमान गती
- B. 5 m आणि असमान गती
- C. 500 m आणि एकसमान गती
- D. 5 m आणि एकसमान गती

Q20 General Science

A bus moves from one end A to the other end B of a straight 1000 m road in 100 s and then turns around and moves 500 m back to point C in another 100 s. What will be the average velocity (in m/s) and the type of motion of the bus in going from point A to point C?

- A. 2.5 m/s आणि एकसमान गती
- B. 2.5 m/s आणि असमान गती
- C. 0.4 m/s आणि असमान गती
- D. 0.4 m/s आणि एकसमान गती

Q21 General Science

Which of the following is the best method to prevent corrosion of iron in coastal areas?

- A. जस्तविलेपन
- B. थंड पाण्यात बुडवणे
- C. तेल-आधारित रंगाने रंगविणे
- D. अधूनमधून लोह गरम करणे

Q22 General Science

The compound with molecular formula C_2H_4O can belong to which of the following functional group, and what is its IUPAC name?

- A. अल्कोहोल, इथेनॉल
- B. आल्डीहायड, इथेनाल
- C. आल्डीहायड, इथेनॉल
- D. ईथर, इथेन

Q23 General Science

Which of the following statements is/are correct regarding Rutherford's model of the atom?

Statement 1: The atom has a positively charged dense nucleus at its centre.

Statement 2: Electrons revolve in circular orbits around the nucleus without losing energy.

Statement 3: Most of the space inside the atom is empty.

- A. केवळ 1 आणि 2
- B. केवळ 2 आणि 3
- C. केवळ 1 आणि 3
- D. केवळ 1, 2 आणि 3

Q24 General Science

The SI unit of force (F) is _____.

- A. ज्युल
- B. $kg\ m/s^2$
- C. $kg\ m/s$
- D. $n\ m$



Q25 General Science

What will be the pH of a 0.01 M HCl solution?

A. 18

B. 2



C. 8

D. 12

Q26 General Science

A body undergoes a displacement of 50 m under the action of a constant force of 5 N in the same direction as that of the force. What will be the work done under the action of this force?

A. + 250 j



B. - 25 j

C. - 250 j

D. + 25 j

Q27 General Science

Which of the following statements correctly differentiates a compound from a mixture?

A. संयुगे परिवर्तनशील रचना दाखवतात, मिश्रणे ती दाखवत नाहीत

B. मिश्रण भौतिक मार्गाने वेगळे केले जाऊ शकते, परंतु संयुगे तशी वेगळी केली जाऊ शकत नाहीत.



C. संयुगे त्यांच्या घटकांचे गुणधर्म राखून ठेवतात.

D. मिश्रणे रासायनिक अभिक्रियांद्वारे तयार होतात.

Q28 General Science

An object moving at 25 m/s is brought to rest in 5 seconds. The final velocity is _____.

A. 5 m/s

B. 25 m/s

C. 0 m/s



D. 20 m/s

Q29 General Science

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

A. विद्युत आवेगांचे प्रसारण



B. पोषक तत्वांचे शोषण

C. हालचालीसाठी आकुंचन

D. आधार आणि बंधन देणे

Q30 General Science

When sound propagates through air, the region of high pressure created by the vibrating object pushing air forward is called a _____.

A. माध्यमाची सीमा

B. विरलन (r)

C. अवतरंग

D. संपिंडन (c)

**Q31 General Science**

How long does an unfertilised egg survive after being released from the ovary?

A. एक महिना

B. दोन तास

C. जवळपास एक दिवस



D. एक आठवडा

Q32 General Science

What are the two main categories of factors responsible for storage losses in agricultural produce?

A. यांत्रिक आणि औष्णिक

B. कापणी आणि प्रक्रिया

C. रासायनिक आणि विद्युत

D. जैविक आणि अजैविक



Q33 General Science

Which group of organisms is responsible for breaking down dead bodies and waste into simpler substances that return to the soil?

- A. केवल परजीवी
- B. विघटक ✓
- C. भक्षक
- D. उत्पादक

Q34 General Science

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

Statement A: Nervous tissue is responsible for rapid transmission of electrical impulses in the body.

Statement B: Nervous tissue mainly provides structural and mechanical support to organs.

- A. a हे विधान योग्य आहे, पण b अयोग्य आहे ✓
- B. a आणि b हे दोन्ही विधाने अयोग्य आहेत
- C. a हे विधान अयोग्य आहे, पण b योग्य आहे
- D. a आणि b हे दोन्ही विधाने योग्य आहेत

Q35 General Science

Which of the following describes a key function of lysosomal enzymes?

- A. प्रथिने, लिपिड्स आणि कर्बोदकांचे विघटन करणे ✓
- B. जीनीद्रव्यांचा संचय करणे
- C. पेशीसाठी नवीन प्रथिने तयार करणे
- D. पटलमार्गे रेणूंचे वहन

Q36 General Science

Implantation of developing embryo occurs in which part of the female reproductive system in human beings?

- A. अंडाशय
- B. फॅलोपिअन नलिका
- C. गर्भाशय ग्रीवा
- D. गर्भाशय अंतःस्तर ✓

Q37 General Science

If a sample of air is compressed to half its volume, which of the following statements is correct?

- A. हवेचे संयोजन बदलते.
- B. वायूंचे प्रमाण बदलते.
- C. संपीडित झाल्यावर हवा एक संयुग होते.
- D. हवेची संयोजन सारखेच राहते कारण ते एक मिश्रण आहे. ✓

Q38 General Science

Which of the following is a ring compound with the molecular formula C_6H_{12} ?

- A. सायक्लोहेक्सेन ✓
- B. बेन्झिन
- C. हेक्सेन
- D. ब्युटेन

Q39 General Science

Which of the following best distinguishes a food web from a food chain?

- A. अन्नजालिका ऊर्जेचा उलटा प्रवाह होऊ देते; अन्न साखळी एकमार्गी असते
- B. अन्नजालिका सर्व ऊर्जा अंतरीत करते; अन्न साखळी ऊर्जा गमावते
- C. अन्नजालिका अनेक पोषण पातळ्या दाखवते; अन्न साखळी एक पातळी दाखवते ✓
- D. अन्न साखळीमध्ये नेहमीच अपघटक असतात; अन्नजालिकेत नसतात

Q40 General Science

The molecular mass of a compound is '60'. If it contains 40% carbon, 6.7% hydrogen, and 53.3% oxygen, what is the molecular formula?

- A. $C_3H_6O_3$
- B. CH_2O
- C. $C_2H_4O_2$ ✓
- D. $C_4H_8O_4$



Q41 Mathematics

Two numbers are in the ratio of 4 : 9. If their sum is 26, then find the mean proportional between them.

A. 14

B. 10

C. 11

D. 12

**Q42 Mathematics**

How many positive integers less than 30 are co-prime to 30?

A. 5

B. 7

C. 8

D. 6

**Q43 Mathematics**

What sum of money (in ₹) will yield ₹740 as simple interest in 2 years at 5% per annum?

A. 7600

B. 6900

C. 7400

D. 7800

**Q44 Mathematics**

A car travels 120 km at an unknown speed x km/h and then returns at $(x + 20)$ km/h. The average speed for the whole journey is 60 km/h. Find the value of x . (Round to one decimal place.)

A. 54.5

B. 51.6

C. 52.4

D. 50.2

**Q45 Mathematics**

A shopkeeper sold a book at a loss of 7%. If the selling price had been increased by ₹120, there would have been a gain of 17%. What was the cost price (in ₹) of the book?

A. 495

B. 505

C. 500

D. 510

**Q46 Mathematics**

The difference between the ages of Sakshi and Priya is 37 years. Five years ago from now, the sum of their ages was 95 years. If Sakshi is older than Priya, find Priya's present age (in years).

A. 24

B. 43

C. 34

D. 28

**Q47 Mathematics**

The value of $11^3 - 8^3$ is:

A. 806

B. 866

C. 819

D. 759

**Q48 Mathematics**

What is the mode of the following data?

40, 53, 47, 55, 42, 46, 50, 42, 54, 49, 40, 54, 43, 40, 44, 55, 49, 53

A. 49

B. 53

C. 55

D. 40



Q49 Mathematics

One pipe can fill the tank in 18 min, while another pipe can empty the completely filled tank in 72 min. If both the pipes are operated together on empty tank, how long (in min) will it take to fill two-third of the tank?

A. 16



B. 48

C. 64

D. 32

Q50 Mathematics

A dealer buys two articles X and Y for ₹1,200 each. He marks each of them at the same price. He sells X by giving two successive discounts of 80% and 44% and still earns ₹172 as profit. If he sells Y at a single discount of 88%, then what is the profit percentage on Y?

A. 22%

B. 21.5%

C. 22.5%



D. 21%

Q51 Mathematics

A sum of money amounts to ₹52,020 in 6 months at the rate of 8% per annum when the interest is compounded quarterly. Find the sum.

A. ₹51,000

B. ₹48,000

C. ₹49,000

D. ₹50,000

**Q52 Mathematics**

Which of the following numbers is not divisible by both 94 and 68?

A. 9588

B. 3196

C. 7990



D. 6392

Q53 Mathematics

The mean of a data is 41 and its median is 98. The mode (using empirical relation) of the data is:

A. 240

B. 212



C. 128

D. 209

Q54 Mathematics

The difference between the ages of Anuja and Mahima is 42 years. Five years ago from now, the sum of their ages was 98 years. If Anuja is older than Mahima, find Mahima's present age (in years).

A. 27

B. 28

C. 33



D. 29

Q55 Mathematics

A person gave 40% of his income to his wife to look after household expenditure. He gave 20% of the remaining amount to each of his two sons and one daughter. One - third of the amount now left was spent on miscellaneous items and the remaining amount ₹14,400 was deposited in the bank. Find his income.

A. ₹1,10,000

B. ₹96,000

C. ₹1,00,000

D. ₹90,000

**Q56 Mathematics**

In a test, B got 50 marks while A got 80 marks out of 110 maximum marks. What percentage of A's marks were B's marks?

A. 72.73 %

B. 160 %

C. 110 %

D. 62.5 %



Q57 Mathematics

Which of the following numbers is divisible by 11?

A. 502589

B. 502579



C. 512579

D. 513589

Q58 Mathematics

Karan and Arjun start a business. Karan invests ₹15,000 more than Arjun. Karan invests for 3 months, and Arjun invests for 4 months. At the end of the business, the total profit is ₹6,060, and Karan's share is ₹2,020 more than Arjun's share. Find the capital contributed by Karan.

A. ₹24,093

B. ₹23,885

C. ₹24,000



D. ₹24,087

Q59 Mathematics

Three inlet pipes A, B, and C can fill a tank in 8 hours, 12 hours, and 24 hours, respectively. First, pipe A is opened alone for 1 hour. Then pipe B is opened, and both A and B run together for the next 2 hours. After that, pipe C is also opened, and all three pipes run together until the tank is full. How much total time, from the start, will it take to fill the tank?

A. 4 तास 30 मिनिटे

B. 4 तास 40 मिनिटे

C. 4 तास 20 मिनिटे

D. 4 तास 50 मिनिटे

**Q60 Mathematics**

If the length of the side of an equilateral triangle is 8 cm, find its area. (Use $\sqrt{3} = 1.732$).

$$\sqrt{3} = 1.732$$

A. 28.612 sq.cm.

B. 26.812 sq.cm.

C. 27.712 sq.cm.



D. 24.812 sq.cm.

Q61 Mathematics

The sum of the length, breadth and height of a cuboid is p cm and its diagonal is q cm. Find its total surface area (in cm^2).

A. $(p - q)^2$

B. $p^2 + q^2$

C. $\frac{p^2 - q^2}{2}$

D. $p^2 - q^2$



Q62 Mathematics

If $a = 0.1125$, then find the value of $100[\sqrt{1 + 2(3a) + 9a^2} - 4a]$.

A. 88.75



B. 87.75

C. 85.57

D. 87.57

Q63 Mathematics

Simplify: $\left(\frac{15}{24} \div \frac{15}{2}\right) \div \left(\frac{1}{8} \times \frac{16}{3} + \frac{1}{8}\right) + \frac{2}{11} \div \frac{19}{23}$ of $\frac{23}{11}$

A. $-\frac{4}{24}$

B. $\frac{4}{19}$



C. $-\frac{5}{23}$

D. $\frac{7}{18}$

Q64 Mathematics

$$\frac{\sin\theta + \cos\theta}{\sin\theta - \cos\theta} = 11 \frac{25 \tan^2\theta - 3}{36 \cot^2\theta + 2} - 1 \frac{11}{9} \frac{2}{9} \frac{2}{9}$$

A. $\frac{11}{9}$

B. $\frac{2}{9}$



C. $\frac{7}{9}$

D. 1

Q65 Mathematics

The curved surface area of a right circular cylinder is 1056 cm^2 and its height is 16 cm. Find the total surface area of the cylinder.

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

A. 1974 cm^2

B. 1749 cm^2



C. 1479 cm^2

D. 1794 cm^2



Q66 General Intelligence & Reasoning

In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following sets.

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

32, 192

41, 246

A. 38, 226

B. 35, 210

C. 44, 364

D. 43, 254

Q67 General Intelligence & Reasoning

In a certain code language,

A + B means 'A is the sister of B'

A – B means 'A is the brother of B'

A x B means 'A is the wife of B'

A ÷ B means 'A is the father of B'

Based on the above, how is M related to R if 'M – K + L ÷ P x R'?

A. पत्नीचा भाऊ

B. पत्नीच्या वडिलांचे वडील

C. पत्नीचे वडील

D. पत्नीच्या वडिलांचा भाऊ

Q68 General Intelligence & Reasoning

In a certain code language,

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

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

A ÷ 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. पत्नीच्या वडिलांच्या बहिणीचा पती

B. पत्नीच्या वडिलांच्या बहिणीचा मुलगा

C. पत्नीचे वडील

D. पत्नीचा भाऊ

Q69 General Intelligence & Reasoning

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

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

(6, 18, 14)

(8, 20, 16)

A. (14, 26, 30)

B. (9, 21, 25)

C. (13, 25, 21)

D. (12, 28, 24)

Q70 General Intelligence & Reasoning

Refer to the following series and answer the question.

(All numbers are single-digit numbers only. Counting to be done from left to right.)

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

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

A. एक

B. तीन

C. दोन

D. चार



Q71 General Intelligence & Reasoning

In a certain code language,

'A + B' means 'A is the son of B',
 'A @ B' means 'A is the sister of B',
 'A # B' means 'A is the wife of B' and
 'A ÷ B' means 'A is the father of B'.

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

A. भावाची पत्नी



B. पत्नी

C. मुलगी

D. भावाची मुलगी

Q72 General Intelligence & Reasoning

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

$$4 \div 2 + 12 \times 4 - 3 = ?$$

A. 4

B. 6

C. 8



D. 9

Q73 General Intelligence & Reasoning

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

$$57 D 34 C 90 A 18 B 6 = ?$$

A. 57

B. 55

C. 53



D. 54

Q74 General Intelligence & Reasoning

In a certain code language, 'SNOW' is coded as '1732' and 'KNOW' is coded as '5317'. What is the code for 'K' in that language?

A. 7

B. 2

C. 5



D. 1

Q75 General Intelligence & Reasoning

Seven boxes, B, F, G, H, R, T and Y, kept one over the other, but not necessarily in the same order.

R is kept immediately above H. G is kept immediately above T. Only one box is kept between H and T. T is kept above R. Only one box is kept below Y. G or B are not kept at the top.

How many boxes are kept above T?

A. 3

B. 1

C. 2



D. 4

Q76 General Intelligence & Reasoning

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

A. तीन

B. एक

C. शून्य



D. दोन

Q77 General Intelligence & Reasoning

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

SJT HYI WNX LCM ?

A. asd

B. abs

C. arb



D. abr



Q78 General Intelligence & Reasoning

S is the daughter of E. E is the wife of L. N is the mother of K. N is the sister of L. How is S related to K?

- A. भावाची मुलगी
- B. आईच्या भावाची पत्नी
- C. आईच्या भावाची मुलगी ✓
- D. भावाची पत्नी

Q79 General Intelligence & Reasoning

Seven people, C, D, E, F, J, K and L, are sitting in a row, facing north. Only three people sit between D and J. L sits to the immediate left of J. No one sits to the right of K. Only two people sit between K and L. C sits to the immediate right of E.

How many people sit between F and C?

- A. चार
- B. तीन
- C. दोन ✓
- D. एक

Q80 General Intelligence & Reasoning

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

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

- A. hb - ic
- B. mg - nh
- C. jd - le ✓
- D. qk - rl

Q81 General Intelligence & Reasoning

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

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

- A. ps - tw
- B. jm - nq
- C. mp - rt ✓
- D. qt - ux

Q82 General Intelligence & Reasoning

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

HDF-DZB

GCE-CYA

- A. upq-pln
- B. uqs-qmo ✓
- C. upq-qmo
- D. uqs-pmn

Q83 General Intelligence & Reasoning

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

- A. 2
- B. 3
- C. 1
- D. 0 ✓



Q84 General Intelligence & Reasoning

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

(Left) E Z J K A R T S W H M F U C N P D K I E N O A K
(Right)

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

A. 2



B. 4

C. 1

D. 3

Q85 General Intelligence & Reasoning

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

POK-GFB

FEA-WVR

A. wvr-nmi



B. wvr-mmh

C. wup-nmi

D. wup-mlh

Q86 General Intelligence & Reasoning

In a certain code language, 'PICK' is coded as '2384' and 'SKIP' is coded as '4638'. What is the code for 'S' in that language?

A. 8

B. 6



C. 2

D. 3

Q87 General Intelligence & Reasoning

Seven people H, I, J, K, L, M, and N are sitting in a row facing the north. Only two people are seated to the left of L. Only three people are seated between L and H. I is seated second to the right of J. I is not an immediate neighbour of H. K is seated to the immediate right of M. Who is seated at the extreme left end of the row?

A. n



B. h

C. k

D. j

Q88 General Intelligence & Reasoning

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

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

A. rkl



B. uxv

C. psq

D. svt

Q89 General Intelligence & Reasoning

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

MATH – AMTH – AHTM

MELT – EMLT – ETLT

A. hart – rtah – ahrt

B. cold – oclt – odlc



C. team – aemt – team

D. lead – alde – adle



Q90 General Intelligence & Reasoning

Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. E is kept fifth from the bottom. C is kept fifth from the top. Only one box is kept between D and C. F is kept immediately below B. A is not kept below G. How many boxes are kept between G and A?

A. तीन

B. एक



C. एकही नाही

D. दोन

General Awareness

10 Questions • Answer Key

Q91 General Awareness

In September 2025, the Supreme Court of India reaffirmed which important legal position under the Scheduled Castes and the Scheduled Tribes (Prevention of Atrocities) Act, 1989?

A. अटकपूर्व जामीन केवल उच्च न्यायालयाकडूनच मंजूर केला जाऊ शकतो

B. आरोपी कोणत्याही स्थितीत अटकपूर्व जामिनासाठी अर्ज करू शकतो

C. FIR मध्ये प्रथमदर्शनी कायद्यांतर्गत गुन्हा उघड झाल्यास अटकपूर्व जामीन देण्यास पूर्णपणे मनाई आहे



D. अटकपूर्व जामिनाची तरतूद भारतीय दंड संहितेतून काढून टाकण्यात आली आहे

Q92 General Awareness

Who among the following made a significant contribution to Bharatanatyam as a performer, teacher, composer and scholar and was awarded Padma Bhushan in 2011?

A. सी. व्ही. चंद्रशेखर



B. गुरु बिपिन सिंग

C. वेम्पटी चिन्ना सत्यम

D. कलामंडलम गोपी

Q93 General Awareness

Who among the following were the pivotal leaders of the Santhal Rebellion of 1855–1856?

A. सिद्धू मुर्मू आणि कान्हू मुर्मू



B. बिरसा मुंडा आणि रघुनाथ मुर्मू

C. लालू प्रसाद आणि सिद्धू कान्हू

D. तिलका मांझी आणि सिडो कान्हू

Q94 General Awareness

In which country is the military exercise ZAPAD 2025 conducted from 10 to 16 September 2025?

A. जपान

B. रशिया



C. फ्रान्स

D. जर्मनी

Q95 General Awareness

In which year did India sign the World Trade Organization (WTO) Agreement and become a founding member of WTO?

A. 1991

B. 1995



C. 1993

D. 1997

Q96 General Awareness

The National Sports Governance Bill, 2025, was introduced to achieve which of the following objective?

A. राष्ट्रीय स्तरावरील प्रतिभा शोध कार्यक्रम सुरू करणे

B. ऑलिम्पिक खेळांसाठी अर्थसंकल्पीय तरतूद वाढवणे

C. शाळांमध्ये शारीरिक आणि क्रीडा शिक्षण सुधारणे

D. क्रीडा संस्थांना मान्यता देण्यासाठी आणि त्यांचे नियमन करण्यासाठी नियम तयार करणे



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Q97 General Awareness

The term 'Armed Rebellion' was introduced under Article 352 of the Indian Constitution for the proclamation of a National Emergency by which Constitutional Amendment?

- A. 86वा सांविधानिक सुधारणा अधिनियम, 2002
- B. 61वा सांविधानिक सुधारणा अधिनियम, 1988
- C. 44वा सांविधानिक सुधारणा अधिनियम, 1978 ✓
- D. 42वा सांविधानिक सुधारणा अधिनियम, 1976

Q98 General Awareness

"To provide opportunities for education to his child or ward between the ages of six and fourteen years" was added to the Indian Constitution as the 11th Fundamental Duty through which of the following amendments?

- A. 61वा सांविधानिक सुधारणा अधिनियम, 1988
- B. 42वा सांविधानिक सुधारणा अधिनियम, 1976
- C. 44वा सांविधानिक सुधारणा अधिनियम, 1978
- D. 86वा सांविधानिक सुधारणा अधिनियम, 2002 ✓

Q99 General Awareness

In which Indian state do the Western Ghats reach their maximum elevation, marked by the presence of Anaimudi, the highest peak of the range?

- A. महाराष्ट्र
- B. कर्नाटक
- C. केरळ ✓
- D. तामिळनाडू

Q100 General Awareness

During October 2025, what first-ever scientific observation was made by ISRO's Chandrayaan-2 orbiter?

- A. चंद्रावरील नव्याने ओळखल्या गेलेल्या खनिजाचा शोध
- B. चंद्राच्या कवचाखाली होणाऱ्या ज्वालामुखीच्या क्रियाकलापांचा शोध
- C. चंद्राच्या पृष्ठभागाखाली पाण्याच्या साठ्यांची उपस्थिती
- D. चंद्रावर सूर्याकडून होणाऱ्या कोरोनल मास इजेक्शनचे परिणाम ✓



General Science

40 Questions • Answer Key

Q1 General Science

Which of the following combinations best explains why waste generation has become a major environmental issue in modern societies?

- A. पॅकेजिंग साहित्याच्या वापरात घट आणि अधिक चक्रीकरण
- B. विघटनशील गोष्टींचा अधिक वापर आणि विल्हेवाट लावण्याच्या चांगल्या सवयी
- C. सुधारित जीवनशैलीमुळे एकवार उपयोगी आणि अविघटनशील वस्तूंचा अधिक वापर ✓
- D. विघटनशील कचऱ्याचे संकलन आणि त्याचे चक्रीकरण मर्यादित करणारे सरकारी नियम

Q2 General Science

Which of the following tissues is responsible for limb and body movement?

- A. अभिस्तर ऊती
- B. कंकाल स्नायू ✓
- C. गुळगुळीत स्नायू
- D. हृदय स्नायू

Q3 General Science

Which of the following statements is/are true regarding the speed of sound?

- (i) The speed of sound decreases with an increase in the temperature of the medium.
- (ii) The speed of sound in solid state is greater than the speed of sound in gaseous state under the same external conditions.
- (iii) The speed of sound is independent of the properties of the medium through which it travels.

- A. केवळ (ii) ✓
- B. केवळ (iii)
- C. (i) आणि (ii) दोन्ही
- D. (i) आणि (iii) दोन्ही

Q4 General Science

The deeply folded inner membrane of mitochondria helps to increase the _____ for ATP generation.

- A. पेशीभित्तिकाची जाडी
- B. रंग
- C. आकारमान
- D. पृष्ठफळ ✓

Q5 General Science

How much work is required to move a charge of 3 C between two points that have a potential difference of 15 V?

- A. 14 j
- B. 5 j
- C. 21 j
- D. 45 j ✓

Q6 General Science

Why is vegetative propagation useful for agriculture purposes?

- A. ते एकसारखी झाडे जलदरित्या निर्माण करते ✓
- B. त्याला प्रत्येक पिढीसाठी बियाणे आवश्यक असते
- C. ते रोगांना नैसर्गिकरित्या रोखते
- D. त्यामुळे अनुवांशिक विविधता वाढते

Q7 General Science

Choose a term to complete the analogy.

Chlorenchyma : Photosynthesis :: Aerenchyma :

- A. प्लावकता ✓
- B. अन्नाचा संचय
- C. पाण्याचे शोषण
- D. यांत्रिक मजबूती



Q8 General Science

Which of the following pairs are isotopes?

A. ^1H आणि ^2H



B. ^{40}Ca आणि ^{40}Ar

C. ^{12}C आणि ^{14}N

D. ^{16}O आणि ^{16}F

Q9 General Science

Which of the following correctly differentiates ligament from tendon in human connective tissue?

A. टेंडन लवचिक असते, तर अस्थिबंधन पूर्णपणे अलवचिक असते

B. अस्थिबंधन स्नायूंना हाडांशी जोडते, तर टेंडन हाडांना हाडांशी जोडतो

C. अस्थिबंधन आणि टेंडन दोन्ही हाडांना हाडांशी जोडतात, परंतु त्यांच्या रंगात फरक असतो

D. अस्थिबंधन हाडांना हाडांशी जोडते; टेंडन स्नायूंना हाडांशी जोडते

**Q10 General Science**

What is the concentration of H^+ ions in pure water at 25°C ?

A. $1 \times 10^{-4} \text{ M}$

B. $1 \times 10^{-1} \text{ M}$

C. $1 \times 10^{-7} \text{ M}$



D. $1 \times 10^{-5} \text{ M}$

Q11 General Science

An object has a mass of 12 kg and moves with a constant speed of 8 m/s. How much kinetic energy does it have?

A. 384 J



B. 512 J

C. 256 J

D. 768 J

Q12 General Science

Which of the following pairs of compounds contain the same total number of atoms per molecule?

A. H_2SO_4 and N_2O_5



B. $\text{C}_2\text{H}_6\text{O}$ and PCl_3

C. CO_2 and H_2O_2

D. NH_3 and CH_4

Q13 General Science

The far point of a myopic person is 80 cm in front of the eye. Assuming the far point for normal vision is infinity, what is the required power (P) of the corrective lens?

A. +1.25 D

B. -0.80 D

C. +0.80 D

D. -1.25 D

**Q14 General Science**

Which of the following correctly represents the unit mass of a molecule of water (H_2O)?

A. 16 u

B. 18 u



C. 20 u

D. 10 u

Q15 General Science

Which of the following is NOT explained by the Universal Law of Gravitation?

A. भरती-ओहोटी निर्माण होणे

B. झाडावरून सफरचंद पडणे

C. पृथ्वीवरील वस्तूंचे वजन

D. एखाद्या चल वस्तूला हवेने केलेला रोध

**Q16 General Science**

A constant force of 21 N moves a body through 3 m in its own direction. Work done is ____.

A. 24 J

B. 63 J



C. 7 J

D. 18 J



Q17 General Science

Two resistors of $5\ \Omega$ and $15\ \Omega$ are connected in series to a battery of 10 V. How much will flow through the circuit?

- A. 2 a
B. 200 a
C. 0.4 a
D. 0.5 a

**Q18 General Science**

Match the elements in Column I with their correct electron distribution in Column II according to the Bohr-Bury rules.

Element	Electron Distribution
A. Sodium (Na)	1. 2, 8, 2
B. Magnesium (Mg)	2. 2, 8, 1
C. Aluminium (Al)	3. 2, 8, 3
D. Calcium (Ca)	4. 2, 8, 8, 2

- A. a-1, b-3, c-2, d-4
B. a-2, b-3, c-4, d-1
C. a-2, b-1, c-3, d-4
D. a-2, b-3, c-1, d-4

**Q19 General Science**

What causes only the animal cell to burst when both plant and animal cells are placed in pure water?

- A. प्राणीपेशीतील पटल जाड असते.
B. केवळ प्राणीपेशीतच परासरण घडून येते.
C. वनस्पतीपेशी पाणी सक्रियपणे बाहेर काढू शकतात.
D. वनस्पतीपेशीची पेशीभित्तिका टणक असते.

**Q20 General Science**

A scientist observed that an iron railing near the sea corroded faster than the same type of railing in a dry city. What could the main reason be?

- A. सागरी हवा अधिक दमट असल्यामुळे गंज लागण्याची प्रक्रिया मंदावते.
B. समुद्राजवळील लोखंड अधिक सूर्यप्रकाशाच्या संपर्कात येते.
C. समुद्राच्या हवेत मीठ आणि आर्द्रता असते, त्यामुळे वेगाने गंज लागतो.
D. शहराच्या हवेत कमी ऑक्सिजन असतो, त्यामुळे गंज होण्यापासून रक्षण होते.

**Q21 General Science**

Which of the following correctly represents a diatomic element?

- A. co
B. h
C. h_2
D. he

**Q22 General Science**

After fertilisation in humans, where does the growth and development of the embryo mainly occur?

- A. uterus
B. fallopian tube
C. vagina
D. ovary

**Q23 General Science**

Which of the following is correct for substitution reaction?

- A. एका रेणूतील अणू किंवा गटांची जागा दुसरा अणू किंवा गट घेतो अशी एक अभिक्रिया.
B. एका संयुगात हायड्रोजन मिसळला जातो, शी एक अभिक्रिया.
C. संयुग साध्या पदार्थात विघटित होतो, अशी एक अभिक्रिया.
D. दोन संयुगे एकत्र येऊन एक संयुग तयार होते, अशी एक अभिक्रिया.

**Q24 General Science**

Why is electrolysis used for the extraction of metals high up in the reactivity series, such as sodium and aluminum?

- A. कारण या धातूंचे कार्बन किंवा हायड्रोजनद्वारे क्षपण केले जाऊ शकत नाही.
B. कारण हे धातू मूळ स्थितीत असतात.
C. कारण या धातूंचे द्रवणांक कमी असतात.
D. कारण हे धातू वेगात बाष्पीभवण होणारी ऑक्साईड्स तयार करतात



Q25 General Science

Which of the following isotopes is used in the treatment of cancer?

- A. आयोडीनचे समस्थानिक
- B. कार्बनचे समस्थानिक
- C. युरेनियमचे समस्थानिक
- D. कोबाल्टचे समस्थानिक ✓

Q26 General Science

A farmer walks along the boundary of a square field with side 11 m, completing one round in 20 seconds. After walking for 3 minutes and 20 seconds, what is the magnitude of the displacement from his starting point?

- A. 15.56 m
- B. 0 m ✓
- C. 11 m
- D. 22 m

Q27 General Science

A wire has a resistance of $10\ \Omega$. If it is stretched to three times its original length (volume remaining constant), its new resistance will be _____.

- A. $90\ \Omega$ ✓
- B. $30\ \Omega$
- C. $10\ \Omega$
- D. $3.33\ \Omega$

Q28 General Science

Which characteristic best describes parenchyma?

- A. जाड दुय्यम भित्तिकासह परिपक्वतेच्या वेळी मृत होतात.
- B. वंकण होणाऱ्या दृढ पेशी.
- C. पातळ भित्तिका असलेल्या सजीव पेशी, ज्या तरुण ऊर्तीमध्ये विभागणी करतात. ✓
- D. संरक्षक कार्यासह एकाच थरात पेशींची मांडणी केली जाते.

Q29 General Science

The principal focus of a concave mirror is:

- A. आरशावरचा एक बिंदू असतो जिथे सर्व किरणे एकत्र येतात.
- B. आरशाच्या वक्रतेचे केंद्र
- C. आरशाचा ध्रुव
- D. मुख्य अक्षाला समांतर असलेले किरण परावर्तनानंतर ज्या ठिकाणी एकत्र येतात तो बिंदू. ✓

Q30 General Science

Why is regular and controlled irrigation important for crop production?

- A. हे मृदेची क्षारता वाढवते आणि मुळांची वाढ रोखते.
- B. यामुळे वनस्पती अनैसर्गिक पाण्यावर अवलंबून राहतात.
- C. यामुळे पाण्याद्वारे पोषक तत्वांचा पुरवठा करून खतांचा वापर कमी होतो.
- D. हे वाढीच्या निर्णायक टप्प्यांवर इष्टतम पाणीपुरवठा सुनिश्चित करते. ✓

Q31 General Science

The motion of an athlete running along a circular path with constant speed is an example of accelerated motion because _____.

- A. the direction of motion changes continuously ✓
- B. the athlete's speed is increasing
- C. a constant external force is applied
- D. the mass of the athlete is constant

Q32 General Science

If the speed of light in a medium is 2.25×10^8 m/s, its refractive index is _____.

- A. 1.75
- B. 1.33 ✓
- C. 0.75
- D. 1.50



Q33 General Science

Which of the following statements is true with respect to the reaction of a metal 'A' with metal 'B' of its solution, in which metal 'A' displaces metal 'B'?

- A. 'a' आणि 'b' हे दोन्हीमध्ये समान अभिक्रियाशीलता आहे.
- B. 'b' पेक्षा 'a' हा अधिक अभिक्रियाशील आहे. ✓
- C. 'a' पेक्षा 'b' हा अधिक अभिक्रियाशील आहे.
- D. यामध्ये अभिक्रिया अजिबात होऊ शकत नाही.

Q34 General Science

Which of the following is NOT a factor responsible for grain storage losses?

- A. अपुरी आर्द्रता आणि तापमान
- B. बुरशी आणि जीवाणू
- C. उंदीर
- D. उच्च दर्जाचे पॅकेजिंग ✓

Q35 General Science

Which of the following methods is commonly used to extract metals low in the activity series, such as mercury and copper, from their ores?

- A. electrolysis of molten ore
- B. reduction with aluminium powder
- C. displacement by carbon monoxide gas
- D. roasting ✓

Q36 General Science

An object with a mass of 15 kg is placed 8 m above the ground. How much potential energy does the object have? (Using $g = 9.8 \text{ m/s}^2$)

- A. 1176 j ✓
- B. 980 j
- C. 1500 j
- D. 784 j

Q37 General Science

Which condition is required for methane to undergo a substitution reaction with chlorine?

- A. उष्णता
- B. सूर्यप्रकाश ✓
- C. विद्युतधारा
- D. आम्लीय माध्यम

Q38 General Science

Which of the following statements best explains the functional advantage of the pollen tube formation in the process of fertilisation in flowering plants?

- A. हे परागकणाला त्याची साठवलेली पोषकद्रव्ये सोडण्यास मदत करते जेणेकरून अंडाशय बियाण्यात विकसित होऊ शकेल.
- B. हे परागकणाला स्व-परागण कार्यक्षमतेने होण्यासाठी कुक्षीला घट्टपणे जोडू देते
- C. हे अंडाशयाला संमिश्रण होण्यासाठी परागकणाकडे अंडी पेशी सोडण्यास सक्षम करते
- D. हे पुं-युग्मकचे अंडाशयात थेट वहन सुनिश्चित करते, त्यामुळे परागकणांचा अपव्यय रोखता येतो ✓

Q39 General Science

How much energy will be available to the tertiary consumer if a food chain begins with 5000 J of energy at the producer level?

- A. 50 j
- B. 5 j ✓
- C. 500 j
- D. 0.5 j

Q40 General Science

Which of the following is the best example of uniform circular motion?

- A. पृथ्वीभोवती वर्तुळाकार कक्षेत फिरणारा चंद्र ✓
- B. लूपवरील एक रोलर कोस्टर
- C. वक्र रुळावरील शर्यतीतील गाडीची गती मंदावते
- D. बदलत्या वेगाने उभ्या वर्तुळात फिरवला जाणारा यो-यो



Q41 Mathematics

A tap fills a tank in 11 hours. Another tap empties the full tank in 22 hours. How long (in hours) will it take to fill the tank completely, if the tank is empty and both the taps are open together?

A. 25

B. 23

C. 24

D. 22

**Q42 Mathematics**

What is the amount on ₹20,000 for six months at 12% annual interest, compounded quarterly?

A. ₹21218



B. ₹21335

C. ₹21823

D. ₹21934

Q43 Mathematics

A quantity is first decreased by 12% and then again decreased by 8%. What is the overall percentage decrease?

A. 18.96%

B. 20.96%

C. 19.04%



D. 21.04%

Q44 Mathematics

A man sells two articles for ₹42000 each. He gets a profit of 45% on one article and loses 45% on the other article. What is his overall profit or loss (to the nearest integer) in this transaction?

A. ₹21329 तोटा



B. ₹21329 नफा

C. ₹21429 तोटा

D. ₹21429 नफा

Q45 Mathematics

A traveller moves from City A to City B at 48 km/h and returns at 60 km/h. If the total time taken for the whole journey is 9 hours, find the distance between A and B.

A. 260 km

B. 270 km

C. 250 km

D. 240 km

**Q46 Mathematics**

If 15 notebooks cost ₹240, then how many notebooks can be bought with ₹992?

A. 62



B. 66

C. 64

D. 60

Q47 Mathematics

In a college, class A has 25 students and class B has 30 students. If the number of students in class A increases by 20% in the first year and by 10% in the second year, and the number of students in class B increases by a total of 20% in two years, what is the overall percentage increase in the total number of students in the college over the two years? (Give your answer rounded off to 2 decimal places.)

A. 25.85%

B. 20.45%

C. 25.45%



D. 20.85%

Q48 Mathematics

What sum of money (in ₹) will yield ₹720 as simple interest in 3 years at 6% per annum?

A. 3500

B. 4200

C. 4400

D. 4,000



Q49 Mathematics

The value of $27^3 - 22^3$ is:

A. 9035



B. 8923

C. 8823

D. 8888

Q50 Mathematics

Which number, when added to each of the numbers 2, 3, 11 and 13, will make the resulting numbers in proportion?

A. 5

B. 6

C. 7



D. 4

Q51 Mathematics

The mean of a data is 20 and its median is 30. The mode (using empirical relation) of the data is:

A. 110

B. 44

C. 131

D. 50

**Q52 Mathematics**

A dealer buys two articles X and Y for ₹700 each. He marks each of them at the same price. He sells X by giving two successive discounts of 60% and 20% and still earns ₹630 as profit. If he sells Y at a single discount of 76%, then what is the profit percentage on Y?

A. 42.5%



B. 41%

C. 41.5%

D. 42%

Q53 Mathematics

Pipe A can fill a tank in 12 hours, pipe B in 15 hours, and an outlet C can empty it in 20 hours. A and B are opened together for 5 hours, and then C is also opened. Find the total time to fill the tank.

A. 7.5 तास



B. 6 तास

C. 6.5 तास

D. 5.5 तास

Q54 Mathematics

If the cost of 8 pens is ₹136, then find the cost of 12 such pens.

A. ₹202

B. ₹206

C. ₹204



D. ₹208

Q55 Mathematics

The difference between the present ages of Ayushi and Nidhi is 26 years. Five years ago from now, the sum of their ages was 30 years. If Ayushi is older than Nidhi, find Nidhi's present age (in years).

A. 6

B. 12

C. 7



D. 10

Q56 Mathematics

What is the mode of the following data?

47, 43, 50, 46, 46, 40, 54, 54, 40, 54, 42, 48, 44, 55, 52, 45, 41, 41

A. 54



B. 40

C. 41

D. 46



Q57 Mathematics

The difference between the present ages of Juhi and Surbhi is 24 years. Five years ago from now, the sum of their ages was 66 years. If Juhi is older than Surbhi, find Surbhi's present age (in years).

A. 18

B. 33

C. 20

D. 26

**Q58 Mathematics**

If an exterior angle of a regular polygon is 40° , then find the number of diagonals of the polygon.

A. 35

B. 27



C. 40

D. 45

Q59 Mathematics

Aarju starts a business with ₹55,000 and after 3 months, Bimla joins Aarju as her partner. After a year, the profit is divided in the ratio 8 : 9. What is Bimla's contribution in the capital?

A. ₹84,240

B. ₹82,355

C. ₹84,080

D. ₹82,500

**Q60 Mathematics**

If $x = 5 + 2\sqrt{6}$, then find the value of $\frac{x-1}{\sqrt{x}}$.

A. $2\sqrt{2}$ B. $3\sqrt{2}$ C. $\sqrt{3} + \sqrt{2}$ D. $\sqrt{2}$ **Q61 Mathematics**

Simplify:

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

A. $\frac{7}{6}$ B. $\frac{5}{6}$ C. $\frac{1}{6}$ D. $\frac{3}{6}$ 

Q62 Mathematics

The simplified value of $\sqrt{225} + \sqrt{0.04} - \sqrt{4.84}$ is

- A. 13.53
- B. 3.82
- C. 4.03
- D. 13



Q63 Mathematics

A hollow cylindrical pipe has an external radius of 7 cm, internal radius of 6 cm, and height of 20 cm. Find the total surface area of the pipe (both ends included).

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

- A. 1600 cm²
- B. 1485 cm²
- C. 1716 cm²
- D. 1670 cm²



Q64 Mathematics

Find the perimeter of the semi-circle of radius 21 cm

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

- A. 66 cm
- B. 174 cm
- C. 87 cm
- D. 108 cm



Q65 Mathematics

$$\frac{17}{3} \frac{29}{3} \frac{19}{3} \frac{11}{3}$$

- A. $\frac{17}{3}$
- B. $\frac{29}{3}$
- C. $\frac{19}{3}$
- D. $\frac{11}{3}$



Q66 General Intelligence & Reasoning

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

6, 7, 11, 20, 36, 61, ?

A. 105

B. 95

C. 110

D. 97

**Q67** General Intelligence & Reasoning

Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. B is kept third from the top. Only three boxes are kept between D and B. C is kept immediately below G but above F. A is kept below E but above B. How many boxes are kept between C and A?

A. तीन

B. एक

C. चार

D. दोन

**Q68** General Intelligence & Reasoning

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

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

A. mol

B. npm

C. khg



D. gif

Q69 General Intelligence & Reasoning

In a certain code language, 'TYRE' is coded as '8526' and 'BYTE' is coded as '5986'. What is the code for 'B' in that language?

A. 6

B. 9



C. 2

D. 8

Q70 General Intelligence & Reasoning

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

A. i



B. s

C. f

D. e

Q71 General Intelligence & Reasoning

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

A. g

B. d

C. e

D. c



Q72 General Intelligence & Reasoning

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

A. b



B. m

C. o

D. c

Q73 General Intelligence & Reasoning

A, B, C, D, E, F and G are sitting around a circular table facing the centre. Only two people are seated between E and F when counted from the right of E. Only two people are seated between F and D when counted from the left of D. Only three people are seated between E and B when counted from the left of B. C is seated to the immediate left of G. How many people are seated between A and F when counted from the right of F?

A. 2

B. 4

C. 3

D. 1

**Q74 General Intelligence & Reasoning**

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

KNG : MLF

GRN : IPM

A. igh : kdg

B. khr : mfp

C. bgm : dek

D. jsn : lqm

**Q75 General Intelligence & Reasoning**

In a certain code language,

P + Q means 'P is the father of Q'

P – Q means 'P is the wife of Q'

P x Q means 'P is the brother of Q'

P ÷ Q means 'P is the son of Q'

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

A. मुलाचा मुलगा



B. आईचे वडील

C. आईचा भाऊ

D. वडिलांचा भाऊ

Q76 General Intelligence & Reasoning

E, R, U, T, Y, W and Q are sitting around a circular table, facing the centre of the table.

Only two people sit between T and Q when counted from the right of Q. Only three people sit between W and U when counted from the right of U. E sits to the immediate right of W. Y is an immediate neighbour of U as well as Q.

How many people sit between R and U when counted from the left of R?

A. 4

B. 3



C. 2

D. 1

Q77 General Intelligence & Reasoning

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

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

A. fi–jm

B. sv–wz

C. dg–hk

D. ux–xd



Q78 General Intelligence & Reasoning

EHLF is related to NQUO in a certain way based on the English alphabetical order. In the same way, HKOI is related to QTXR. To which of the following is JMQK related, following the same logic?

A. svtz

B. vstz

C. svzt



D. vszt

Q79 General Intelligence & Reasoning

In a certain code language, 'DUKE' is coded as '8123' and 'DESK' is coded as '2314'. What is the code for 'S' in that language?

A. 1

B. 8

C. 2

D. 4

**Q80 General Intelligence & Reasoning**

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

147 A 3 C 51 D 16 B 3 = ?

A. 59

B. 50

C. 54

D. 52

**Q81 General Intelligence & Reasoning**

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

Based on the above, how is S related to N if 'S $\div$ E + W $\times$ T - N'?

A. पत्नीचे वडील

B. भावाचे वडील

C. भावाच्या पत्नीचे वडील



D. भावाच्या पत्नीचा भाऊ

Q82 General Intelligence & Reasoning

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

47 54 63 70 79 ?

A. 88

B. 83

C. 86



D. 84

Q83 General Intelligence & Reasoning

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

(Left) D J L O E A H O A F A G E B G A N R S H X (Right)

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

A. तीन

B. एकही नाही

C. दोन



D. एक

Q84 General Intelligence & Reasoning

G is the mother of Y. Y is the sister of V. S is the father of L. L is the husband of V. How is G related to L?

A. पत्नीची बहीण

B. आई

C. पत्नीची आई



D. बहिण



Q85 General Intelligence & Reasoning

Anu starts from Point A and drives 3 km towards the north. He then takes a right turn, drives 2 km, turns right and drives 5 km. He then takes a right turn and drives 4 km. He takes a final right turn, drives 2 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. उत्तरेकडे 8 km

B. पूर्वकडे 6 km

C. पूर्वकडे 2 km



D. पश्चिमेकडे 4 km

Q86 General Intelligence & Reasoning

Refer to the following series and answer the question. (All numbers are single-digit numbers only. Counting to be done from left to right.)
(Left) 7 9 2 6 1 2 6 4 8 2 7 5 9 8 6 5 4 2 2 1 3 (Right)
How many such even digits are there, each of the which is immediately preceded by a perfect square and immediately followed by an even digit? (NOTE: 1 is also a perfect square)

A. दोन

B. चार

C. पाच



D. तीन

Q87 General Intelligence & Reasoning

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

A. di - af

B. xb - uy

C. qr - mp



D. ko - hl

Q88 General Intelligence & Reasoning

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

$$48 - 96 \times 12 \div 4 + 32 = ?$$

A. 43

B. 46

C. 48



D. 42

Q89 General Intelligence & Reasoning

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

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

A. ku - mt



B. ov - qx

C. ho - jq

D. dk - fm

Q90 General Intelligence & Reasoning

VRHM is related to XTJO in a certain way based on the English alphabetical order. In the same way, DZPU is related to FBRW. To which of the given options is JVFA related, following the same logic?

A. lkio

B. lcfd

C. lxhc



D. lxcd



Q91 General Awareness

Which distinguishing feature primarily differentiates a biosphere reserve from a national park in India, as per conservation and management objectives?

- A. जैवमंडल राखीव क्षेत्रे (br) वन्य प्राण्यांच्या संरक्षणावर प्रामुख्याने लक्ष केंद्रित करतात.
- B. जैवमंडल राखीव क्षेत्र (br) राष्ट्रीय उद्यानांपेक्षा लहान भौगोलिक क्षेत्र व्यापते.
- C. जैवमंडल राखीव क्षेत्रांचा (br) उद्देश जैविक विविधतेचे संवर्धन करणे हा नाही.
- D. जैवमंडल राखीव क्षेत्र (br) ही संशोधन, पर्यटन आणि स्थानिक उपजीविकेसाठी नेमलेल्या बफर आणि संक्रमण क्षेत्रांत असतात ✓

Q92 General Awareness

What is the main purpose of the vehicle-mounted Laser DEW MK-II(A) tested by DRDO in April 2025?

- A. ड्रोन तटस्थीकरण ✓
- B. बॅलिस्टिक-विरोधी क्षेपणास्त्र संरक्षण
- C. अंतराळ दळणवळण
- D. उपग्रहाचे प्रक्षेपण

Q93 General Awareness

Which private Indian company has recently achieved a significant milestone by becoming the first to receive approval for offering satellite-based internet services in India?

- A. रिलायन्स जिओ
- B. स्पेसX
- C. अनंत टेक्नोलॉजिस्ट ✓
- D. टाटा कम्युनिकेशन्स

Q94 General Awareness

The provision of 'Single citizenship' for all in the Indian Constitution is adopted from the constitution of which of the following countries?

- A. ब्रिटिश संविधान ✓
- B. ऑस्ट्रेलियाचे संविधान
- C. कॅनडाचे संविधान
- D. USचे (अमेरिका) संविधान

Q95 General Awareness

Keshab Chandra Sen was a prominent leader of which of the following reform movements in India?

- A. ब्राह्मो समाज ✓
- B. रामकृष्ण मिशन
- C. आर्य समाज
- D. प्रार्थना समाज

Q96 General Awareness

Which of the following articles of the Constitution of India provides for the mechanism and power of Parliament to amend the Constitution?

- A. अनुच्छेद 362
- B. अनुच्छेद 356
- C. अनुच्छेद 372
- D. अनुच्छेद 368 ✓

Q97 General Awareness

Which major operation did the Indian government launch in May 2025 following the terrorist attack in Pahalgam?

- A. ऑपरेशन शक्ती
- B. ऑपरेशन सिंदूर ✓
- C. ऑपरेशन विजय
- D. ऑपरेशन ट्रायडेंट

Q98 General Awareness

The Supreme Court dismissed which state's plea to halt Karnataka's Mekedatu project in November 2025?

- A. आंध्र प्रदेश
- B. तामिळनाडू ✓
- C. महाराष्ट्र
- D. गोवा



Q99 General Awareness

The Second Five-Year Plan (1956–61) was strategically designed to accelerate India's long-term growth by prioritizing which of the following sectors?

A. अवजड उद्योग



B. अक्षय ऊर्जा विस्तार

C. ग्राम स्तरावरील कारागिरांचा विकास

D. सार्वजनिक आरोग्य पायाभूत सुविधा

Q100 General Awareness

Match the following.

Person Musical Instrument

- a. Amir Ali Khan i. Sitar
b. Anoushaka Shankar ii. Ghatam
c. T.H. Vinayakram iii. Sarod
d. Bismillah Khan iv. Shehnai

A. a-ii; b-iv; c-i; d-iii

B. a-iii; b-i; c-ii; d-iv



C. a-ii; b-iii; c-i; d-iv

D. a-iv; b-ii; c-iii; d-i



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