



RRB JE 2025 CBT-1

Junior Engineer, DMS, CMA · CEN 05/2025 · CBT-1 · Question Paper

Kannada

All 7 Shifts (Sets) · Official Answer Key

About this Compilation

This booklet contains all **7 shift papers** of the **RRB JE 2025 CBT-1** examination in **Kannada**, with the correct option marked as per the official answer key.

✓ Correct option (highlighted green)

Sections. The JE CBT-1 paper is not divided into sections and the saved paper carries no section labels. In this book the questions of every shift are grouped by subject (Mathematics, General Intelligence and Reasoning, General Awareness, General Science), assigned from our topic tags, so the section counts may differ slightly from the notified pattern.

4 questions without question text. The saved paper record has no question text or figure for them; they are printed with their options and official answer and marked in the text.

531 of these 700 questions are shown in English. RRB did not release them in Kannada to any candidate whose response sheet we could reach, so the official English version is printed instead and marked with an **ENGLISH** chip. Nothing here is machine translated.

How to use

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

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Index — All Sets (click to open)

Set 1

19 Feb 2026
9:00 AM - 10:30 AM

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Set 3

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Set 4

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Set 7

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Mathematics

32 Questions • Answer Key

Q1 Mathematics ENGLISH

Let C be a circle with center O. Let AB be a tangent to C, such that AB touches the circle at P. Let X and Y be any two points on C. If $\angle APX = 60^\circ$ and $\angle BPY = 30^\circ$, find $\angle PYX$ and $\angle PXY$, respectively.

A. $60^\circ, 30^\circ$ B. $30^\circ, 60^\circ$ C. $90^\circ, 30^\circ$ D. $90^\circ, 60^\circ$

Q2 Mathematics ENGLISH

X people were given a contract for doing a piece of work in 32 days. 8 people did not turn up to work due to sickness, and the rest of the people completed the work in 40 days. What is the value of X?

A. 42

B. 40



C. 38

D. 44

Q3 Mathematics ENGLISH

Rashmi and Varsha together have ₹22576. If $\frac{5}{16}$ of Rashmi's amount is equal to $\frac{3}{7}$ of Varsha's amount, how much money does Rashmi have?

A. ₹13052

B. ₹13054

C. ₹13050

D. ₹13056



Q4 Mathematics ENGLISH

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

23 34 45 56 67 ?

A. 75

B. 76

C. 78



D. 77

Q5 Mathematics ENGLISH

The base and the corresponding height of a parallelogram are 93 cm and 29 cm, respectively. The area of the parallelogram (in cm^2) is:

A. 2697



B. 2696

C. 2701

D. 2714

Q6 Mathematics ENGLISH

The LCM of $2^3 \times 6^2 \times 11$, $2^2 \times 11^2 \times 17$ and $6^3 \times 11^2 \times 17^2$ is:

A. $25 \times 33 \times 112 \times 172$ B. $24 \times 34 \times 112 \times 172$ C. $24 \times 33 \times 112 \times 172$ D. $25 \times 34 \times 112 \times 172$

Q7 Mathematics ENGLISH

What is the remainder when 3^{939} is divided by 8?

A. 3



B. 5

C. 0

D. 2

Q8 Mathematics ENGLISH

Girish scored 459 marks in an examination and was 81 marks short of 20% of the maximum marks. In the same examination, his friend scored 756 marks. What is the percentage of marks scored by his friend?

A. 27%

B. 28%



C. 29%

D. 30%



Q9 Mathematics ENGLISH

The difference between simple interest and compound interest, compounded annually, on a certain sum of money for 2 years at 11% per annum is ₹371. Find the sum. [Give your answer rounded off to the nearest integer.]

A. ₹30,672

B. ₹30,661 ☒

C. ₹30,669

D. ₹30,679

Q10 Mathematics ENGLISH

A shopkeeper marks an article at ₹ x and offers a discount of 50% on it. He sells it for ₹287 after charging VAT of 64% on the discounted price. What is the value of x ?

A. 300

B. 250

C. 350 ☒

D. 200

Q11 Mathematics ENGLISH

The average of the first 18 positive multiples of 10 is:

A. 18

B. 10

C. 95 ☒

D. 90

Q12 Mathematics ENGLISH

Ajay can row at 4.5 km/h in still water. It takes him twice the time to row up as it takes for him to row down the same distance. Find the speed of the stream (in km/h).

A. 0.5

B. 2

C. 3

D. 1.5 ☒**Q13 Mathematics** ENGLISH

From the top of a cliff the angle of depression of a point on the ground 240 feet away from the bottom of the cliff is 30° . Find the height of the cliff (in feet, rounded off to the nearest integer).

(Use $\sqrt{3} = 1.732$)

A. 146

B. 124

C. 130

D. 139 ☒**Q14 Mathematics** ENGLISH

100 apples were bought at ₹1,240 per hundred and were sold at a profit of ₹935. Find the selling price (in ₹) per dozen of apples.

A. 256

B. 271

C. 261 ☒

D. 266

Q15 Mathematics ENGLISH

If 25 people, working for 10 hours a day, can complete 2 units of work in 5 days, then how many days will be required for 15 people to complete 18 units of work, if each person works for 10 hours a day?

A. 70

B. 75 ☒

C. 60

D. 85

Q16 Mathematics ENGLISH

In a factory, the average daily wage of 12 skilled workers and 18 unskilled workers is ₹604. If the average wage of the skilled workers is ₹754, then find the average wage of the unskilled workers.

A. ₹524

B. ₹514

C. ₹504 ☒

D. ₹534



Q17 Mathematics ENGLISH

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

7 10 16 25 37 ?

A. 52



B. 50

C. 51

D. 53

Q18 Mathematics ENGLISH

Simplify the following.

$$112 \div [16 \div 8 \times \{18 + 12 - (3 + 10 - (4 + 7))\}]$$

A. 4

B. 3

C. 11

D. 2

**Q21 Mathematics ENGLISH**

If the mode and median of a certain data are 24 and 18, respectively, then the mean of the data is:

A. 15



B. 20

C. 22

D. 24

Q22 Mathematics ENGLISH

A toy manufacturer originally makes a conical toy with a base radius of 3 cm and a height of 7 cm. Due to customer demand, he now wants to produce a similar toy that has 75% of the original volume, while keeping the same base radius as before. What should be the height of the new toy? (Take $\pi = \frac{22}{7}$)

A. 5.25 cm



B. 5.5 cm

C. 5.75 cm

D. 5.125 cm

Q19 Mathematics ENGLISH

Mahesh has borrowed an amount of ₹4,40,000 from a bank to start a business. How much simple interest (in ₹) will he pay at a rate of 6% per annum after 4 years?

A. 1,03,600

B. 1,05,600



C. 1,04,600

D. 1,06,600

Q20 Mathematics ENGLISH

Ajay spends 80% of his income. His income is increased by 30%, and his expenditure is increased by 10%. Find the percentage increase in his savings.

A. 90%

B. 100%

C. 110%



D. 105%



Q23 Mathematics **ENGLISH**

[Question text / figure not saved in the source paper record. Options and official answer as released.]

A. $\frac{31}{40}$

B. $\frac{41}{40}$ ✓

C. $\frac{37}{40}$

D. $\frac{47}{40}$

Q24 Mathematics **ENGLISH**

If $x = \sqrt[3]{512}$, $y = \sqrt[6]{64}$ and $z = 6^3 - 2 \times 10^2$, then $\sqrt[3]{10(x^2 + y^3 + z + 12)}$ is equal to:

A. 20

B. 30

C. 40

D. 10 ✓

Q25 Mathematics **ENGLISH**

The selling price of 45 books is equal to the cost price of 18 books. Find the loss or gain percentage.

A. $\frac{100}{27}\%$ gain

B. $\frac{100}{27}\%$ loss

C. 60 % gain

D. 60 % loss ✓

Q26 Mathematics **ENGLISH**

A sum of money is divided among X, Y and Z in the ratio 4:3:6. If the share of Z is ₹3300 more than Y, then how much amount will X get more than Y?

A. ₹1000

B. ₹1300

C. ₹1100 ✓

D. ₹1200



Q27 Mathematics ENGLISH

Find the median from the following data.

Age in years	15-25	25-35	35-45	45-55	55-65	65-75	75-85
No. of patients	10	17	22	26	30	24	21

A. 70 years

B. 55 years



C. 47 years

D. 65 years

Q28 Mathematics ENGLISH

The quadratic equation whose roots are $\frac{1}{\sqrt{2}}$ and $\frac{1}{\sqrt{2}}$ is:

A. $2x^2 - (4\sqrt{2})x - 1 = 0$

B. $3x^2 - (2\sqrt{2})x - 1 = 0$

C. $2x^2 + (2\sqrt{5})x + 1 = 0$

D. $2x^2 - (2\sqrt{2})x + 1 = 0$



Q29 Mathematics ENGLISH

While covering a distance of 36 km, a man noticed that after cycling for 2 hour 5 minutes, the distance covered by him was $\frac{6}{7}$ of the remaining distance. What was his approximate speed in km/h?

A. 8.7

B. 8



C. 6.7

D. 7.4

Q30 Mathematics ENGLISH

Consider a quadratic equation $3x^2 + 4x - 8 = 0$. Which of the following quadratic equations will have both roots common with the given quadratic equation?

A. $-1.5x^2 - 2x + 4 = 0$



B. $3x^2 + 4x + 8 = 0$

C. $3x^2 - 4x + 8 = 0$

D. $-1.5x^2 + 2x + 4 = 0$



Q31 Mathematics **ENGLISH**

Solve the following linear equations.

$$2x + 3y - 5z = 4,$$

$$x + 3y - 2z = 12,$$

$$2x + y - 3z = 5$$

A. $x = \frac{43}{8}, y = \frac{-65}{8}, z = \frac{-39}{8}$

B. $x = \frac{43}{8}, y = \frac{65}{8}, z = \frac{39}{8}$

C. $x = \frac{-43}{8}, y = \frac{-65}{8}, z = \frac{39}{8}$

D. $x = \frac{65}{8}, y = \frac{39}{8}, z = \frac{43}{8}$ ✓

Q32 Mathematics **ENGLISH**

Find the value of $\frac{x+3}{x^2-2x} \times \frac{2x-1}{x^2+2x+4} \times \frac{x^4-8x}{2x^2+5x-3}$.

A. 2

B. -1

C. 1 ✓

D. 0

General Intelligence and Reasoning

23 Questions • Answer Key

Q33 General Intelligence and Reasoning **ENGLISH**

In a certain code,

'tall boy smart' is coded as 'we ki no'

'short boy lazy' is coded as 'pa ki ru'

'tall girl lazy' is coded as 'we sa ru'

(all the codes are two letter coded only)

What is the code for "tall boy"?

A. pa ru

B. we sa

C. sa ki

D. we ki ✓

Q34 General Intelligence and Reasoning **ENGLISH**

Each of P, Q, R, S, T, U and V has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week.

Only five people have exams between T and R. S has exam on Wednesday. V has exam immediately after P but not on Saturday. Q has exam immediately before T. How many people have exams between U and V?

A. Two ✓

B. Four

C. Three

D. One



Q35 General Intelligence and Reasoning **ENGLISH**

Hitesh starts from Point A and drives 10 km towards east. He then takes a left turn, drives 5 km, turns left and drives 11 km. He then takes a left turn and drives 6 km. He takes a final left turn, drives 1 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

- A. 2 km to the south
- B. 1 km to the south
- C. 2 km to the north
- D. 1 km to the north** ✓

Q36 General Intelligence and Reasoning **ENGLISH**

In a certain code language,

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

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

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

A ÷ B means 'A is the brother of B'

Based on the above, how is C related to G if 'C x S + D - F ÷ G'?

- A. Father's sister's daughter
- B. Mother's sister's daughter
- C. Sister's son's wife** ✓
- D. Mother's sister's son

Q37 General Intelligence and Reasoning **ENGLISH**

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

(Left) K & Z # % X N E A A Y C + H \ Y = C \$ M H (Right)

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

- A. One
- B. Two** ✓
- C. Zero
- D. Three

Q38 General Intelligence and Reasoning **ENGLISH**

21 is related to 274 following a certain logic. Following the same logic, 26 is related to 339. To which of the following is 34 related, following the same logic? (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 - Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- A. 445
- B. 443** ✓
- C. 447
- D. 452

Q39 General Intelligence and Reasoning **ENGLISH**

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

NF - RJ - VN

MB - QF - UJ

- A. RM - UT - PR
- B. HK - LN - FL
- C. TW - YZ - SY
- D. OG - SK - WO** ✓

Q40 General Intelligence and Reasoning **ENGLISH**

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

3-24×6÷21+7=?

- A. 36
- B. 26** ✓
- C. 31
- D. 28



Q41 General Intelligence and Reasoning **ENGLISH**

In a certain code language,

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

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

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

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

A # B means 'A is the daughter of B'.

How is F related to M if 'F # H x J % E % M'?

A. Father's sister ✓

B. Brother's son

C. Father's mother

D. Son's daughter

Q42 General Intelligence and Reasoning **ENGLISH**

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

Five people, A, B, C, D and E, are sitting in a straight line facing north. Who sits to the immediate left of C?

I. B sits second from one of the extreme ends of the line. Only one person sits between B and C. D sits third to the right of C.

II. D sits to the immediate right of B. Only three people sit between D and A. E sits to the immediate right of C.

A. Data in both statements I and II together is NOT sufficient to answer the question

B. Data in both statements I and II together (and not statement I alone or statement II alone) is sufficient to answer the question

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

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

Q43 General Intelligence and Reasoning **ENGLISH**

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

(Left) V E @ M O S % & V I % X \$ T P N \$ V # C & B J
(Right)

If all the letters are dropped from the series, which of the following will be fifth from the left?

A. #

B. %

C. \$ ✓

D. @

Q44 General Intelligence and Reasoning **ENGLISH**

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

Statements:

All papers are bags.

All bags are copies.

Some copies are erasers.

Conclusions:

(I): All papers are erasers.

(II): All bags are erasers.

A. Only conclusion (II) follows.

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

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

D. Only conclusion (I) follows.

Q45 General Intelligence and Reasoning **ENGLISH**

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

RLO QKN PJM OIL ?

A. NGK

B. NHK ✓

C. NHL

D. NGL



Q46 General Intelligence and Reasoning **ENGLISH**

In a certain code,
'heavy metal music' is coded as 'mx zb kg'
'heavy storm warning' is coded as 'kw vg mx'
'crazy metal storm' is coded as 'zb rq vg'
(all the codes are two letter coded only)
What is the code for 'warning music'?

A. kg rq

B. zb vg

C. kw kg



D. mx rq

Q47 General Intelligence and Reasoning **ENGLISH**

Select the set in which the numbers are related in the same way as are the numbers of the following sets.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(11, 13, 17)

(8, 7, 11)

A. (9, 9, 5)

B. (6, 21, 25)

C. (13, 17, 13)

D. (10, 11, 15)

**Q48** General Intelligence and Reasoning **ENGLISH**

Each of G, H, I, J, P, Q and R has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week. Only two people have exam before Q. Only one person has exam after P. Only three people have exam between Q and J. Only one person has exam between I and H. G has exam immediately before I. How many people have exam between R and I?

A. Two



B. One

C. None

D. Three

Q49 General Intelligence and Reasoning **ENGLISH**

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

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

A. VWT

B. PQN

C. YZW

D. KMI

**Q50** General Intelligence and Reasoning **ENGLISH**

D, R, A, W and S have different marks. Only one person has scored between W and S. Only one person has scored between S and D. A has scored less than W and S.

How many people have scored less than R?

A. Two

B. Four

C. Three



D. One

Q51 General Intelligence and Reasoning **ENGLISH**

Seven people, F, J, M, L, R, V and X, are sitting in a row, facing north.

No one sits to the right of J. Only three people sit between J and R. Only two people sit between R and M. V sits third to the left of L. X sits to the immediate right of L.

How many people sit to the left of X?

A. 1

B. 4



C. 3

D. 2



Q52 General Intelligence and Reasoning **ENGLISH**

LKLJ is related to GFGE in a certain way based on the English alphabetical order. In the same way, NMNL is related to IHIG. To which of the following is QPQO related, following the same logic?

A. LLKQ

B. LKKJ

C. LKLJ



D. LJKJ

Q53 General Intelligence and Reasoning **ENGLISH**

81 is related to 260 following a certain logic. Following the same logic, 108 is related to 287. To which of the following is 156 related, following the same logic? (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

A. 340

B. 332

C. 334

D. 335



Q54 General Intelligence and Reasoning **ENGLISH**

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

(Left) U P X @ F H R A A # / E M # U L J \ L \ \ (Right)

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

A. None

B. Two

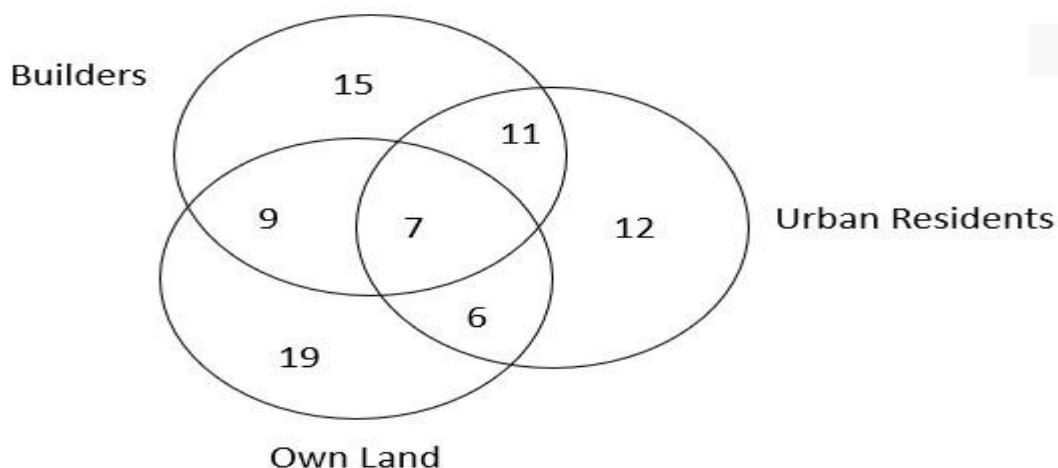
C. Three

D. One



Q55 General Intelligence and Reasoning **ENGLISH**

Study the given diagram carefully and answer the question that follows. The numbers in different sections indicate the number of persons. (NOTE: You have to take the given data to be true even if they seem to be at variance from commonly known facts.)



How many builders are urban residents and own land?

A. 7



B. 6

C. 9

D. 11

General Awareness

15 Questions • Answer Key

Q56 General Awareness **ENGLISH**

Which of the following coastal features in India is believed to have submerged due to tectonic or sea-level changes, as referenced in Indian mythology and archaeology?

A. Sunderbans in West Bengal

B. Rameshwaram near Tamil Nadu

C. Dwaraka near Gujarat



D. Kavaratti in Lakshadweep

Q57 General Awareness **ENGLISH**

What was the primary theme of the International Symposium on Health Technology Assessment (ISHTA) 2025?

A. Enhancing global health security efforts

B. Showcasing medical device technologies

C. Promoting digital health innovations

D. Bridging evidence to policy for healthcare



Q58 General Awareness **ENGLISH**

How did Mahatma Gandhi's views on untouchability shape the priorities of the Indian National Congress during the Gandhian phase?

A. Making abolition of untouchability a central objective



B. Endorsing separate political electorates for communities

C. Concentrating on political integration of princely states

D. Shifting primary focus toward agrarian economic reforms

Q59 General Awareness **ENGLISH**

The term 'Ragam-Tanam-Pallavi' is associated with which style of Indian music?

A. Carnatic Music



B. Hindustani Music

C. Sufi Music

D. Folk Music



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Q60 General Awareness **ENGLISH**

Which two districts of Uttarakhand share the inter-state border with Himachal Pradesh in the north-west?

- A. Pauri and Rudraprayag
- B. Champawat and Bageshwar
- C. Uttarkashi and Dehradun ✓
- D. Chamoli and Pithoragarh

Q61 General Awareness **ENGLISH**

In which year was the first national Census of India carried out during British India?

- A. 1901
- B. 1891
- C. 1851
- D. 1871 ✓

Q62 General Awareness **ENGLISH**

The 44th Amendment Act of 1978 restored the standard term of the Lok Sabha and State Legislature to how many years?

- A. three
- B. five ✓
- C. six
- D. seven

Q63 General Awareness **ENGLISH**

Which Indian filmmaker was inducted as a registered member of the European Film Academy in 2025?

- A. Pan Nalin ✓
- B. Kiran Rao
- C. Neeraj Ghaywan
- D. Sriram Raghavan

Q64 General Awareness **ENGLISH**

Who was appointed as the Chairman of the Union Public Service Commission by President Droupadi Murmu in May 2025?

- A. Dr. Anil Kumar
- B. Dr. Ajay Kumar ✓
- C. Dr. Ajit Kumar
- D. Dr. Alok Kumar

Q65 General Awareness **ENGLISH**

Which statement is correct regarding the definition of biodegradable substances?

- A. Substances that are broken by chemical process
- B. Substances that are broken by mechanical process
- C. Substances that are broken by biological process ✓
- D. Substances that are broken by physical process

Q66 General Awareness **ENGLISH**

Who is the author of the book 'Leo: The Untold Story of Chennai Super Kings', which was launched in March 2025?

- A. Aniruddha Srikanth
- B. K. Chandrashekhara
- C. Ravichandran Ashwin
- D. P.S. Raman ✓

Q67 General Awareness **ENGLISH**

Which of the following is NOT a feature of the Comprehensive Environmental Pollution Index?

- A. It can applied to locations other than industrial clusters.
- B. It was first introduced in 1983. ✓
- C. All the polluting sources identified in the area shall be notified and brought into the public domain.
- D. It shall be an early warning tool.



Q68 General Awareness **ENGLISH**

In the 2024 Global Hunger Index released on October 2024, India is ranked 105th out of the how many countries?

A. 210

B. 90

C. 195

D. 127

**Q69** General Awareness **ENGLISH**

What is the constitutional consequence if the Lok Sabha passes a no-confidence motion against the ruling government?

A. The Speaker of Lok Sabha is removed by the President

B. The Council of Ministers is obligated to step down



C. Only the Prime Minister must submit resignation

D. The government may continue without any change

Q70 General Awareness **ENGLISH**

Which of the following is NOT true regarding the Poona Pact of 1932?

A. Ambedkar refused to sign the pact.



B. It dropped the idea of separate electorates for depressed classes.

C. Seats reserved for depressed classes increased in the legislatures.

D. It was accepted by the government.

General Science

30 Questions • Answer Key

Q71 General Science **ENGLISH**

A cricket ball of mass 0.15 kg is thrown horizontally at 30 m/s from the top of a building. What is the ball's kinetic energy as it leaves the hand?

A. 90 J

B. 67.5 J



C. 45.5 J

D. 135 J

Q72 General Science **ENGLISH**

Why are bulbs filled with nitrogen and argon gases instead of air?

A. To reduce electricity consumption

B. To increase brightness

C. To make the bulb heavier

D. To prolong the life of the filament

**Q73** General Science **ENGLISH**

Sodium hydroxide (NaOH) contains _____ as its anion.

A. Na⁺

B. NO₃⁻

C. H⁺

D. OH⁻

**Q74** General Science **ENGLISH**

If a convex mirror forms a point-sized image at its focus, where is the object located?

A. Between P and F

B. At infinity



C. Between F and the pole

D. At the pole



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Q75 General Science **ENGLISH**

How does the magnetic field strength at the center of a circular loop change if the current through the loop is doubled?

- A. It becomes half as large
- B. It becomes four times as large
- C. It becomes twice as large ✓
- D. It remains unchanged

Q76 General Science **ENGLISH**

Atomic masses of elements are compared with a standard reference. Carbon-12 was chosen as the standard for the atomic mass unit mainly because:

- A. Carbon is present in very large amounts in nature
- B. Carbon-12 gives atomic masses close to whole numbers ✓
- C. Carbon shows very little chemical reactivity with elements
- D. Carbon is able to form a large number of compounds

Q77 General Science **ENGLISH**

When two aqueous solutions react inside a sealed flask and form products, what happens to the total mass of the system?

- A. It decreases due to precipitation
- B. It remains unchanged throughout ✓
- C. It fluctuates during reaction
- D. It increases due to gas formation

Q78 General Science **ENGLISH**

Ribosomes are attached to the surface of the rough endoplasmic reticulum. What is the primary function of the rough endoplasmic reticulum?

- A. Lipid synthesis
- B. Energy production and cellular respiration
- C. Protein synthesis and transport ✓
- D. DNA replication and transcription

Q79 General Science **ENGLISH**

Which cell organelle is responsible for the manufacture of lipids in the cell?

- A. Rough Endoplasmic Reticulum
- B. Golgi Apparatus
- C. Smooth Endoplasmic Reticulum ✓
- D. Mitochondria

Q80 General Science **ENGLISH**

Which statement correctly describes the atomic number of an element?

- A. Total number of nucleons in the atom
- B. Total mass of all subatomic particles
- C. Number of protons present in the nucleus ✓
- D. Number of neutrons present in the nucleus

Q81 General Science **ENGLISH**

Which of the following metals is NOT refined by electrolytic refining?

- A. sodium ✓
- B. copper
- C. zinc
- D. tin

Q82 General Science **ENGLISH**

When a man pushes a wall but the wall does not move, what is the work done by the man on the wall?

- A. Maximum work is done as the man uses full effort.
- B. Zero work is done as there is no displacement of the wall. ✓
- C. Negative work is done as the wall resists the push.
- D. Positive work is done as force is applied.

Q83 General Science **ENGLISH**

Coal is primarily formed from:

- A. Lava flows from volcanoes
- B. Mineral deposits in the Earth
- C. Layers of dead plants compressed over millions of years ✓
- D. Remains of animals preserved in rocks



Q84 General Science **ENGLISH**

When methane (CH₄) burns completely in the presence of sufficient oxygen, which products are formed?

- A. Carbon monoxide and water
- B. Carbon dioxide and carbon
- C. Carbon and hydrogen
- D. Carbon dioxide and water ✓

Q85 General Science **ENGLISH**

Sonora-64 and Lerma Rojo are high-yielding varieties (HYVs) of which crop introduced during the Green Revolution in India?

- A. Rice
- B. Wheat ✓
- C. Maize
- D. Barley

Q86 General Science **ENGLISH**

Why is using compost or vermi-compost preferable to excessive use of fertilizers for increasing soil fertility?

- A. It replaces the need for irrigation and weeding.
- B. It supplies only micro-nutrients and avoids macronutrients.
- C. It recycles biological waste and avoids environmental harm. ✓
- D. It eliminates bacterial and viral plant diseases.

Q87 General Science **ENGLISH**

Which structural feature primarily enables upward movement of water against gravity in plants?

- A. Large intercellular spaces in spongy mesophyll
- B. Thin-walled sieve tubes with companion cells
- C. Actively dividing meristematic tissues
- D. Lignified xylem vessels forming continuous columns ✓

Q88 General Science **ENGLISH**

What is the function of the iris in the human eye?

- A. Forms the image on the retina
- B. Refracts incoming light rays
- C. Controls the size of the pupil ✓
- D. Transmits signals to the brain

Q89 General Science **ENGLISH**

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

Statement A: Selective reabsorption in nephrons helps maintain water and salt balance in the body.

Statement B: Selective reabsorption prevents nitrogenous wastes from entering the filtrate.

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

Q90 General Science **ENGLISH**

Which of the following statements about washing soda is CORRECT?

- A. Washing soda is chemically sodium carbonate decahydrate (Na₂CO₃·10H₂O) ✓
- B. It is obtained by heating sodium bicarbonate to 100°C
- C. Washing soda is acidic in nature
- D. It does not remove permanent hardness of water

Q91 General Science **ENGLISH**

Which statement best explains why unsaturated carbon compounds are generally more reactive than saturated carbon compounds?

- A. Unsaturated compounds form only straight carbon chains
- B. Unsaturated compounds contain only single bonds between carbon atoms
- C. Unsaturated compounds have fewer hydrogen atoms attached to carbon
- D. Unsaturated compounds have double or triple bonds between carbon atoms ✓



Q92 General Science **ENGLISH**

When a gun is fired, it recoils backward as the bullet moves forward. How does this demonstrate Newton's third law of motion?

A. The bullet moves forward only because the gun has stored energy.

B. The gun pushes the bullet forward, and the bullet pushes the gun backward with an equal and opposite force. ✓

C. The gun moves backward because it is heavier than the bullet.

D. The gun recoils because the bullet moves faster than the gun.

Q93 General Science **ENGLISH**

Systolic pressure is measured when the heart

A. Fills with blood

B. Contracts ✓

C. Stops beating

D. Relaxes

Q94 General Science **ENGLISH**

Which of the following everyday examples represents a homogeneous mixture?

A. Salt completely dissolved in water ✓

B. Chalk powder stirred in water

C. Sand mixed uniformly with iron filings

D. Oil mixed thoroughly with water

Q95 General Science **ENGLISH**

If a material has an absolute refractive index of 1.7, what does this imply about the speed of light in that material compared to vacuum?

A. Light travels 1.7 times faster in the material than in vacuum.

B. Light travels 1.7 times slower in the material than in vacuum. ✓

C. The speed difference cannot be determined from this value.

D. Light travels at the same speed in both.

Q96 General Science **ENGLISH**

Which bee variety is commonly known as the Indian bee and is used for commercial honey production?

A. *Apis mellifera*

B. *Apis dorsata*

C. *Apis cerana indica* ✓

D. *Apis florae*

Q97 General Science **ENGLISH**

Which enzyme initiates carbohydrate digestion in the human mouth?

A. Trypsin released by pancreas

B. Lipase secreted by liver

C. Pepsin secreted by gastric glands

D. Salivary amylase present in saliva ✓

Q98 General Science **ENGLISH**

A physicist uses a convex lens to focus sunlight onto a piece of paper and notices the smallest, brightest spot forms at a certain distance from the lens. Which property of the lens does this experiment help to determine?

A. The experiment helps to determine the focal length of the lens. ✓

B. The experiment helps to determine the diameter of the lens.

C. The experiment helps to determine the principal axis of the lens.

D. The experiment helps to determine the optical center of the lens.

Q99 General Science **ENGLISH**

Why are cross-breeding programmes between indigenous and exotic poultry breeds undertaken?

A. To create hybrids showing similarity with their ancestors

B. To create hybrids with less attractive features

C. To increase only the egg size

D. To develop new varieties with desirable traits ✓



Q100 General Science **ENGLISH**

If an ammeter reading increases when a thicker wire replaces a thinner one of the same material and length, what is the most likely reason?

- A. The wire's resistivity increased
- B. The wire's length is shorter
- C. The resistance of the thicker wire is lower, allowing more current ☒
- D. The voltage across the wire decreased

blackbook



Mathematics

33 Questions • Answer Key

Q1 Mathematics ENGLISH

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

3 8 6 11 9 14 ?

A. 17

B. 16

C. 12



D. 15

Q2 Mathematics ENGLISH

The number 343264 is divisible by:

A. 27

B. 43

C. 29

D. 32



Q3 Mathematics ENGLISH

A shopkeeper bought six identical mobile phones for ₹72,000. He sold two of these mobile phones for ₹42,000. Find his gain percentage.

A. 77%

B. 78%

C. 75%



D. 76%

Q4 Mathematics ENGLISH

A man bought two types of sharpeners, one at ₹18 for 9 sharpeners and the other at ₹8 per sharpener. He purchased an equal number of each type and sold all the sharpeners at ₹8 per piece. Find his percentage profit.

A. 80%

B. 85%

C. 60%



D. 75%

Q5 Mathematics ENGLISH

Two water supply lines A and B can fill a reservoir individually in 10 hours and 12 hours, respectively. A discharge outlet D can empty the reservoir completely in 6 hours. If all three are opened together at 7:00 A.M., at what time will one-fourth of the reservoir be filled?

A. 11 A.M.

B. 11 P.M.

C. 10 P.M.



D. 10 A.M.

Q6 Mathematics ENGLISH

A tap can fill a cistern in 27 hours, while another tap can empty the full cistern in 36 hours. If the cistern is initially empty and both taps are opened together, find the time (in hours) required to fill one-fourth of the cistern.

A. 108

B. 54

C. 81

D. 27



Q7 Mathematics ENGLISH

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

10 13 19 28 40 ?

A. 53

B. 52

C. 55



D. 54



Q8 Mathematics ENGLISH

Let C be a circle with centre O, and R be an external point to C. Let RP and RQ be two tangents to circle C with P and Q being the points of tangency, respectively. If $\angle PRQ = 60^\circ$, then find $\angle POQ$.

A. 100° B. 60° C. 80° D. 120° ✓**Q9 Mathematics** ENGLISH

If x is inversely proportional to y, and $y = 7$ when $x = 16$, find the value of x, when $y = 2$.

A. 55

B. 53

C. 56 ✓

D. 47

Q10 Mathematics ENGLISH

Find the mean proportional of 144 and 9.

A. 35

B. 37

C. 39

D. 36 ✓

Q11 Mathematics ENGLISH

A 200 m long train crosses a man walking at a speed of 6.6 km/h in the opposite direction in 15 seconds. What is the speed (in km/h) of the train?

A. 42.2

B. 37.2

C. 41.4 ✓

D. 46.3

Q12 Mathematics ENGLISH

The product of two consecutive natural numbers is 12. The greater of the two numbers is:

A. 6

B. 3

C. 2

D. 4 ✓

Q13 Mathematics ENGLISH

Mr. Madan got 9 out of 10 marks in English, 15 out of 16 in life sciences and the ratio of the percentage of his marks in English and Mathematics is 15: 16. If the total marks of Mathematics are 20, then find the difference of the percentage of his marks in Mathematics and life sciences.

A. 2.25% ✓

B. 3.5%

C. 5.25%

D. 4.35%

Q14 Mathematics ENGLISH

If at the same rate of interest, in 2 years, the simple interest is ₹48 and compound interest, compounded annually, is ₹54, then what is the principal (in ₹)?

A. 96 ✓

B. 91

C. 100

D. 89

Q15 Mathematics ENGLISH

The average of the first 18 positive multiples of 9 is:

A. 9

B. 85.5 ✓

C. 18

D. 81



Q16 Mathematics ENGLISH

Simplify: $23 - [3 - \{9 - (4 + 5)\}]$

A. 24

B. 27

C. 20



D. 17

Q17 Mathematics ENGLISH

A trader gives 10% discount on the marked price of an article and gives 40 articles free for buying 112 articles and gains 26% in the entire transaction. Assuming a customer pays for 112 articles, the marked price of an article is what percentage more than its cost price?

A. 95%

B. 98%

C. 90%



D. 82%

Q18 Mathematics ENGLISH

Rupesh has borrowed an amount of ₹4,40,000 from a bank to start a business. How much simple interest (in ₹) will he pay at a rate of 7% per annum after 3 years?

A. 91400

B. 92400



C. 93400

D. 94400

Q19 Mathematics ENGLISH

Anwar's salary is ₹19,000 per month. He spends ₹4,500 on house rent, ₹1,500 on bills and the rest of the amount is his monthly savings. Find his savings (in ₹) in a year, if in the month of his birthday, he spent his complete monthly savings for his birthday celebration.

A. 1,17,000

B. 1,30,000

C. 1,56,000

D. 1,43,000

**Q20 Mathematics ENGLISH**

Three bells ring at intervals of 4, 6, and 9 minutes, respectively. If they all ring together at 9:00 a.m., at what time will they ring together again?

A. 9:54 a.m.

B. 9:36 a.m.



C. 9:42 a.m.

D. 9:48 a.m.

Q21 Mathematics ENGLISH

If two cars start at the same point and move along a straight road, Car X at a constant speed of 40 km/h and Car Y at a constant speed of 60 km/h, which statement correctly compares their motions after 2 hours?

A. Both cars will have traveled the same distance after 2 hours.

B. Car Y will be 40 km ahead of Car X after 2 hours.



C. Car Y will be 20 km ahead of Car X after 2 hours.

D. Car X will be 40 km ahead of Car Y after 2 hours.

Q22 Mathematics ENGLISH

In covering a distance of 130 km, Amit takes 4 hours more than Vinay. If Amit doubles his speed, then he would take 9 hour less than Vinay. Amit's original speed is:

A. 5 km/h



B. 9 km/h

C. 6 km/h

D. 14 km/h

Q23 Mathematics ENGLISH

A cubical gift box has each side measuring 12.4 cm. It is to be wrapped all over with a gift paper. Find the area to be wrapped.

A. 1022.45 cm²

B. 822.75 cm²

C. 922.56 cm²



D. 1082.50 cm²



Q24 Mathematics ENGLISH

Find the median of the following data.

7, 19, 88, 20, 19, 26, 90, 81, 44, 34.

A. 30



B. 28

C. 32

D. 34

Q25 Mathematics ENGLISH

In what ratio should sugar costing ₹38 per kg be mixed with sugar costing ₹55 per kg so that by selling the mixture at ₹57.20 per kg, there is a profit of 10%?

A. 12 : 1

B. 3 : 14



C. 12 : 5

D. 15 : 1

Q26 Mathematics ENGLISH

What is the mean of the following distribution?

Marks	10	28	48	69	87
No. of Students	15	34	37	44	12

A. 78

B. 34

C. 49



D. 71

Q27 Mathematics ENGLISH

Solve the following linear equations.

$$x + y - 2z = 10, \quad 3x + y - z = 12, \quad x + 2y - z = 5$$

A. $x = -3, y = 1, z = 4$

B. $x = 4, y = -1, z = -3$

C. $x = 3, y = -1, z = -4$



D. $x = -4, y = 1, z = 3$

Q28 Mathematics ENGLISH

A road roller of diameter 2.24 m and length 1 m has to press a ground of area 880 m^2 . How many revolutions does it make to complete the work?

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

A. 109

B. 100

C. 114

D. 125



Q29 Mathematics **ENGLISH**

If $\frac{x}{x^2 - 4x + 1} = \frac{1}{9}$, then the value of $x^3 + \frac{1}{x^3}$ is:

A. 2158



B. 1256

C. 1839

D. 729

Q30 Mathematics **ENGLISH**

If $\operatorname{cosec}^2\theta + 4\sin^2\theta = 4$, where $0^\circ \leq \theta \leq 90^\circ$, then find the value of θ .

A. 60°

B. 45°



C. 90°

D. 30°

Q31 Mathematics **ENGLISH**

The ratio of fare of a person between Auto and Bus is 2 : 3.5 and the ratio of number of passengers travelled, on a particular day, by Auto and Bus is 4 : 7. By what fraction the total fare collected by Auto on that particular day is less than the total fare collected by Bus?

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

B. $\frac{33}{49}$



C. $\frac{2}{5}$

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

Q32 Mathematics **ENGLISH**

The value of $\sqrt{\left(42 + \sqrt{\left(46 + \sqrt{\left(3 + \sqrt{\left(34 + \sqrt{(4)}\right)}\right)}\right)}\right)}$ is:

A. 9

B. 11

C. 8

D. 7



Q33 Mathematics **ENGLISH**

One root of the quadratic equation $2x^2 + (k+3)x + 2k = 0$ is reciprocal of the other. Find the roots.

- A. -1 and 1
- B. 1 and 1
- C. $\frac{1}{2}$ and 2
- D. -1 and -1

**General Intelligence and Reasoning**

23 Questions • Answer Key

Q34 General Intelligence and Reasoning **ENGLISH**

B is the mother of U. U is the sister of N. C is the father of Y. Y is the husband of N. How is Y related to B?

- A. Daughter's husband
- B. Husband
- C. Father
- D. Daughter's son

**Q35** General Intelligence and Reasoning **ENGLISH**

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

$$53 + 28 \div 72 \times 8 - 3 = ?$$

- A. 52
- B. 51
- C. 28
- D. 27

**Q36** General Intelligence and Reasoning **ENGLISH**

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

Among 5 people, A, B, C, D and E, each of a different height, who is the second-tallest?

I: E is shorter than A. B is taller than D but shorter than E.

II: Only C is taller than A. D is shorter than E.

- A. The data in statement I and II together (and not statement I alone or statement II alone) is sufficient to answer the question
- B. The data in statement I and II put together is NOT sufficient to answer the question
- C. The data in statement I alone is sufficient to answer the question while data in statement II is not
- D. The data in statement II alone is sufficient to answer the question while data in statement I is not

**Q37** General Intelligence and Reasoning **ENGLISH**

KJ 3 is related to MF -10 in a certain way. In the same way, EH 6 is related to GD -7. To which of the given options is QJ 4 related, following the same logic?

- A. RF -9
- B. RE -7
- C. SE -7
- D. SF -9



Q38 General Intelligence and Reasoning **ENGLISH**

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

(Left) 694 874 742 459 648 (Right)

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

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

A. 13

B. 14

C. 12

D. 16

Q39 General Intelligence and Reasoning **ENGLISH**

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

(Left) Z U % & J L C @ M * N # % Q X Y & \$ T E % X (Right)

If all the letters are dropped from the series, which of the following will be sixth from the left?

A. *

B. &

C. #

D. %

Q40 General Intelligence and Reasoning **ENGLISH**

In a certain code language,

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

A – B means 'A is the brother of B'

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

A ÷ B means 'A is the father of B'

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

A. Daughter

B. Brother's daughter

C. Wife

D. Brother's wife

Q41 General Intelligence and Reasoning **ENGLISH**

88 is related to 225 following a certain logic. Following the same logic, 124 is related to 261. To which of the following is 178 related, following the same logic? (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

A. 311

B. 315

C. 317

D. 313

Q42 General Intelligence and Reasoning **ENGLISH**

What should come in place of ? in the given series based on the English alphabetical order?
TLP SKO RJN QIM ?

A. PHK

B. PGK

C. PGL

D. PHL

Q43 General Intelligence and Reasoning **ENGLISH**

Atharv starts from Point A and drives 12 km towards west. He then takes a right turn, drives 3 km, turns right and drives 16 km. He then takes a right turn and drives 9 km. He takes a final right turn, drives 4 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again?

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

A. 5 km to the north

B. 6 km to the north

C. 5 km to the south

D. 6 km to the south



Q44 General Intelligence and Reasoning **ENGLISH**

Six friends, O, P, Q, G, H and I, live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on, till the topmost floor, which is numbered 6. Q lives on an odd-numbered floor. Only two people live between Q and O. H lives immediately above O. G lives immediately below P.

How many people live between I and P?

A. Two



B. Three

C. One

D. None

Q45 General Intelligence and Reasoning **ENGLISH**

Seven people, F, J, M, L, R, V and X, are sitting in a row, facing north.

Only V sits to the left of F. Only four people sit between V and J. Only X sits between R and L, and R is not an immediate neighbor of J.

How many people sit to the left of L?

A. 1

B. 2

C. 3

D. 4

**Q46** General Intelligence and Reasoning **ENGLISH**

L, I, S, T, E and N, each has a different age. Only N is younger than L. S is older than T, but younger than E. Only I is older than E. Who is the third youngest?

A. T



B. E

C. I

D. N

Q47 General Intelligence and Reasoning **ENGLISH**

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)

(33, 1089, 17)

(21, 441, 11)

A. (30, 900, 16)

B. (27, 729, 14)



C. (18, 324, 11)

D. (24, 576, 13)

Q48 General Intelligence and Reasoning **ENGLISH**

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

(Left) M L Z Q @ L X + E S E / J L Q Y Q W + X R (Right)

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

A. None



B. Three

C. Two

D. One

Q49 General Intelligence and Reasoning **ENGLISH**

I, J, K, U, V and W live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on, till the topmost floor is numbered 6. Only two people live between V and J. Only K lives above W. U lives on an even numbered floor. V lives on the lowermost floor. How many people live between I and K?

A. One

B. Two



C. Three

D. Four



Q50 General Intelligence and Reasoning **ENGLISH**

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

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

A. HM - QL

B. NT - XT



C. OT - XS

D. AF - JE

Q51 General Intelligence and Reasoning **ENGLISH**

19 is related to 210 following a certain logic. Following the same logic, 27 is related to 298. To which of the following is 43 related, following the same logic?

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

A. 476

B. 474



C. 478

D. 475

Q52 General Intelligence and Reasoning **ENGLISH**

Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion(s) logically follow(s) from the given statements.

Statements: All stamp are logo. All stamp are cheque. All stamp are document.

Conclusions (I): All logo are document.

Conclusions (II): Some document are cheque.

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

B. Only conclusion (I) follows

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

D. Only conclusion (II) follows

**Q53** General Intelligence and Reasoning **ENGLISH**

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

: GJE :: SVQ : %

A. # = PLG, % = QJN

B. # = IPG, % = QTM

C. # = MKG, % = QKI

D. # = ILG, % = QTO



Q54 General Intelligence and Reasoning **ENGLISH**

In this question, a group of number/symbol is coded using letter codes as per the codes given below and the conditions which follow. The correct combination of codes following the conditions is your answer. If none of the conditions follow, then codes for the respective Number/Symbol to be followed directly as given in the table.

NUMB ER/SY MBOL	7	\$	8	6	&	#	3	+	5	4	2	9	@	*
CODE	B	C	R	T	H	U	L	P	A	Q	V	N	J	M

Conditions –

- (i) If the first element is a symbol and the last a number, the codes for these two (the first and the last elements) are to be interchanged.
- (ii) If the first element is an odd number and the last an even number, the first and last elements are to be coded as ©
- (iii) If both second and third elements are perfect squares, the third element is to be coded as the code for the second element.

7 & * 8 4

A. M H M R ©

B. B H M R Q

C. © H M R ©



D. © H M Q ©

Q55 General Intelligence and Reasoning **ENGLISH**

In this question, a group of number/symbol is coded using letter codes as per the codes given below and the conditions which follow. The correct combination of codes following the conditions is your answer. If none of the conditions follow, then codes for the respective Number/Symbol to be followed directly as given in the table.

Numb er/sy mbol	2	@	9	5	\$	3	&	%	#	7	+	4	8	6
Code	P	T	L	J	A	W	E	Q	D	R	S	B	U	F

Conditions –

- i. If the first element is a number and the last a symbol, the codes for these two (the first and the last elements) are to be interchanged.
- ii. If the first element is an odd number and the last an even number, the first and last elements are to be coded as *
- iii. If both second and third elements are perfect squares, the third element is to be coded as the code for the second element.

What will be the code for the following group of number-symbol?

537+

A. JRWS

B. SRWJ

C. JWRS

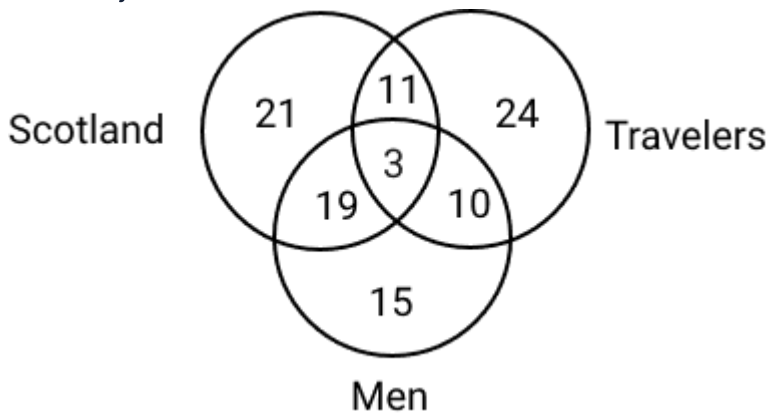
D. SWRJ



Q56 General Intelligence and Reasoning **ENGLISH**

Study the given Venn diagram carefully and answer the question. The numbers in different sections indicate the number of persons. (NOTE: You have to take the given data to be true even if they seem to be at variance from commonly known facts.)

How many Travelers are from Scotland but are not men?



A. 11



B. 19

C. 15

D. 10

General Awareness

16 Questions • Answer Key

Q57 General Awareness **ENGLISH**

What global events in late 2019 and early 2020 have contributed to a rethinking of globalisation strategies among policymakers?

A. Technological stagnation and inflation

B. COVID-19 pandemic



C. Urbanization and migration

D. Decrease in oil prices and global warming

Q58 General Awareness **ENGLISH**

Which measure has been made mandatory for brick kilns in India to reduce emissions, as per the 2024 government report on pollution control?

A. Retrofitting of biomass combustion units

B. Use of electrostatic filters in stacks

C. Conversion to solar thermal drying systems

D. Transition to zig-zag kiln technology

**Q59** General Awareness **ENGLISH**

In 2025, which Indian state government announced a legacy policy aimed at ensuring the long-term utilization of sports infrastructure developed for the National Games?

A. Gujarat

B. Maharashtra

C. Uttarakhand



D. Bihar

Q60 General Awareness **ENGLISH**

The Indian classical dance forms Kuchipudi and Bharatanatyam originated in which Indian states, respectively?

A. Tamil Nadu and Andhra Pradesh

B. Karnataka and Andhra Pradesh

C. Andhra Pradesh and Tamil Nadu



D. Kerala and Tamil Nadu



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Q61 General Awareness **ENGLISH**

Which of the following bodies is described as the "real executive" in the Indian political system?

A. Prime Minister of India



B. Supreme Court of India

C. Council of Ministers

D. President of India

Q62 General Awareness **ENGLISH**

Who is the author of the book titled 'I Am?', which was launched by Vice-president of India, Jagdeep Dhankhar in February 2025?

A. Satya Nadella

B. Roshni Nadar

C. Gopichand P. Hinduja



D. Grandhi Mallikarjuna Rao

Q63 General Awareness **ENGLISH**

In May 2025, DRDO's DMSRDE laboratory in _____ created an advanced polymeric membrane designed for high-pressure desalination of seawater.

A. Pune

B. Kanpur



C. Jaipur

D. Hyderabad

Q64 General Awareness **ENGLISH**

Which state hosted the 38th National Games of India in 2025?

A. Karnataka

B. Gujarat

C. Maharashtra

D. Uttarakhand



Q65 General Awareness **ENGLISH**

Which of the following features distinguishes the Purvanchal hills from the rest of the Himalayan mountain system?

A. They stretch in a convex arc along the eastern frontier



B. They form the highest peaks of the Zaskar range

C. They are snow-covered throughout the year

D. They include the Aravalli and Satpura hill groups

Q66 General Awareness **ENGLISH**

Which reformer attempted to synthesize Indian and Western religious thought in the 19th century?

A. Swami Vivekananda

B. Raja Ram Mohan Roy



C. Keshab Chandra Sen

D. Sir Syed Ahmed Khan

Q67 General Awareness **ENGLISH**

Which of the following was NOT a major recommendation of the Kelkar Task Force (2002) on direct taxes?

A. Reduction in corporate tax rate to 40 percent for domestic companies



B. Extension of PAN to cover all economic agents/citizens

C. Elimination of the standard deduction for salaried taxpayers

D. Elimination of the minimum alternate tax on corporate entities

Q68 General Awareness **ENGLISH**

What was the immediate cause that sparked the 1857 uprising among Indian sepoys?

A. Use of greased cartridges in Enfield rifles



B. Disbandment of local rulers

C. Heavy taxation

D. Attack on Lucknow by the British army



Q69 General Awareness **ENGLISH**

Article 23 of the Indian Constitution prohibits which of the following?

- A. Prohibition of traffic in human beings and forced labour** ✓
- B. Prohibition of discrimination on grounds of religion, race, caste, sex or place of birth
- C. Prohibition of employment of children in factories, etc.
- D. Prohibition of solemnisation of child marriages

Q70 General Awareness **ENGLISH**

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

Assertion (A): Burning plastic waste is a safe method of disposal.

Reason (R): Burning plastic releases toxic gases harmful to humans and the environment.

- A. Assertion is false, reason is true** ✓
- B. Both assertion and reason are true, but reason does not correctly explain the assertion
- C. Assertion is true, reason is false
- D. Both assertion and reason are true, and reason correctly explains the assertion

Q71 General Awareness **ENGLISH**

Who is the Chairperson of the Hyderabad City Security Council (HCSC) supporting the STREE Summit 2025?

- A. Geeta Goti
- B. CV Anand** ✓
- C. Joshna Chinappa
- D. C Shekar Reddy

Q72 General Awareness **ENGLISH**

Which of the following options correctly explains why the eastern coastal plains of India are wider and more deltaic than the western coastal plains?

- A. Eastern rivers form large deltas due to gentle slopes** ✓
- B. Eastern plains have more tectonic uplift
- C. Eastern rivers flow over steep gradients
- D. Eastern plains receive less tidal influence

General Science

28 Questions • Answer Key

Q73 General Science **ENGLISH**

In which of the following organisms are chromoplasts present?

- A. Hydra
- B. Star fish
- C. Rose** ✓
- D. Amoeba

Q74 General Science **ENGLISH**

Which process is responsible for the removal of waste byproducts from the body in living organisms?

- A. Nutrition
- B. Transportation
- C. Excretion** ✓
- D. Respiration

Q75 General Science **ENGLISH**

Why is it important to dry agricultural produce first in sunlight and then in shade before storage?

- A. To reduce moisture content and prevent growth of pests and fungi.** ✓
- B. To improve the color and taste of the produce.
- C. To make the grains easier to pack and prevent growth of weeds.
- D. To increase the size and brightness of the grains.

Q76 General Science **ENGLISH**

Which substance has a molecular mass of 44 u?

- A. Carbon monoxide
- B. Ammonia
- C. Methane
- D. Carbon dioxide** ✓



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Q77 General Science **ENGLISH**

What is the mass by mass percentage of salt in a solution prepared by dissolving 10 g of salt in 90 g of water?

A. 90%

B. 1%

C. 10%



D. 100%

Q78 General Science **ENGLISH**

An object of mass 3 kg initially at rest is subjected to a constant force of 9 N for 2 seconds. What will be its final velocity?

A. 18 m/s

B. 6 m/s



C. 3 m/s

D. 9 m/s

Q79 General Science **ENGLISH**

Which of the following arrangements produces a nearly uniform magnetic field in the central region of a circular current-carrying system under steady conditions?

A. Arranging loops in random orientations

B. Allowing current to vary with time in a single loop

C. Using multiple closely wound turns of identical radius with constant current



D. Using loops of varying radii

Q80 General Science **ENGLISH**

Which method helps prevent rancidity?

A. Exposing food to sunlight

B. Storing food in airtight containers



C. Adding excess water

D. Heating food continuously

Q81 General Science **ENGLISH**

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

Statement A: Mixed cropping helps reduce the risk of total crop failure under adverse environmental conditions.

Statement B: In mixed cropping, different crops are grown in a definite row arrangement to minimise competition.

A. Both statements A and B are incorrect.

B. Both statements A and B are correct.

C. Statement A is incorrect but B is correct.

D. Statement A is correct but B is incorrect.

**Q82** General Science **ENGLISH**

Which of the following statements about Plaster of Paris (POP) is CORRECT?

A. POP is $\text{CaSO}_4 \cdot \frac{1}{2}\text{H}_2\text{O}$ and sets slowly without water

B. POP is $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ and sets quickly on mixing with water

C. POP is $\text{CaSO}_4 \cdot \frac{1}{2}\text{H}_2\text{O}$ and hardens by reacting with water



D. POP is $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ and is mainly used as a fertilizer

Q83 General Science **ENGLISH**

A person with both myopia and hypermetropia is most likely to use which type of lens?

A. Concave lens

B. Convex lens

C. Bi-focal lens



D. Cylindrical lens

Q84 General Science **ENGLISH**

A scientist is designing an artificial multi-cellular organism. What must they include to ensure all cells receive nutrients and remove wastes effectively?

A. Simple diffusion through the entire surface

B. A transportation system for food, oxygen, and waste



C. Only specialised tissues for nutrition

D. Direct contact of every cell with the environment



Q85 General Science **ENGLISH**

Bleaching powder is commonly used:

- A. As a fuel
- B. To disinfect water ✓
- C. To make soap
- D. As a sweetener

Q86 General Science **ENGLISH**

Which calculation correctly gives the molecular mass of nitric acid (HNO_3)?

- A. $1 + 14 + 3$
- B. $1 + 14 + 16$
- C. $2 + 14 + 48$
- D. $1 + 14 + 48$ ✓

Q87 General Science **ENGLISH**

A student drags a suitcase on a flat airport floor. If the force applied and the distance moved both double, how does the work done change?

- A. Work done becomes four times greater. ✓
- B. Work done halves.
- C. Work done doubles.
- D. Work done remains unchanged.

Q88 General Science **ENGLISH**

A farming community wants to maximize crop yield despite limited increase in cultivable land. Which set of practices should they prioritize to achieve this goal?

- A. Farming without introducing modern technology or high-yielding varieties.
- B. Solely expanding the use of traditional farming methods.
- C. Crop variety improvement and crop production improvement only.
- D. Crop variety improvement, crop production improvement, and crop protection management. ✓

Q89 General Science **ENGLISH**

If a constant force acts on two objects of different masses, which statement best describes their acceleration according to the second law of motion?

- A. The object with greater mass will have greater acceleration.
- B. The object with smaller mass will have greater acceleration. ✓
- C. Acceleration does not depend on mass.
- D. Both objects will have the same acceleration.

Q90 General Science **ENGLISH**

Which observation best supports the statement that humans have double circulation of blood?

- A. Blood flows only once through the heart in one complete cycle
- B. Oxygenated and deoxygenated blood mix in the heart
- C. Blood passes through the heart twice in one complete circulation ✓
- D. Right side of the heart pumps oxygenated blood

Q91 General Science **ENGLISH**

When an object is placed at infinity in front of a convex mirror, what is the nature of the image formed?

- A. Virtual and erect ✓
- B. Real and inverted
- C. Real and erect
- D. Virtual and inverted

Q92 General Science **ENGLISH**

Which statement correctly describes an ion?

- A. A charged atom or group of atoms ✓
- B. A compound formed by covalent bonds
- C. A neutral atom formed by chemical bonding
- D. A molecule containing similar atoms only



Q93 General Science **ENGLISH**

If an atom loses two electrons, which of the following changes will occur?

- A. The atomic number will increase by 2.
- B. The neutron number will decrease by 2.
- C. The atomic number will decrease by 2.
- D. The atom will become a cation with +2 charge. ✓

Q94 General Science **ENGLISH**

In graphite, a carbon atom is attached with:

- A. Four other carbon atoms
- B. Two other carbon atoms
- C. One other carbon atom
- D. Three other carbon atoms ✓

Q95 General Science **ENGLISH**

A student claims that the force exerted by the Earth on the Moon is much stronger than the force exerted by the Moon on the Earth. Based on Newton's third law and the Universal Law of Gravitation, is this claim correct?

- A. No, both forces are equal in magnitude but opposite in direction ✓
- B. Yes, because Earth is more massive, it exerts more force
- C. No, Earth exerts a much smaller force on the Moon
- D. No, the Moon exerts a stronger force because it is closer to Earth

Q96 General Science **ENGLISH**

In the context of uniform circular motion, which of the following examples from everyday life best illustrates this concept?

- A. A car moving with changing speed along a circular track
- B. A pendulum bob swinging to and fro
- C. A satellite revolving around the Earth at a fixed speed in a circular orbit ✓
- D. A person walking randomly in a park

Q97 General Science **ENGLISH**

Equal pieces of zinc and copper are added separately to dilute sulphuric acid. Which observation is CORRECT?

- A. Neither metal evolves hydrogen gas
- B. Only zinc evolves hydrogen gas ✓
- C. Both metals evolve hydrogen gas
- D. Only copper evolves hydrogen gas

Q98 General Science **ENGLISH**

Bee-keeping is suitable as an additional income because it:

- A. Requires low investment ✓
- B. Needs large land area
- C. Depends on irrigation
- D. Uses chemical fertilisers

Q99 General Science **ENGLISH**

Animal tissues differ from plant tissues because animal tissues:

- A. Show unlimited growth
- B. Lack specialized functions
- C. Possess rigid cell walls
- D. Are mostly living and flexible ✓

Q100 General Science **ENGLISH**

A solar cooker uses a mirror to concentrate sunlight onto a vessel. Which type of mirror is used and what property makes it suitable?

- A. A concave mirror because it focuses parallel sunlight to a single point ✓
- B. A plane mirror because it reflects light uniformly
- C. A convex mirror because it spreads light over a large area
- D. A convex mirror because it provides a wide field of view



Mathematics

32 Questions • Answer Key

Q1 Mathematics

6 mm ವ್ಯಾಸದ ಸಿಲಿಂಡರಾಕಾರದ ಕೊಳವೆಯಿಂದ 10 m/min ದರದಲ್ಲಿ ನೀರು ಹರಿಯುತ್ತಿದೆ. ಹಾಗಾದರೆ ಪಾದದಲ್ಲಿ 60 cm ವ್ಯಾಸ ಮತ್ತು 21 cm ಆಳವಿರುವ ಶಂಕುವಿನಾಕಾರದ ಪಾತ್ರೆಯನ್ನು ತುಂಬಲು ಎಷ್ಟು ಸಮಯ ಬೇಕಾಗುತ್ತದೆ?

- A. 1 ಗಂಟೆ, 20 ನಿಮಿಷಗಳು
- B. 1 ಗಂಟೆ, 6 ನಿಮಿಷಗಳು
- C. 1 ಗಂಟೆ, 12 ನಿಮಿಷಗಳು
- D. 1 ಗಂಟೆ, 10 ನಿಮಿಷಗಳು



Q2 Mathematics

$5^3 \times 8^2 \times 12$, $5^2 \times 12^2 \times 16$ ಮತ್ತು $8^3 \times 12^2 \times 16^2$ ಗಳ ಲ.ಸಾ.ಅ. ಎಷ್ಟು?

- A. $222 \times 32 \times 53$
- B. $219 \times 32 \times 53$
- C. $220 \times 32 \times 53$
- D. $221 \times 32 \times 53$



Q3 Mathematics

A ಮತ್ತು B ಕೇಂದ್ರಗಳನ್ನು ಹೊಂದಿರುವ ಎರಡು ವೃತ್ತಗಳು M ಬಿಂದುವಿನಲ್ಲಿ ಬಾಹ್ಯವಾಗಿ ಸ್ಪರ್ಶಿಸುತ್ತವೆ. M ನಲ್ಲಿರುವ ಸ್ಪರ್ಶಕದ ಮೇಲಿನ P ಬಿಂದುವಿನಿಂದ, PQ ಮತ್ತು PR ಸ್ಪರ್ಶಕಗಳನ್ನು ಕ್ರಮವಾಗಿ Q ಮತ್ತು R ಸಂಪರ್ಕ ಬಿಂದುಗಳನ್ನು ಹೊಂದಿರುವ ವೃತ್ತಗಳಿಗೆ ಎಳೆಯಲಾಗುತ್ತದೆ. ಒಂದುವೇಳೆ AP = 13 cm ಮತ್ತು AM = 5 cm ಆಗಿದ್ದರೆ, PQ + PR - PM ನ ಮೌಲ್ಯವನ್ನು ಕಂಡುಹಿಡಿಯಿರಿ.

- A. 13 cm
- B. 14 cm
- C. 10 cm
- D. 12 cm



Q4 Mathematics

ವಾರ್ಷಿಕವಾಗಿ ಚಕ್ರಬಡ್ಡಿಯನ್ನು ಲೆಕ್ಕ ಹಾಕುವ ವಿಧಾನದಲ್ಲಿ, ಒಂದೇ ಮೊತ್ತದ ಹಣವನ್ನು ಅಮಿತ್ ಅವರು ಸರಳಬಡ್ಡಿ ಮತ್ತು ಚಕ್ರಬಡ್ಡಿ ಎರಡರಲ್ಲೂ ಹೂಡಿಕೆ ಮಾಡಿದ್ದಾರೆ. ಎರಡೂ ಮೊತ್ತಗಳ ಕಾಲಾವಧಿಯು 2 ವರ್ಷಗಳು ಮತ್ತು ಬಡ್ಡಿದರ ಸಹ ವಾರ್ಷಿಕ 10% ರಷ್ಟು ಆಗಿರುತ್ತದೆ. ಕೊನೆಯಲ್ಲಿ, ಅವರು ಪಡೆದ ಎರಡೂ ಬಡ್ಡಿಗಳ ನಡುವೆ ₹45 ವ್ಯತ್ಯಾಸ ಕಂಡುಬರುತ್ತದೆ. ಹಾಗಾದರೆ ಪ್ರತಿ ಸಂದರ್ಭದಲ್ಲಿ ಹೂಡಿಕೆ ಮಾಡಿದ ಮೊತ್ತ (₹ ಗಳಲ್ಲಿ) ಎಷ್ಟು?

- A. 4,500
- B. 3,600
- C. 4,850
- D. 3,750



Q5 Mathematics

ಎರಡು ಕ್ರಮಾನುಗತ ಸ್ವಾಭಾವಿಕ ಬೆಸ ಸಂಖ್ಯೆಗಳ ವರ್ಗಗಳ ಮೊತ್ತವು 3530 ಆಗಿದೆ. ಹಾಗಾದರೆ ಆ ಸಂಖ್ಯೆಗಳ ಮೊತ್ತ ಎಷ್ಟು?

- A. 84
- B. 100
- C. 98
- D. 80



Q6 Mathematics

ಒಂದುವೇಳೆ x ಎಂಬುದು y ಗೆ ನೇರವಾಗಿ ಮತ್ತು z ಗೆ ವಿಲೋಮವಾಗಿ ಬದಲಾದರೆ ಹಾಗೂ y = 40 ಮತ್ತು z = 3 ಆದಾಗ x = 16 ಆಗಿರುತ್ತದೆ. ಹಾಗಾದರೆ y = 50 ಮತ್ತು z = 6 ಆಗಿರುವಾಗ x ಅನ್ನು ಕಂಡುಹಿಡಿಯಿರಿ.

- A. 16
- B. 12
- C. 15
- D. 10



Q7 Mathematics

ಒಬ್ಬ ಹಣ್ಣಿನ ಮಾರಾಟಗಾರನು ₹60/kg ಮತ್ತು ₹68.40/kg ಬೆಲೆಯ ಎರಡು ತಳಿಯ ಮಾವಿನ ಹಣ್ಣುಗಳನ್ನು ಮಿಶ್ರಣ ಮಾಡಿ, ಆ ಮಿಶ್ರ ವಿಧದ ಮಾವಿನ ಹಣ್ಣುಗಳನ್ನು ₹79.80/kg ಗೆ ಮಾರಾಟ ಮಾಡಿ 18.75% ಲಾಭ ಗಳಿಸಬೇಕಾದರೆ, ಆ ಎರಡು ತಳಿಯ ಮಾವಿನ ಹಣ್ಣುಗಳನ್ನು ಯಾವ ಅನುಪಾತದಲ್ಲಿ ಮಿಶ್ರಣ ಮಾಡಬೇಕು?

A. 3 : 7

B. 7 : 3

C. 1 : 6

D. 6 : 1

Q8 Mathematics

P ಮತ್ತು Q ಕೊಳವೆಗಳು ಒಟ್ಟಾಗಿ ಒಂದು ತೊಟ್ಟಿಯನ್ನು 24 ಗಂಟೆಗಳಲ್ಲಿ ನೀರಿನಿಂದ ತುಂಬಿಸಬಲ್ಲವು. P ಕೊಳವೆಯೊಂದೇ 96 ಗಂಟೆಗಳಲ್ಲಿ ತೊಟ್ಟಿಯನ್ನು ತುಂಬಿಸಬಹುದಾದರೆ, Q ಕೊಳವೆಯೊಂದೇ ಎಷ್ಟು ಗಂಟೆಗಳಲ್ಲಿ ಅದೇ ತೊಟ್ಟಿಯ ನಾಲ್ಕನೇ ಮೂರು ಭಾಗವನ್ನು ತುಂಬಿಸಬಲ್ಲದು?

A. 49

B. 48

C. 24

D. 25

Q9 Mathematics

ಮಹೇಶ್ ಅವರು ಒಂದು ವ್ಯವಹಾರವನ್ನು ಪ್ರಾರಂಭಿಸಲು ಬ್ಯಾಂಕಿನಿಂದ ₹420000 ಸಾಲ ಪಡೆದಿದ್ದಾರೆ. 2 ವರ್ಷಗಳ ನಂತರ ಅವರು ವಾರ್ಷಿಕ 6% ದರದಲ್ಲಿ ಎಷ್ಟು ಸರಳ ಬಡ್ಡಿಯನ್ನು (₹ ಗಳಲ್ಲಿ) ಪಾವತಿಸುತ್ತಾರೆ?

A. 49400

B. 53400

C. 50400

D. 51400

Q10 Mathematics

ಒಂದು ಮಾರಾಟದ ಸಮಯದಲ್ಲಿ 50% ರಷ್ಟು ಸರಕುಗಳನ್ನು 19% ಲಾಭದಲ್ಲಿ ಮಾರಾಟ ಮಾಡಲಾಗುತ್ತದೆ, ಉಳಿದ ಸರಕುಗಳಲ್ಲಿ 20% ರಷ್ಟನ್ನು 40% ಲಾಭದಲ್ಲಿ ಮಾರಾಟ ಮಾಡಲಾಗುತ್ತದೆ ಮತ್ತು ಉಳಿದ ಸರಕುಗಳನ್ನು 25% ನಷ್ಟದಲ್ಲಿ ಮಾರಾಟ ಮಾಡಲಾಗುತ್ತದೆ. ಒಂದು ವೇಳೆ ಒಟ್ಟಾರೆ x% ಲಾಭವಿದ್ದರೆ, x ನ ಮೌಲ್ಯ ಎಷ್ಟು?

A. 3.5

B. 2

C. 5

D. 4

Q11 Mathematics

ಕೆಳಗೆ ಕೊಟ್ಟಿರುವ ಸರಣಿಯಲ್ಲಿ ಪ್ರಶ್ನಾರ್ಥಕ ಚಿಹ್ನೆಯ (?) ಜಾಗದಲ್ಲಿ ಯಾವುದು ಸರಿಹೊಂದುತ್ತದೆ?

115, 119, 127, 139, 155, ?

A. 171

B. 175

C. 173

D. 177

Q12 Mathematics

$(x^2 - 4x + 7)$ ಅನ್ನು $(x - 2)$ ನಿಂದ ಭಾಗಿಸಿದಾಗ ಉಳಿಯುವ ಶೇಷ ಎಷ್ಟು?

A. -1

B. 3

C. 7

D. 1

Q13 Mathematics

ಇಂಧನದ ಬೆಲೆಯು ಮೂರು ತಿಂಗಳುಗಳಲ್ಲಿ ಸತತವಾಗಿ 35%, 10% ಮತ್ತು 50% ರಷ್ಟು ಕಡಿಮೆಯಾಯಿತು, ಆದರೆ ನಾಲ್ಕನೇ ತಿಂಗಳಲ್ಲಿ 40% ರಷ್ಟು ಹೆಚ್ಚಾಯಿತು. ಇಂಧನದ ಮೂಲ ಬೆಲೆಗೆ ಹೋಲಿಸಿದರೆ ನಾಲ್ಕನೇ ತಿಂಗಳಲ್ಲಿ ಇಂಧನದ ಬೆಲೆಯಲ್ಲಿ ಉಂಟಾದ ಶೇಕಡಾವಾರು ಏರಿಕೆ/ಇಳಿಕೆ ಎಷ್ಟು?

A. 59.05% ಇಳಿಕೆ

B. 63.97% ಇಳಿಕೆ

C. 56.75% ಏರಿಕೆ

D. 64.45% ಏರಿಕೆ

Q14 Mathematics

$178 - 7 \times (3 + 17) + 22$ ಇದರ ಸರಳೀಕೃತ ಮೌಲ್ಯ ಎಷ್ಟು?

A. 67

B. 66

C. 60

D. 58



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Q15 Mathematics

ಒಂದು ಘನಾಭದ ಉದ್ದವು ಅದರ ಎತ್ತರದ ಮೂರು ಪಟ್ಟು ಇದೆ ಮತ್ತು ಅಗಲವು ಎತ್ತರದ ಎರಡು ಪಟ್ಟು ಇದೆ. ಒಂದುವೇಳೆ ಎತ್ತರವು $(x^2 + 2)$ cm ಆಗಿದ್ದರೆ, $x = 2$ ರಲ್ಲಿ ಘನಾಭದ ಪಾರ್ಶ್ವ ಮೇಲ್ಮೈ ವಿಸ್ತೀರ್ಣವನ್ನು ಕಂಡುಹಿಡಿಯಿರಿ.

A. 240 cm²B. 360 cm² ✓C. 300 cm²D. 420 cm²**Q16 Mathematics**

10 ವಿದ್ಯಾರ್ಥಿಗಳು ಗಳಿಸಿದ ಅಂಕಗಳನ್ನು ಈ ಕೆಳಗೆ ನೀಡಲಾಗಿದೆ.

12, 12, 20, 12, 12, 17, 17, 18, 18, 13

ಈ ದತ್ತಾಂಶದ ರೂಢಿಬೆಲೆ ಎಷ್ಟು?

A. 20

B. 17

C. 15

D. 12 ✓

Q17 Mathematics

A ಮತ್ತು B ಎಂಬ ಇಬ್ಬರು ಕ್ರಮವಾಗಿ 15 ದಿನಗಳು ಮತ್ತು 10 ದಿನಗಳಲ್ಲಿ ಒಂದು ಕೆಲಸವನ್ನು ಪೂರ್ಣಗೊಳಿಸಬಲ್ಲರು. ಅವರಿಬ್ಬರು ಒಟ್ಟಿಗೆ ಕೆಲಸ ಮಾಡಲು ಪ್ರಾರಂಭಿಸಿದರು. ಆದರೆ 4 ದಿನಗಳ ನಂತರ, B ಅವರು ಕೆಲಸ ಬಿಟ್ಟು ಹೊರಡಬೇಕಾಯಿತು. ಉಳಿದ ಕೆಲಸವನ್ನು A ಅವರು ಒಬ್ಬಂಟಿಯಾಗಿ ಮಾಡಿ ಮುಗಿಸಿದರು. ಹಾಗಾದರೆ ಸಂಪೂರ್ಣ ಕೆಲಸವು _____ ದಿನಗಳಲ್ಲಿ ಪೂರ್ಣಗೊಂಡಿತು.

A. 5

B. 10

C. 6

D. 9 ✓

Q18 Mathematics

ಚಂದು ಅವರು ದೋಣಿಯಲ್ಲಿ 285 km ದೂರವನ್ನು ಪ್ರವಾಹದ ವಿರುದ್ಧ ದಿಕ್ಕಿನಲ್ಲಿ 45 ಗಂಟೆಗಳಲ್ಲಿ ಕ್ರಮಿಸುತ್ತಾರೆ ಮತ್ತು ಅದೇ ದೂರವನ್ನು ಪ್ರವಾಹದ ದಿಕ್ಕಿನಲ್ಲಿ 18 ಗಂಟೆಗಳಲ್ಲಿ ಕ್ರಮಿಸುತ್ತಾರೆ. ಹಾಗಾದರೆ ಪ್ರವಾಹದ ವೇಗವನ್ನು ಕಂಡುಹಿಡಿಯಿರಿ.

A. 5.16 km/h

B. 4.75 km/h ✓

C. 1.39 km/h

D. 5.78 km/h

Q19 Mathematics

ಕೊಟ್ಟಿರುವ ಸರಣಿಯಲ್ಲಿನ ಪ್ರಶ್ನಾರ್ಥಕ ಚಿಹ್ನೆಯ '?' ಜಾಗದಲ್ಲಿ ಯಾವ ಆಯ್ಕೆ ಬರಬೇಕು?

250 200 160 130 ?

A. 110 ✓

B. 90

C. 100

D. 120

Q20 Mathematics

A ಯ 15% ಭಾಗವು B ಯ 20% ಭಾಗಕ್ಕೆ ಸಮಾನವಾಗಿದ್ದರೆ ಮತ್ತು B ಯ 10% ಭಾಗವು C ಯ 25% ಭಾಗಕ್ಕೆ ಸಮಾನವಾಗಿದ್ದರೆ, A : B : C ಗಳ ನಡುವಿನ ಅನುಪಾತ ಎಷ್ಟು?

A. 20:15:6 ✓

B. 22:17:11

C. 12:9:7

D. 8:7:6

Q21 Mathematics

8 ರ ಮೊದಲ 18 ಧನಾತ್ಮಕ ಗುಣಕಗಳ ಸರಾಸರಿ ಎಷ್ಟು?

A. 76 ✓

B. 8

C. 18

D. 72

Q22 Mathematics

ಒಂದು ವೇಳೆ 8 ಮತ್ತು 48 ರ ಮೂರನೇ ಸಮಾನುಪಾತವು x ಆಗಿದ್ದರೆ, x ನ ಮೌಲ್ಯ ಎಷ್ಟು?

A. 288 ✓

B. 286

C. 289

D. 291



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Q23 Mathematics

ಒಂದು ವೆಂಡಿಂಗ್ ಮೆಷಿನ್ ₹1, 50 ಪೈಸೆ ಮತ್ತು 25 ಪೈಸೆ ನಾಣ್ಯಗಳನ್ನು ಹೊಂದಿರುತ್ತದೆ. ಒಂದು ಟ್ರೇನಲ್ಲಿ ಈ ಮುಖಬೆಲೆಯ ನಾಣ್ಯಗಳ ಸಂಖ್ಯೆಯ ನಡುವಿನ ಅನುಪಾತವು 2 : 3 : 4 ಆಗಿರುತ್ತದೆ ಮತ್ತು ಅವುಗಳ ಒಟ್ಟು ಮೌಲ್ಯವು ₹180 ಆಗಿರುತ್ತದೆ. ಇನ್ನೊಂದು ಟ್ರೇನಲ್ಲಿ, ₹1, 50 ಪೈಸೆ ಮತ್ತು 25 ಪೈಸೆ ಮೌಲ್ಯಗಳ ನಾಣ್ಯಗಳ ನಡುವಿನ ಅನುಪಾತವು 13 : 11 : 7 ಆಗಿರುತ್ತದೆ ಮತ್ತು ಈ ಟ್ರೇನಲ್ಲಿರುವ ಒಟ್ಟು ನಾಣ್ಯಗಳ ಸಂಖ್ಯೆಯು 378 ಆಗಿದೆ. ಹಾಗಾದರೆ ಎರಡೂ ಟ್ರೇಗಳಲ್ಲಿ ಒಟ್ಟು ಎಷ್ಟು 50-ಪೈಸೆ ನಾಣ್ಯಗಳಿವೆ?

A. 250

B. 253

C. 251

D. 252 ☒**Q24 Mathematics**

$$\frac{4}{5} + \left(\frac{1}{1 + \frac{5}{8}} \right) - \frac{3}{5}$$

A. $\frac{60}{71}$ B. $\frac{58}{63}$ C. $\frac{53}{65}$ ☒D. $\frac{48}{65}$ **Q25 Mathematics**

$$\frac{x-3}{x-4} + \frac{x-6}{x-5} = \frac{5}{2}$$

ಈ ಸಮೀಕರಣದ ಶೋಧಕವನ್ನು ಕಂಡುಹಿಡಿಯಿರಿ.

A. -6

B. -7 ☒

C. 6

D. 7

Q26 Mathematics

2.1 cm ತ್ರಿಜ್ಯವನ್ನು ಹೊಂದಿರುವ ಘನ ಗೋಳದ ಘನಫಲ (cm³ ಗಳಲ್ಲಿ) ಎಷ್ಟು (ಎರಡು ದಶಮಾಂಶ ಸ್ಥಳಗಳಿಗೆ ಸರಿಹೊಂದಿಸಿ)? ($\pi = \frac{22}{7}$ ಬಳಸಿ)

A. 36.80

B. 34.81

C. 32.80

D. 38.81 ☒

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Q27 Mathematics

ಸಮರ್ಥನೆ (A) : ಕೊಟ್ಟಿರುವ ದತ್ತಾಂಶ (ಏರಿಕೆ ಕ್ರಮದಲ್ಲಿ ನೀಡಲಾಗಿದೆ) : 26, 29, 42, 53, x , $x + 2$, 70, 75, 82, 93 ರ ಮಧ್ಯಾಂಕವು 60 ಆಗಿದ್ದರೆ, x ನ ಮೌಲ್ಯವು 59 ಆಗಿರುತ್ತದೆ.

ಕಾರಣ (R) : ಕೊಟ್ಟಿರುವ ವೀಕ್ಷಣೆಗಳ ಸಂಖ್ಯೆಯು (n) ಸಮಸಂಖ್ಯೆಯಾಗಿದ್ದರೆ, ಮಧ್ಯಾಂಕವು $\frac{1}{2}$ (ಮಧ್ಯಮ ಪದಗಳ ಮೊತ್ತ) ಮೌಲ್ಯವನ್ನು ಹೊಂದಿರುತ್ತದೆ.

ಕೊಟ್ಟಿರುವ ದತ್ತಾಂಶವು ಏರಿಕೆ ಕ್ರಮದಲ್ಲಿದೆ.

- A. ಸಮರ್ಥನೆ (A) ಸರಿಯಾಗಿದೆ ಆದರೆ ಕಾರಣ (R) ತಪ್ಪಾಗಿದೆ
- B. ಸಮರ್ಥನೆ (A) ಮತ್ತು ಕಾರಣ ಎರಡೂ ಸರಿಯಾಗಿವೆ ಮತ್ತು R ಎಂಬುದು A ಗೆ ಸರಿಯಾದ ವಿವರಣೆಯಲ್ಲ
- C. ಸಮರ್ಥನೆ (A) ಮತ್ತು ಕಾರಣ ಎರಡೂ ಸರಿಯಾಗಿವೆ ಮತ್ತು R ಎಂಬುದು A ಗೆ ಸರಿಯಾದ ವಿವರಣೆಯಾಗಿದೆ ✓
- D. ಸಮರ್ಥನೆ (A) ತಪ್ಪಾಗಿದೆ ಆದರೆ ಕಾರಣ (R) ಸರಿಯಾಗಿದೆ

Q28 Mathematics **ENGLISH**

[Question text / figure not saved in the source paper record. Options and official answer as released.]

A. $\frac{-6 - \sqrt{5}}{31}$ ✓

B. $\frac{-7 - \sqrt{5}}{31}$

C. $\frac{-6 - \sqrt{5}}{36}$

D. $\frac{-6 - \sqrt{5}}{41}$

Q29 Mathematics

Y ಅವರು 438 km, 820 km ಮತ್ತು 972 km ದೂರಗಳನ್ನು ಕ್ರಮವಾಗಿ 6 km/hr, 20 km/hr ಮತ್ತು 27 km/hr ವೇಗಗಳಲ್ಲಿ ಕ್ರಮಿಸುತ್ತಾರೆ. ಹಾಗಾದರೆ ಅವರ ಸರಾಸರಿ ವೇಗವನ್ನು(km/hr ಗಳಲ್ಲಿ) ಕಂಡುಹಿಡಿಯಿರಿ.

A. $14\frac{11}{15}$

B. $14\frac{13}{15}$ ✓

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

D. $14\frac{8}{15}$



Q30 Mathematics

ಒಬ್ಬ ವ್ಯಾಪಾರಿಯು ತಲಾ ₹4.50 ರಂತೆ 1,200 ಮೊಟ್ಟೆಗಳನ್ನು ಖರೀದಿಸುತ್ತಾರೆ. ಅವುಗಳನ್ನು ಸಾಗಿಸುವಾಗ, 8% ರಷ್ಟು ಮೊಟ್ಟೆಗಳು ಒಡೆದುಹೋಗುತ್ತವೆ. ಉಳಿದ ಮೊಟ್ಟೆಗಳನ್ನು ಅವರು ತಲಾ ₹6.00 ರಂತೆ ಮಾರಾಟ ಮಾಡುತ್ತಾರೆ. ಹಾಗಾದರೆ ಅವರಿಗೆ ಬಂದ ಒಟ್ಟಾರೆ ಲಾಭದ ಶೇಕಡಾವಾರು ಪ್ರಮಾಣವನ್ನು ಕಂಡುಹಿಡಿಯಿರಿ.

A. $22\frac{1}{3}\%$

B. $21\frac{2}{3}\%$

C. $21\frac{1}{3}\%$

D. $22\frac{2}{3}\%$ ✓

Q31 Mathematics

ಇದರ ಮೌಲ್ಯ ಎಷ್ಟು?

$$\sqrt{\left(77 + \sqrt{\left(12 + \sqrt{\left(10 + \sqrt{\left(32 + \sqrt{(16)}\right)}\right)}\right)}\right)}$$

A. 8

B. 9 ✓

C. 13

D. 11

Q32 Mathematics

ಒಬ್ಬ ವ್ಯಾಪಾರಿಯು ಒಂದು ವಸ್ತುವನ್ನು ಅದರ ನಮೂದಿತ ಬೆಲೆಯ 76% ಗೆ ಮಾರಾಟ ಮಾಡುವುದರಿಂದ 20% ನಷ್ಟವನ್ನು ಅನುಭವಿಸುತ್ತಾನೆ. ಒಂದುವೇಳೆ ಅವನು ಅದರ ನಮೂದಿತ ಬೆಲೆಯ 99% ಗೆ ಅದನ್ನು ಮಾರಾಟ ಮಾಡಿದರೆ ಆಗುವ ಶೇಕಡಾವಾರು ಲಾಭ ಎಷ್ಟು?

A. $2\frac{2}{19}\%$

B. $4\frac{4}{19}\%$ ✓

C. $3\frac{3}{19}\%$

D. $1\frac{1}{19}\%$



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Q33 General Intelligence and Reasoning

ಒಂದುವೇಳೆ '+' ಮತ್ತು '-' ಪರಸ್ಪರ ಅದಲುಬದಲಾದರೆ ಹಾಗೂ 'x' ಮತ್ತು '÷' ಪರಸ್ಪರ ಅದಲುಬದಲಾದರೆ, ಕೆಳಗಿನ ಸಮೀಕರಣದಲ್ಲಿರುವ ಪ್ರಶ್ನಾರ್ಥಕ ಚಿಹ್ನೆಯ (?) ಜಾಗದಲ್ಲಿ ಏನು ಬರುತ್ತದೆ?

$$12 \div 3 + 32 \times 4 - 5 = ? + 3$$

A. 36



B. 34

C. 32

D. 38

Q34 General Intelligence and Reasoning

ಒಂದು ನಿರ್ದಿಷ್ಟ ಸಂಕೇತ ಭಾಷೆಯಲ್ಲಿ,
A + B ಎಂದರೆ 'A ಅವರು B ಅವರ ಮಗ'
A - B ಎಂದರೆ 'A ಅವರು B ಅವರ ಸಹೋದರಿ'
A x B ಎಂದರೆ 'A ಅವರು B ಅವರ ಹೆಂಡತಿ'
A ÷ B ಎಂದರೆ 'A ಅವರು B ಅವರ ತಂದೆ'

ಮೇಲಿನ ತರ್ಕವನ್ನು ಆಧರಿಸಿ ಒಂದು ವೇಳೆ 'C x S + D ÷ F - G' ಆಗಿದ್ದರೆ C ಅವರು G ಅವರಿಗೆ ಹೇಗೆ ಸಂಬಂಧಿ?

A. ಹೆಂಡತಿ

B. ಸಹೋದರನ ಮಗಳು

C. ಸಹೋದರನ ಹೆಂಡತಿ



D. ಮಗಳು

Q35 General Intelligence and Reasoning

ಒಂದು ನಿರ್ದಿಷ್ಟ ಸಂಕೇತದಲ್ಲಿ,
'great people gathering' ಅನ್ನು 'sc nj gy' ಎಂದು ಸಂಕೇತಿಸಲಾಗಿದೆ
'great minds together' ಅನ್ನು 'xg jp sc' ಎಂದು ಸಂಕೇತಿಸಲಾಗಿದೆ
'read people minds' ಅನ್ನು 'nj ys jp' ಎಂದು ಸಂಕೇತಿಸಲಾಗಿದೆ

(ಎಲ್ಲಾ ಸಂಕೇತಗಳು ಕೇವಲ ಎರಡಕ್ಷರಗಳ ಸಂಕೇತಗಳಾಗಿವೆ) ಹಾಗಾದರೆ 'together gathering' ನ ಸಂಕೇತ ಯಾವುದು?

A. gy ys

B. sc ys

C. xg gy



D. gy jp

Q36 General Intelligence and Reasoning

ಈ ಕೆಳಗೆ ಒಂದು ಪ್ರಶ್ನೆಯ ಜೊತೆಯಲ್ಲಿ (I) ಮತ್ತು (II) ಎಂಬ ಸಂಖ್ಯೆಗಳನ್ನು ನೀಡಿರುವ ಎರಡು ಹೇಳಿಕೆಗಳನ್ನು ನೀಡಲಾಗಿದೆ. ಈ ಹೇಳಿಕೆಗಳಲ್ಲಿ ನೀಡಲಾದ ಮಾಹಿತಿಯು ಪ್ರಶ್ನೆಗೆ ಉತ್ತರಿಸಲು ಸಾಕಾಗುತ್ತದೆಯೇ ಎಂಬುದನ್ನು ನೀವು ನಿರ್ಧರಿಸಬೇಕು. ಈ ಎರಡೂ ಹೇಳಿಕೆಗಳನ್ನು ಗಮನವಿಟ್ಟು ಓದಿರಿ ಮತ್ತು ಸೂಕ್ತವಾದ ಉತ್ತರ ಯಾವುದೆಂದು ನಿರ್ಧರಿಸಿ.

ಪ್ರಶ್ನೆ: Ax, Bk, Cq, Dp ಮತ್ತು Ev ಎಂಬ ಜನರು ಒಂದು ವೃತ್ತಾಕಾರದ ಮೇಜಿನ ಸುತ್ತಲೂ ಕುಳಿತು, ಮೇಜಿನ ಮಧ್ಯಭಾಗಕ್ಕೆ ಮುಖಮಾಡಿದ್ದಾರೆ. Cq ಅವರ ತಕ್ಷಣದ ಎಡಭಾಗದಲ್ಲಿ ಯಾರು ಕುಳಿತಿದ್ದಾರೆ?

ಹೇಳಿಕೆಗಳು:

(I) Bk ಅವರು Ev ಅವರ ಎಡಕ್ಕೆ ಎರಡನೆಯವರು. Dp ಅವರು Ev ಅವರ ಬಲಕ್ಕೆ ಎರಡನೆಯವರು.

(II) Ax ಅವರು Cq ಅವರ ಬಲಕ್ಕೆ ಎರಡನೆಯವರು. Dp ಅವರು Bk ಅವರ ತಕ್ಷಣದ ಎಡಕ್ಕೆ ಕುಳಿತಿದ್ದಾರೆ.

ಪ್ರಶ್ನೆಗೆ ಉತ್ತರಿಸಲು ಹೇಳಿಕೆ II ರಲ್ಲಿರುವ ಮಾಹಿತಿಯೊಂದೇ
A. ಸಾಕಾಗುತ್ತದೆ, ಆದರೆ ಹೇಳಿಕೆ I ರಲ್ಲಿರುವ ಮಾಹಿತಿಯೊಂದೇ ಸಾಕಾಗುವುದಿಲ್ಲ



ಹೇಳಿಕೆ I ಮತ್ತು ಹೇಳಿಕೆ II ಇವೆರಡರಲ್ಲಿನ ಒಟ್ಟುಗೂಡಿಸಿದ ಮಾಹಿತಿ
B. (ಕೇವಲ ಹೇಳಿಕೆ I ಮಾತ್ರ ಅಲ್ಲ ಅಥವಾ ಕೇವಲ ಹೇಳಿಕೆ II ಮಾತ್ರ ಅಲ್ಲ) ಪ್ರಶ್ನೆಗೆ ಉತ್ತರಿಸಲು ಸಾಕಾಗುತ್ತದೆ

ಪ್ರಶ್ನೆಗೆ ಉತ್ತರಿಸಲು ಹೇಳಿಕೆ I ರಲ್ಲಿರುವ ಮಾಹಿತಿಯೊಂದೇ
C. ಸಾಕಾಗುತ್ತದೆ, ಆದರೆ ಹೇಳಿಕೆ II ರಲ್ಲಿರುವ ಮಾಹಿತಿಯೊಂದೇ ಸಾಕಾಗುವುದಿಲ್ಲ

D. I ಮತ್ತು II ಹೇಳಿಕೆಗಳಲ್ಲಿನ ಒಟ್ಟುಗೂಡಿಸಿದ ಮಾಹಿತಿಯು ಪ್ರಶ್ನೆಗೆ ಉತ್ತರಿಸಲು ಸಾಕಾಗುವುದಿಲ್ಲ

Q37 General Intelligence and Reasoning

ಒಂದು ನಿರ್ದಿಷ್ಟ ಸಂಕೇತ ಭಾಷೆಯಲ್ಲಿ,
A + B ಎಂದರೆ 'A ಅವರು B ಅವರ ತಾಯಿ',
A - B ಎಂದರೆ 'A ಅವರು B ಅವರ ಸಹೋದರ',
A x B ಎಂದರೆ 'A ಅವರು B ಅವರ ಹೆಂಡತಿ',
A % B ಎಂದರೆ 'A ಅವರು B ಅವರ ತಂದೆ' ಮತ್ತು
A # B ಎಂದರೆ 'A ಅವರು B ಅವರ ಮಗಳು'.

ಒಂದುವೇಳೆ 'E % V + T # H % J' ಆಗಿದ್ದರೆ, E ಅವರು J ಅವರಿಗೆ ಹೇಗೆ ಸಂಬಂಧಿ?

A. ತಾಯಿಯ ತಂದೆ



B. ಮಗಳ ಮಗ

C. ಮಗಳ ಗಂಡ

D. ಹೆಂಡತಿಯ ತಂದೆ



Q38 General Intelligence and Reasoning

F, J, M, L, R, V ಮತ್ತು X ಎಂಬ ಏಳು ಜನರು ಒಂದು ನೇರವಾದ ಸಾಲಿನಲ್ಲಿ ಉತ್ತರ ದಿಕ್ಕಿಗೆ ಮುಖಮಾಡಿ ಕುಳಿತಿದ್ದಾರೆ. F ಮತ್ತು L ನಡುವೆ ಕೇವಲ ಇಬ್ಬರು ಕುಳಿತಿದ್ದಾರೆ. M ಅವರು ಮಾತ್ರ J ಅವರ ಬಲಭಾಗದಲ್ಲಿ ಕುಳಿತಿದ್ದಾರೆ. L ಮತ್ತು J ಅವರ ನಡುವೆ ಕೇವಲ ಒಬ್ಬ ವ್ಯಕ್ತಿ ಕುಳಿತಿದ್ದಾರೆ. R ಅವರು V ಅವರ ಬಲಭಾಗದ ಯಾವುದೋ ಒಂದು ಸ್ಥಾನದಲ್ಲಿ ಆದರೆ X ಅವರ ಎಡಭಾಗದ ಯಾವುದೋ ಒಂದು ಸ್ಥಾನದಲ್ಲಿ ಕುಳಿತಿದ್ದಾರೆ. ಹಾಗಾದರೆ R ಅವರ ಎಡಭಾಗದಲ್ಲಿ ಎಷ್ಟು ಜನರು ಕುಳಿತಿದ್ದಾರೆ?

A. 3

B. 2

C. 1

D. 4

Q39 General Intelligence and Reasoning

ಮೀನಾ, ಸುನೀತಾ, ಕವಿತಾ, ರೀನಾ ಮತ್ತು ಪ್ರೀತಿ ಅವರುಗಳ ಎತ್ತರಗಳು ಬೇರೆಬೇರೆಯಾಗಿವೆ. ಕವಿತಾ ಅವರಿಗಿಂತ ಕೇವಲ ಇಬ್ಬರು ಮಾತ್ರ ಕುಳ್ಳಗಿದ್ದಾರೆ. ರೀನಾ ಅವರು ಪ್ರೀತಿಗಿಂತ ಎತ್ತರವಾಗಿದ್ದಾರೆ ಆದರೆ ಸುನೀತಾ ಅವರಿಗಿಂತ ಕುಳ್ಳಗಿದ್ದಾರೆ. ಮೀನಾ ಅವರು ಎಲ್ಲರಿಗಿಂತ ಎತ್ತರವಿದ್ದಾರೆ.

ಹಾಗಾದರೆ ಎಲ್ಲರಿಗಿಂತ ಕುಳ್ಳಗಿರುವವರು ಯಾರು?

A. ಮೀನಾ

B. ರೀನಾ

C. ಪ್ರೀತಿ

D. ಸುನೀತಾ

Q40 General Intelligence and Reasoning

ಒಂದು ನಿರ್ದಿಷ್ಟ ಸಂಕೇತದಲ್ಲಿ, 'child plays game' ಅನ್ನು 'ra so tu' ಎಂದು ಸಂಕೇತಿಸಲಾಗಿದೆ 'adult plays work' ಅನ್ನು 'ke so mi' ಎಂದು ಸಂಕೇತಿಸಲಾಗಿದೆ 'game work activity' ಅನ್ನು 'tu mi lo' ಎಂದು ಸಂಕೇತಿಸಲಾಗಿದೆ

ಪ್ರಶ್ನೆ. ಹಾಗಾದರೆ **activity** ಯ ಸಂಕೇತ ಯಾವುದು?

A. lo

B. tu

C. mi

D. ke

Q41 General Intelligence and Reasoning

ಕೊಟ್ಟಿರುವ ಸಂಖ್ಯೆ ಮತ್ತು ಚಿಹ್ನೆಯ ಸರಣಿಯನ್ನು ನೋಡಿ ಮತ್ತು ಮುಂದಿನ ಪ್ರಶ್ನೆಗೆ ಉತ್ತರಿಸಿ. ಎಡದಿಂದ ಬಲಕ್ಕೆ ಮಾತ್ರ ಎಣಿಕೆ ಮಾಡಬೇಕು. (ಎಲ್ಲಾ ಸಂಖ್ಯೆಗಳು ಒಂದೇ ಅಂಕಿಯ ಸಂಖ್ಯೆಗಳಾಗಿವೆ.)

(ಎಡ) 2 # @ 1 4 ^ 8 9 + 2 ? \$ 3 ^ 7 * 9 8 (ಬಲ)

ಸರಣಿಯಲ್ಲಿನ ಎಷ್ಟು ಚಿಹ್ನೆಗಳು ತಮ್ಮ ತಕ್ಷಣದ ಹಿಂದೆ ಒಂದು ಸಂಖ್ಯೆಯನ್ನು ಮತ್ತು ತಮ್ಮ ತಕ್ಷಣದ ಮುಂದೆಯೂ ಒಂದು ಸಂಖ್ಯೆಯನ್ನು ಹೊಂದಿವೆ?

A. ಮೂರು

B. ಐದು

C. ಎರಡು

D. ನಾಲ್ಕು

Q42 General Intelligence and Reasoning

ಇಂಗ್ಲಿಷ್ ವರ್ಣಮಾಲೆಯ ಕ್ರಮವನ್ನು ಆಧರಿಸಿ QSTV ಎಂಬುದು ಒಂದು ನಿರ್ದಿಷ್ಟ ರೀತಿಯಲ್ಲಿ ZBCE ಗೆ ಸಂಬಂಧಿಸಿದೆ. ಅದೇ ರೀತಿಯಲ್ಲಿ, VXYA ಎಂಬುದು EGHJ ಗೆ ಸಂಬಂಧಿಸಿದೆ. ಅದೇ ತರ್ಕವನ್ನು ಅನುಸರಿಸಿದಾಗ, XZAC ಎಂಬುದು ಈ ಕೆಳಗಿನವುಗಳಲ್ಲಿ ಯಾವುದಕ್ಕೆ ಸಂಬಂಧಿಸಿದೆ?

A. GJIR

B. GIJL

C. GHIL

D. GIIL

Q43 General Intelligence and Reasoning

ಈ ಕೆಳಗಿನ ಸರಣಿಯಲ್ಲಿರುವ ಪ್ರಶ್ನಾರ್ಥಕ ಚಿಹ್ನೆಯ (?) ಜಾಗಕ್ಕೆ ಹಾಕಿದಾಗ ಸರಣಿಯನ್ನು ತರ್ಕಬದ್ಧವಾಗಿ ಪೂರ್ಣಗೊಳಿಸುವ ಅಕ್ಷರ-ಸಂಖ್ಯೆ ಗುಚ್ಛ ಯಾವುದು?

SWC67, XBH56, CGM45, HLR34, ?

A. NQW23

B. MOW23

C. MQX23

D. MQW23



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Q44 General Intelligence and Reasoning

ಕಾರ್ತಿಕ್ ಅವರು A ಬಿಂದುವಿನಿಂದ ಪ್ರಾರಂಭಿಸಿ ಪೂರ್ವಕ್ಕೆ 11 km ಚಾಲನೆ ಮಾಡುತ್ತಾರೆ. ನಂತರ ಬಲಕ್ಕೆ ತಿರುಗಿ 5 km ಚಾಲನೆ ಮಾಡುತ್ತಾರೆ. ನಂತರ ಬಲಕ್ಕೆ ತಿರುಗಿ 14 km ಚಾಲನೆ ಮಾಡುತ್ತಾರೆ. ನಂತರ ಬಲಕ್ಕೆ ತಿರುಗಿ 11 km ಚಾಲನೆ ಮಾಡುತ್ತಾರೆ. ಕೊನೆಯದಾಗಿ ಅವರು ಬಲಕ್ಕೆ ತಿರುಗಿ 3 km ಚಾಲನೆ ಮಾಡಿ P ಬಿಂದುವಿನಲ್ಲಿ ನಿಲ್ಲುತ್ತಾರೆ. ಹಾಗಾದರೆ A ಬಿಂದುವನ್ನು ಮತ್ತೆ ತಲುಪಬೇಕಾದರೆ ಅವರು ಎಷ್ಟು ದೂರ (ಅತ್ಯಂತ ಕಡಿಮೆ ದೂರ) ಮತ್ತು ಯಾವ ದಿಕ್ಕಿನಡೆಗೆ ಚಾಲನೆ ಮಾಡಬೇಕು?

(ನಿರ್ದಿಷ್ಟಪಡಿಸದ ಹೊರತು ಎಲ್ಲಾ ತಿರುವುಗಳು ಕೇವಲ 90 ಡಿಗ್ರಿಯ ತಿರುವುಗಳಾಗಿವೆ.)

- A. 7 km ದಕ್ಷಿಣದ ಕಡೆಗೆ
- B. 6 km ಉತ್ತರದ ಕಡೆಗೆ
- C. 6 km ದಕ್ಷಿಣದ ಕಡೆಗೆ
- D. 7 km ಉತ್ತರದ ಕಡೆಗೆ

Q45 General Intelligence and Reasoning

ಈ ಪ್ರಶ್ನೆಯು ಈ ಕೆಳಗಿನ ಪದಗಳನ್ನು ಆಧರಿಸಿದೆ.

OUT USE TUG RIP

ಇಂಗ್ಲಿಷ್ ವರ್ಣಮಾಲೆಯ ಕ್ರಮವನ್ನು ಆಧರಿಸಿ ಬಲಭಾಗದಲ್ಲಿರುವ ಮೊದಲ ಪದದ ಎರಡನೇ ಅಕ್ಷರ ಮತ್ತು ಎಡಭಾಗದಲ್ಲಿರುವ ಮೊದಲ ಪದದ ಎರಡನೇ ಅಕ್ಷರದ ನಡುವೆ ಎಷ್ಟು ಅಕ್ಷರಗಳಿವೆ?

- A. 12
- B. 14
- C. 11
- D. 10

Q46 General Intelligence and Reasoning

P, Q, R, S, T, U ಮತ್ತು V ಎಂಬ ಪ್ರತಿಯೊಬ್ಬರಿಗೂ ಒಂದು ವಾರದ ಬೇರೆ ಬೇರೆ ದಿನಗಳಲ್ಲಿ ಪರೀಕ್ಷೆಗಳಿವೆ. ಈ ಪರೀಕ್ಷೆಗಳು ಸೋಮವಾರದಿಂದ ಪ್ರಾರಂಭವಾಗಿ ಅದೇ ವಾರದ ಭಾನುವಾರದಂದು ಕೊನೆಗೊಳ್ಳುತ್ತವೆ. T ಅವರ ನಂತರ ಕೇವಲ ಐದು ಜನರಿಗೆ ಪರೀಕ್ಷೆಗಳಿವೆ. R ಅವರ ಮೊದಲು ಕೇವಲ ಐದು ಜನರಿಗೆ ಪರೀಕ್ಷೆಗಳಿವೆ. U ಅವರಿಗೆ P ಅವರ ತಕ್ಷಣದ ಮೊದಲು ಪರೀಕ್ಷೆ ಇದೆ. V ಅವರಿಗೆ U ಅವರ ಮೊದಲು ಪರೀಕ್ಷೆ ಇದೆ, ಆದರೆ S ಅವರ ನಂತರದ ದಿನವೊಂದರಲ್ಲಿ ಪರೀಕ್ಷೆ ಇದೆ. ಹಾಗಾದರೆ V ಮತ್ತು Q ಅವರ ನಡುವೆ ಎಷ್ಟು ಜನರಿಗೆ ಪರೀಕ್ಷೆಗಳಿವೆ?

- A. ಒಬ್ಬರು
- B. ನಾಲ್ವರು
- C. ಇಬ್ಬರು
- D. ಮೂವರು

Q47 General Intelligence and Reasoning

ಈ ಕೆಳಗಿನ ಎರಡು ಸಂಖ್ಯಾ- ಜೋಡಿಗಳಲ್ಲಿ, ಮೊದಲ ಸಂಖ್ಯೆಯ ಮೇಲೆ ಒಂದು ವಿಶಿಷ್ಟ ಗಣಿತದ ಕ್ರಿಯೆ(ಗಳನ್ನು) ನಡೆಸಿ ಎರಡನೇ ಸಂಖ್ಯೆಯನ್ನು ಪಡೆಯಲಾಗಿದೆ. ಹಾಗಾದರೆ ಈ ಕೆಳಗಿನ ಸಂಖ್ಯಾ ಜೋಡಿಗಳಲ್ಲಿನ ಸಂಖ್ಯೆಗಳು ಸಂಬಂಧ ಹೊಂದಿರುವ ರೀತಿಯಲ್ಲಿಯೇ ಸಂಬಂಧವನ್ನು ಹೊಂದಿರುವ ಸಂಖ್ಯಾ ಜೋಡಿಯನ್ನು ಆರಿಸಿ.
(ಸೂಚನೆ: ಸಂಖ್ಯೆಗಳನ್ನು ಅವುಗಳ ಬಿಡಿ ಅಂಕಗಳಾಗಿ ವಿಭಜಿಸದೆ, ಪೂರ್ಣ ಸಂಖ್ಯೆಗಳ ಮೇಲೆ ಕ್ರಿಯೆಗಳನ್ನು ನಡೆಸಬೇಕು. ಉದಾ. ಸಂಖ್ಯೆ 13 ಅನ್ನು 13 ಎಂದು ತೆಗೆದುಕೊಂಡು ಅದರ ಮೇಲೆ ಸಂಕಲನ/ವ್ಯವಕಲನ/ ಗುಣಕಾರ ಮುಂತಾದ ಕ್ರಿಯೆಗಳನ್ನು ಮಾಡಬಹುದು. 13 ಅನ್ನು 1 ಮತ್ತು 3 ಆಗಿ ವಿಭಜಿಸಿ ನಂತರ 1 ಮತ್ತು 3 ರ ಮೇಲೆ ಬೇರೆ ಬೇರೆಯಾಗಿ ಗಣಿತದ ಕ್ರಿಯೆಗಳನ್ನು ಮಾಡುವಂತಿಲ್ಲ.)

36, 289
58, 465

- A. 19, 183
- B. 21, 168
- C. 23, 185
- D. 32, 256

Q48 General Intelligence and Reasoning

ಈ ಕೆಳಗಿನ ಸಂಖ್ಯಾ ಜೋಡಿಗಳಲ್ಲಿ, ಮೊದಲ ಸಂಖ್ಯೆಯ ಮೇಲೆ ಗಣಿತದ ಕೆಲವು ಕ್ರಿಯೆಗಳನ್ನು ನಡೆಸುವ ಮೂಲಕ ಎರಡನೇ ಸಂಖ್ಯೆಯನ್ನು ಪಡೆಯಲಾಗಿದೆ. ಈ ಕೆಳಗಿನ ಸಂಖ್ಯಾ ಜೋಡಿಗಳಲ್ಲಿನ ಸಂಖ್ಯೆಗಳು ಯಾವ ರೀತಿ ಪರಸ್ಪರ ಸಂಬಂಧ ಹೊಂದಿವೆಯೋ ಅದೇ ರೀತಿಯ ಸಂಬಂಧವನ್ನು ಹೊಂದಿರುವ ಸಂಖ್ಯಾ ಜೋಡಿಯನ್ನು ಆರಿಸಿ.
(ಸೂಚನೆ: ಸಂಖ್ಯೆಗಳನ್ನು ಅವುಗಳ ಬಿಡಿ ಅಂಕಗಳಾಗಿ ವಿಭಜಿಸದೆ, ಪೂರ್ಣ ಸಂಖ್ಯೆಗಳ ಮೇಲೆ ಗಣಿತದ ಕ್ರಿಯೆಗಳನ್ನು ಮಾಡಬೇಕು. ಉದಾ. 13 - 13 ರ ಮೇಲೆ ಕೂಡಿಸುವುದು/ಕಳೆಯುವುದು/ಗುಣಿಸುವುದು ಮುಂತಾದ ಕ್ರಿಯೆಗಳನ್ನು ಮಾಡುವಾಗ 13 ಎಂದು ಪರಿಗಣಿಸಿ ಕ್ರಿಯೆಗಳನ್ನು ಮಾಡಬಹುದು. 13 ಅನ್ನು 1 ಮತ್ತು 3 ಎಂದು ಬೇರೆ ಬೇರೆಯಾಗಿ ಪರಿಗಣಿಸಿ ನಂತರ 1 ಮತ್ತು 3 ರ ಮೇಲೆ ಬೇರೆ ಬೇರೆಯಾಗಿ ಗಣಿತದ ಕ್ರಿಯೆಗಳನ್ನು ಮಾಡುವಂತಿಲ್ಲ.)

21, 274
34, 443

- A. 26, 339
- B. 24, 312
- C. 27, 351
- D. 29, 376



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Q49 General Intelligence and Reasoning

ಕೊಟ್ಟಿರುವ ಹೇಳಿಕೆಗಳು ಮತ್ತು ತೀರ್ಮಾನಗಳನ್ನು ಗಮನವಿಟ್ಟು ಓದಿ. ಈ ಹೇಳಿಕೆಗಳಲ್ಲಿ ನೀಡಲಾದ ಮಾಹಿತಿಯು ನಾವು ಸಾಮಾನ್ಯವಾಗಿ ತಿಳಿದಿರುವ ಸಂಗತಿಗಳಿಗಿಂತ ಭಿನ್ನವಾಗಿ ಕಂಡರೂ, ನೀವು ಅವುಗಳನ್ನು ನಿಜವೆಂದು ಭಾವಿಸಿ, ನೀಡಿರುವ ಹೇಳಿಕೆಗಳನ್ನು ಯಾವ ತೀರ್ಮಾನ/ತೀರ್ಮಾನಗಳು ತಾರ್ಕಿಕವಾಗಿ ಅನುಸರಿಸುತ್ತದೆ/ವೆ ಎಂಬುದನ್ನು ನಿರ್ಧರಿಸಿ.

ಹೇಳಿಕೆಗಳು:

ಎಲ್ಲಾ ಚಾಕೋಲೇಟ್‌ಗಳು ಜ್ಯೂಸ್‌ಗಳು.

ಎಲ್ಲಾ ಜ್ಯೂಸ್‌ಗಳು ಔಷಧಗಳು.

ಯಾವುದೇ ಜ್ಯೂಸ್ ಸಹ ಬಿಸ್ಕತ್ತು ಅಲ್ಲ.

ತೀರ್ಮಾನಗಳು:

(I): ಯಾವುದೇ ಔಷಧ ಸಹ ಬಿಸ್ಕತ್ತು ಅಲ್ಲ.

(II): ಯಾವುದೇ ಚಾಕೋಲೇಟ್ ಸಹ ಬಿಸ್ಕತ್ತು ಅಲ್ಲ.

A. ತೀರ್ಮಾನ (I) ಅಥವಾ (II) ಎರಡೂ ಅನುಸರಿಸುತ್ತವೆ

B. ತೀರ್ಮಾನ (I) ಅಥವಾ (II) ಎರಡೂ ಅನುಸರಿಸುವುದಿಲ್ಲ

C. ತೀರ್ಮಾನ (I) ಮಾತ್ರ ಅನುಸರಿಸುತ್ತದೆ

D. ತೀರ್ಮಾನ (II) ಮಾತ್ರ ಅನುಸರಿಸುತ್ತದೆ

Q50 General Intelligence and Reasoning

ಒಂದು ನಿರ್ದಿಷ್ಟ ರೀತಿಯಲ್ಲಿ QL 2 ಎಂಬುದು SG 16 ಎಂಬುದಕ್ಕೆ ಸಂಬಂಧಿಸಿದೆ. ಅದೇ ರೀತಿಯಲ್ಲಿ, EI 6 ಎಂಬುದು GD 20 ಎಂಬುದಕ್ಕೆ ಸಂಬಂಧಿಸಿದೆ. ಅದೇ ತರ್ಕವನ್ನು ಅನುಸರಿಸಿದಾಗ, PN 8 ಎಂಬುದು ಈ ಕೆಳಗಿನವುಗಳಲ್ಲಿ ಯಾವುದಕ್ಕೆ ಸಂಬಂಧಿಸಿದೆ?

A. RI 22

B. UJ 23

C. JI 12

D. YU 11

Q51 General Intelligence and Reasoning

ಇಂಗ್ಲಿಷ್ ವರ್ಣಮಾಲೆಯ ಕ್ರಮವನ್ನು ಆಧರಿಸಿ, ಈ ಕೆಳಗಿನ ನಾಲ್ಕರಲ್ಲಿ ಮೂರು ಆಯ್ಕೆಗಳು ಒಂದು ನಿರ್ದಿಷ್ಟ ರೀತಿಯಲ್ಲಿ ಒಂದೇ ರೀತಿ ಇವೆ ಮತ್ತು ಹೀಗಾಗಿ ಅವೆಲ್ಲವು ಒಂದೇ ಗುಂಪಿಗೆ ಸೇರುತ್ತವೆ. ಯಾವ ಒಂದು ಆಯ್ಕೆಯು ಆ ಗುಂಪಿಗೆ ಸೇರುವುದಿಲ್ಲ? (ಸೂಚನೆ: ಗುಂಪಿಗೆ ಸೇರದ ಅಕ್ಷರ ಗುಚ್ಛವು ಅದರಲ್ಲಿನ ವ್ಯಂಜನಗಳು/ಸ್ವರಗಳ ಸಂಖ್ಯೆ ಅಥವಾ ಅಕ್ಷರ ಗುಚ್ಛದಲ್ಲಿನ ಅವುಗಳ ಸ್ಥಾನವನ್ನು ಆಧರಿಸಿಲ್ಲ.)

A. WUQ

B. MLG

C. USO

D. DBX

Q52 General Intelligence and Reasoning

ಈ ಕೆಳಗಿನ ಗಣಗಳಲ್ಲಿನ ಸಂಖ್ಯೆಗಳು ಯಾವ ರೀತಿ ಪರಸ್ಪರ ಸಂಬಂಧ ಹೊಂದಿವೆಯೋ ಅದೇ ರೀತಿಯ ಸಂಬಂಧವನ್ನು ಹೊಂದಿರುವ ಗಣವನ್ನು ಆಯ್ಕೆಮಾಡಿ.

(ಸೂಚನೆ: ಸಂಖ್ಯೆಗಳನ್ನು ಅವುಗಳ ಬಿಡಿ ಅಂಕಗಳಾಗಿ ವಿಭಜಿಸದೆ, ಪೂರ್ಣ ಸಂಖ್ಯೆಗಳ ಮೇಲೆ ಕ್ರಿಯೆಗಳನ್ನು ನಿರ್ವಹಿಸಬೇಕು. ಉದಾ: 13 ಅನ್ನು ತೆಗೆದುಕೊಳ್ಳೋಣ. 13ಕ್ಕೆ ಕೂಡಿಸುವುದು/ಕಳೆಯುವುದು/ಗುಣಿಸುವುದು ಇತ್ಯಾದಿ ಕ್ರಿಯೆಗಳನ್ನು ಮಾಡಬಹುದು. 13 ಅನ್ನು 1 ಮತ್ತು 3 ಎಂದು ವಿಭಜಿಸಿ ನಂತರ 1 ಮತ್ತು 3 ರ ಮೇಲೆ ಗಣಿತದ ಕ್ರಿಯೆಗಳನ್ನು ಮಾಡಲು ಅವಕಾಶವಿಲ್ಲ.)

(24, 8, 96)

(28, 7, 98)

A. (48, 8, 144)

B. (44, 6, 134)

C. (32, 6, 96)

D. (52, 4, 102)

Q53 General Intelligence and Reasoning

ಈ ಕೆಳಗೆ ನೀಡಿರುವ ಅಕ್ಷರ ಮತ್ತು ಚಿಹ್ನೆ ಸರಣಿಯನ್ನು ಪರಿಶೀಲಿಸಿ ಮತ್ತು ಕೇಳಿರುವ ಪ್ರಶ್ನೆಗೆ ಉತ್ತರಿಸಿ. ಎಣಿಕೆಯನ್ನು ಎಡದಿಂದ ಬಲಕ್ಕೆ ಮಾತ್ರ ಮಾಡಬೇಕು.

(ಎಡ) D K & Ω # E S Y C + * A B @ R T % U \$ £ Q G (ಬಲ)

ಈ ಸರಣಿಯಲ್ಲಿನ ಎಷ್ಟು ಅಕ್ಷರಗಳು ತಮ್ಮ ತಕ್ಷಣದ ಹಿಂದೆ ಒಂದು ಅಕ್ಷರವನ್ನು ಮತ್ತು ತಮ್ಮ ತಕ್ಷಣದ ಮುಂದೆ ಒಂದು ಚಿಹ್ನೆಯನ್ನು ಹೊಂದಿವೆ?

A. 6

B. 3

C. 4

D. 5

Q54 General Intelligence and Reasoning

C, D, E, F, X, Y ಮತ್ತು Z ಎಂಬ ಪ್ರತಿಯೊಬ್ಬರಿಗೂ ಸೋಮವಾರದಿಂದ ಪ್ರಾರಂಭವಾಗಿ ಭಾನುವಾರದಂದು ಕೊನೆಗೊಳ್ಳುವಂತೆ ಒಂದೇ ವಾರದ ಬೇರೆಬೇರೆ ದಿನಗಳಲ್ಲಿ ಪರೀಕ್ಷೆ ಇದೆ.

D ಅವರಿಗಿಂತ ಮೊದಲು ಕೇವಲ ಇಬ್ಬರಿಗೆ ಪರೀಕ್ಷೆ ಇದೆ. C ಅವರ ನಂತರ ಕೇವಲ ಒಬ್ಬ ವ್ಯಕ್ತಿಗೆ ಪರೀಕ್ಷೆ ಇದೆ. D ಮತ್ತು Z ನಡುವೆ ಕೇವಲ ಮೂರು ಜನರಿಗೆ ಪರೀಕ್ಷೆ ಇದೆ. X ಮತ್ತು Y ನಡುವೆ ಕೇವಲ ಒಬ್ಬ ವ್ಯಕ್ತಿಗೆ ಪರೀಕ್ಷೆ ಇದೆ. F ಅವರಿಗೆ X ಅವರ ತಕ್ಷಣದ ಹಿಂದಿನ ದಿನ ಪರೀಕ್ಷೆ ಇದೆ. ಹಾಗಾದರೆ E ಮತ್ತು X ಅವರ ನಡುವೆ ಎಷ್ಟು ಜನರಿಗೆ ಪರೀಕ್ಷೆ ಇದೆ?

A. ಎರಡು

B. ನಾಲ್ಕು

C. ಒಂದು

D. ಮೂರು



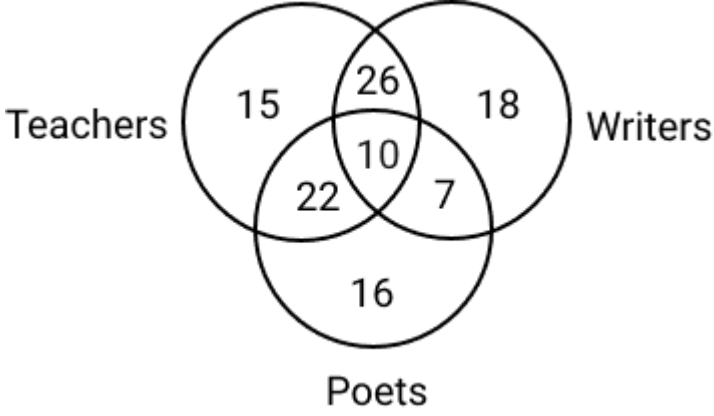
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Q55 General Intelligence and Reasoning

ನೀಡಿರುವ ವೆನ್ ರೇಖಾಚಿತ್ರವನ್ನು ಗಮನವಿಟ್ಟು ಅಧ್ಯಯನ ಮಾಡಿ ಮತ್ತು ಪ್ರಶ್ನೆಗೆ ಉತ್ತರಿಸಿ. ವಿವಿಧ ವಿಭಾಗಗಳಲ್ಲಿನ ಸಂಖ್ಯೆಗಳು ವ್ಯಕ್ತಿಗಳ ಸಂಖ್ಯೆಯನ್ನು ಸೂಚಿಸುತ್ತವೆ. (ಗಮನಿಸಿ: ನೀಡಿರುವ ಮಾಹಿತಿಯು ಸಾಮಾನ್ಯವಾಗಿ ತಿಳಿದಿರುವ ಸಂಗತಿಗಳಿಂದ ಭಿನ್ನವಾಗಿದ್ದರೂ ನೀವು ಅವುಗಳನ್ನು ನಿಜವೆಂದು ತೆಗೆದುಕೊಳ್ಳಬೇಕು.)

ಎಷ್ಟು ಕವಿಗಳು ಬರಹಗಾರರೂ ಆಗಿಲ್ಲ ಅಥವಾ ಶಿಕ್ಷಕರೂ ಆಗಿಲ್ಲ?



(Teachers = ಶಿಕ್ಷಕರು), (Writers = ಬರಹಗಾರರು), (Poets = ಕವಿಗಳು)

- A. 22
- B. 10
- C. 15
- D. 16



General Awareness

17 Questions • Answer Key

Q56 General Awareness

1984 ರಲ್ಲಿ ಭಾರತ ಸರ್ಕಾರವು ಸ್ಥಾಪಿಸಿದ 'ಸಾರ್ವಜನಿಕ ಉದ್ಯಮಗಳ ನೀತಿ ಪರಾಮರ್ಶನ ಸಮಿತಿ' ಯ ಅಧ್ಯಕ್ಷರು ಯಾರಾಗಿದ್ದರು?

- A. ಕೆ. ಕಸ್ತೂರಿರಂಗನ್
- B. ಎಸ್. ಎಸ್. ತಾರಾಪೂರ್
- C. ಸುಬಿಮಲ್ ದತ್
- D. ಅರ್ಜುನ್ ಸೇನ್‌ಗುಪ್ತ



Q57 General Awareness

ಭಾರತದ ಮಹಾ ಬಯಲುಗಳು ಚಪ್ಪಟೆಯಾಗಿರಲು ಪ್ರಮುಖ ಕಾರಣವೇನು?

- A. ಹಿಮನದಿಯಿಂದಾದ ಸವೆತ
- B. ನದಿ ಸಂಚಯ
- C. ಟೆಕ್ಟೋನಿಕ್ ಫಲಕದ ಮೇಲೇರುವಿಕೆ
- D. ಗಾಲಿಯಿಂದಾದ ಸವೆತ



Q58 General Awareness

'ಮಧ್ಯಮ-ಆದಾಯ ಬಲೆ' (Middle-Income Trap) ಎಂದರೆ _____.

- A. ವಿದೇಶಿ ನೆರವಿನ ಮೇಲೆ ಅತಿಯಾದ ಅವಲಂಬನೆ
- B. ಹೆಚ್ಚಿನ ಆದಾಯದ ಸ್ಥಿತಿಗೆ ತ್ವರಿತ ಪರಿವರ್ತನೆ
- C. ಹೆಚ್ಚಿನ ಆದಾಯದ ಸ್ಥಾನಮಾನವನ್ನು ಪಡೆಯಲು ಹೆಣಗಾಟ
- D. ಕೃಷಿಯ ಮೇಲೆ ವಿಶೇಷ ಗಮನ



Q59 General Awareness

ಭೂಮಿಯ ಮೇಲಿನ ಆಹಾರ ಸರಪಳಿಗಳು ಸಾಮಾನ್ಯವಾಗಿ 4-5 ಪೋಷಣಾ ಸ್ತರಗಳಿಗೆ ಏಕೆ ಸೀಮಿತವಾಗಿರುತ್ತವೆ?

- A. ವಿಘಟಕ ಜೀವಿಗಳು ಎಲ್ಲಾ ಶಕ್ತಿಯನ್ನು ಮರುಚಕ್ರೀಕರಣ ಮಾಡುತ್ತವೆ
- B. ಸಸ್ಯಗಳು ಕಡಿಮೆ ಆಮ್ಲಜನಕವನ್ನು ಉತ್ಪಾದಿಸುತ್ತವೆ
- C. ಉನ್ನತ ಪೋಷಣಾ ಸ್ತರಗಳಲ್ಲಿ ಶಕ್ತಿ ಕಡಿಮೆ ಲಭ್ಯತೆಯಿರುತ್ತದೆ
- D. ಪ್ರಮುಖ ಪರಭಕ್ಷಕಗಳು ಕಡಿಮೆ ತಿನ್ನುತ್ತವೆ



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Q60 General Awareness

ಸಂಸತ್ತಿನ ಎರಡೂ ಸದನಗಳ ಸದಸ್ಯರಲ್ಲದ ವ್ಯಕ್ತಿಯನ್ನು ಮಂತ್ರಿ ಮಂಡಳಿಗೆ ನೇಮಿಸಿದರೆ ಅವರು ಎಷ್ಟು ನಿರ್ದಿಷ್ಟ ಸಮಯಾವಧಿಯೊಳಗೆ ಯಾವುದಾದರೂ ಒಂದ ಸದನದ ಸದಸ್ಯರಾಗಬೇಕು?

A. 06 ತಿಂಗಳುಗಳು



B. 09 ತಿಂಗಳುಗಳು

C. 03 ತಿಂಗಳುಗಳು

D. 12 ತಿಂಗಳುಗಳು

Q61 General Awareness

ಮದ್ರಾಸ್‌ನಲ್ಲಿ ಇಂಡಿಯನ್ ಹೋಮ್ ರೂಲ್ ಲೀಗ್ ಅನ್ನು ಯಾರು ಸ್ಥಾಪಿಸಿದರು?

A. ಬಾಲ ಗಂಗಾಧರ್ ತಿಲಕ್

B. ಸುಭಾಷ್ ಚಂದ್ರ ಬೋಸ್

C. ಮಹಾತ್ಮ ಗಾಂಧಿ

D. ಅನ್ನಿ ಬೆಸೆಂಟ್

**Q62 General Awareness**

2025 ರ ಜಾಗತಿಕ ಫೈರ್‌ಪವರ್ ಸೂಚ್ಯಂಕದ (Global Firepower Index) ಪ್ರಕಾರ ಭಾರತೀಯ ವಾಯುಪಡೆಯ ಸ್ಥಾನ (rank) ಎಷ್ಟು?

A. ಏಳನೇ

B. ನಾಲ್ಕನೇ



C. ಐದನೇ

D. ಆರನೇ

Q63 General Awareness

ಕೆಳಗಿನ ಪಟ್ಟಿ-I (ವಿಶ್ವದ ಘಟನೆಗಳು) ಅನ್ನು ಪಟ್ಟಿ-II (ಫಲಿತಾಂಶಗಳು) ನೊಂದಿಗೆ ಹೊಂದಿಸಿ ಮತ್ತು ಕೆಳಗೆ ನೀಡಲಾದ ಸಂಕೇತದಿಂದ ನಿಮ್ಮ ಉತ್ತರವನ್ನು ಆರಿಸಿ.

ವಿಶ್ವದ ಘಟನೆಗಳು (ಪಟ್ಟಿ -I) ಫಲಿತಾಂಶ (ಪಟ್ಟಿ-II)

- ಮಾನವ ಪರಿಸರದ ಕುರಿತಾದ ವಿಶ್ವಸಂಸ್ಥೆಯ ಸಮ್ಮೇಳನ, 1972 i) ಸಹಸ್ರಮಾನ ಅಭಿವೃದ್ಧಿ ಗುರಿಗಳು (MDG)
- ಬ್ರಂಡ್‌ಲ್ಯಾಂಡ್ ವರದಿ, 1987 ii) ಸುಸ್ಥಿರ ಅಭಿವೃದ್ಧಿ ಗುರಿಗಳ (SDGs) ಅಳವಡಿಕೆ
- UN ಸಹಸ್ರಮಾನ ಶೃಂಗಸಭೆ, 2000 iii) ಪರಿಸರ ಚಳುವಳಿ
- UN ಶೃಂಗಸಭೆ, 2015 iv) 'ಸುಸ್ಥಿರ ಅಭಿವೃದ್ಧಿ' ಎಂಬ ಪದವನ್ನು ಪರಿಚಯಿಸಲಾಯಿತು

A. 1(i), 2(iv), 3(iii), 4(ii)

B. 1(i), 2(ii), 3(iv), 4(iii)

C. 1(i), 2(ii), 3(iii), 4(iv)

D. 1(iii), 2(iv), 3(i), 4(ii)

**Q64 General Awareness**

ರಾಷ್ಟ್ರೀಯತಾವಾದಿ ಚಟುವಟಿಕೆಗಳು ಉತ್ತುಂಗದಲ್ಲಿದ್ದ ಸಮಯದಲ್ಲಿ ಖೇಡಾ ಸತ್ಯಾಗ್ರಹವು ಅಹಮದಾಬಾದ್ ಗಿರಣಿ ಮುಷ್ಕರಕ್ಕಿಂತ ಹೇಗೆ ಭಿನ್ನವಾಗಿತ್ತು?

A. ಅದೇ ರಾಷ್ಟ್ರೀಯತಾವಾದಿ ವ್ಯಕ್ತಿಗಳ ಅಡಿಯಲ್ಲಿ ಸಾಮಾನ್ಯ ನಾಯಕತ್ವ

B. ಸಾಂವಿಧಾನಿಕ ಮತ್ತು ಶಾಸಕಾಂಗ ಬೇಡಿಕೆಗಳಿಗೆ ಒತ್ತು

C. ಒಂದೆಡೆ ಗ್ರಾಮೀಣ ರೈತರ ಸಜ್ಜುಗೊಳಿಸುವಿಕೆ ಮತ್ತು ಇನ್ನೊಂದೆಡೆ ನಗರ ಕಾರ್ಮಿಕರ ಸಂಘಟನೆ



D. ವಸಾಹತು ಅಧಿಕಾರಿಗಳಿಗೆ ಅರ್ಜಿಗಳು ಮತ್ತು ಮೇಲ್ಮನವಿಗಳ ಮೇಲಿನ ಅವಲಂಬನೆ

Q65 General Awareness

ಏಪ್ರಿಲ್ 2025 ರಲ್ಲಿ, ವಿಸ್ಡೆನ್ 2025 ಗೌರವ ಪಟ್ಟಿಯಲ್ಲಿ (honours list) ಯಾವ ಇಬ್ಬರು ಭಾರತೀಯ ಕ್ರಿಕೆಟಿಗರು ಸ್ಥಾನ ಪಡೆದಿದ್ದಾರೆ?

A. ರವೀಂದ್ರ ಜಡೇಜಾ ಮತ್ತು ಹರ್ಮನ್ ಪ್ರೀತ್ ಕೌರ್

B. ರವಿಚಂದ್ರನ್ ಅಶ್ವಿನ್ ಮತ್ತು ಜೆಮಿಮಾ ರೊಡ್ರಿಗಸ್

C. ರೋಹಿತ್ ಶರ್ಮಾ ಮತ್ತು ರೇಣುಕಾ ಠಾಕೂರ್

D. ಜಸ್ಪೀತ್ ಬುಮ್ರಾ ಮತ್ತು ಸ್ವತ್ತಿ ಮಂಧಾನ

**Q66 General Awareness**

ಈ ಕೆಳಗಿನ ಪ್ರತಿಪಾದನೆ (A) ಮತ್ತು ಕಾರಣ (R) ಎಂದು ಹೆಸರಿಸಲಾದ ಎರಡು ಹೇಳಿಕೆಗಳಿಗೆ ಸಂಬಂಧಿಸಿದಂತೆ ಸರಿಯಾದ ಆಯ್ಕೆಯನ್ನು ಆರಿಸಿ.

ಪ್ರತಿಪಾದನೆ (A): ಜೈವಿಕವಾಗಿ ವಿಘಟನೀಯವಾಗಬಲ್ಲ ತ್ಯಾಜ್ಯದ ಅತಿಯಾದ ಸಂಗ್ರಹವು ಪರಿಸರ ಸಮಸ್ಯೆಗಳನ್ನು ಉಂಟುಮಾಡಬಹುದು.

ಕಾರಣ (R): ನಿಧಾನಗತಿಯ ವಿಘಟನೀಯ ದುರ್ವಾಸನೆ ಮತ್ತು ರೋಗ ಹರಡಲು ಕಾರಣವಾಗಬಹುದು.

A. ಪ್ರತಿಪಾದನೆ ತಪ್ಪಾಗಿದೆ, ಆದರೆ ಕಾರಣ ನಿಜವಾಗಿದೆ

B. ಪ್ರತಿಪಾದನೆ ನಿಜವಾಗಿದೆ, ಆದರೆ ಕಾರಣ ತಪ್ಪಾಗಿದೆ

C. ಪ್ರತಿಪಾದನೆ ಮತ್ತು ಕಾರಣ ಎರಡೂ ನಿಜವಾಗಿವೆ, ಆದರೆ ಕಾರಣವು ಪ್ರತಿಪಾದನೆಯನ್ನು ಸರಿಯಾಗಿ ವಿವರಿಸುವುದಿಲ್ಲ

D. ಪ್ರತಿಪಾದನೆ ಮತ್ತು ಕಾರಣ ಎರಡೂ ನಿಜವಾಗಿವೆ, ಮತ್ತು ಕಾರಣವು ಪ್ರತಿಪಾದನೆಯನ್ನು ಸರಿಯಾಗಿ ವಿವರಿಸುತ್ತದೆ

**Q67 General Awareness**

ಜನವರಿ 2025 ರಲ್ಲಿ, ಭಾರತವು ಬಾಹ್ಯಾಕಾಶದಲ್ಲಿ ಎರಡು ಉಪಗ್ರಹಗಳನ್ನು ಯಶಸ್ವಿಯಾಗಿ ಜೋಡಿಸಿದ (docking) ವಿಶ್ವದ ನಾಲ್ಕನೇ ರಾಷ್ಟ್ರವಾಯಿತು. ಈ ಕಾರ್ಯಾಚರಣೆಯ ಹೆಸರೇನು?

A. ಚಂದ್ರಯಾನ-3

B. ಗಗನಯಾನ

C. ಸ್ಪಾಡೆಕ್ಸ್ (SpaDeX)



D. ಮಾರ್ಸ್ ಆರ್ಬಿಟರ್ (Mars Orbiter)



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Q68 General Awareness

ಅಕ್ಟೋಬರ್ 2024 ರಂದು ಬಿಡುಗಡೆಯಾದ ವಿಶ್ವ ನ್ಯಾಯ ಯೋಜನೆ (WJP) ಕಾನೂನು ನಿಯಮ ಸೂಚ್ಯಂಕ 2024 (World Justice Project(WJP) Rule of Law Index 2024) ರಲ್ಲಿ ಭಾರತವು 142 ದೇಶಗಳಲ್ಲಿ ಯಾವ ಸ್ಥಾನದಲ್ಲಿದೆ?

A. 79ನೇ



B. 14ನೇ

C. 52ನೇ

D. 10ನೇ

Q69 General Awareness

1998 ರಲ್ಲಿ ಪದ್ಮಭೂಷಣ ಪ್ರಶಸ್ತಿಯನ್ನು ಪಡೆದ ಭಾರತೀಯ ನೃತ್ಯಗಾರ ಗುರು ವೆಂಪತಿ ಚಿನ್ನ ಸತ್ಯಂ ಅವರು ಯಾವ ನೃತ್ಯ ಪ್ರಕಾರದೊಂದಿಗೆ ಗುರುತಿಸಿಕೊಂಡಿದ್ದಾರೆ?

A. ಕೂಚಿಪುಡಿ



B. ಕಥಕಳಿ

C. ಮಣಿಪುರಿ

D. ಮೋಹಿನಿಯಾಟ್ಟಂ

Q70 General Awareness

ಕೇಂದ್ರ ಸಚಿವರನ್ನು ಪ್ರಮಾಣ ವಚನ ಸ್ವೀಕರಿಸುವಾಗ ಅವರನ್ನು ಬದ್ಧವಾಗಿರುವ ಸರಿಯಾದ ಅನುಕ್ರಮ ಯಾವುದು?

A. ಸಂವಿಧಾನಕ್ಕೆ ಬದ್ಧತೆ → ಸಾರ್ವಭೌಮತ್ವ ಮತ್ತು ಅಖಂಡತೆ → ಕರ್ತವ್ಯಗಳ ನಿಷ್ಠೆಯಿಂದ ನಿರ್ವಹಣೆ → ನಿಷ್ಪಕ್ಷಪಾತ



B. ಅಖಂಡತೆ → ಸಂವಿಧಾನ → ಸಾರ್ವಭೌಮತ್ವ → ಕರ್ತವ್ಯ → ನಿಷ್ಪಕ್ಷಪಾತ (ಭಯ ಅಥವಾ ಪಕ್ಷಪಾತವಿಲ್ಲದೆ ನ್ಯಾಯ)

C. ಸಂವಿಧಾನ → ನ್ಯಾಯ → ಅಖಂಡತೆ → ಸಾರ್ವಭೌಮತ್ವ

D. ನಿಷ್ಠೆ → ಸಾರ್ವಭೌಮತ್ವ → ಕರ್ತವ್ಯ ಮತ್ತು ನಿಷ್ಪಕ್ಷಪಾತ → ನಿಷ್ಠೆಯಿಂದ ಕಾರ್ಯನಿರ್ವಹಣೆ

Q71 General Awareness

ಸಾಂಪ್ರದಾಯಿಕ ಟಾಂಗಲಿಯಾ ನೇಯ್ಗೆ ಕಲೆಯನ್ನು ಸಂರಕ್ಷಿಸಿದ್ದಕ್ಕಾಗಿ 2025 ರಲ್ಲಿ ಪದ್ಮಶ್ರೀ ಪ್ರಶಸ್ತಿಯನ್ನು ಪಡೆದವರು ಯಾರು?

A. ಪ್ರಶಾಂತ್ ಪ್ರಕಾಶ್

B. ಪವನ್ ಗೋಯೆಂಕಾ

C. ಪರಮಾರ್ ಲವಜಿಭಾಯ್ ನಾಗ್ಜಿಭಾಯ್



D. ವಿನಾಯಕ ಲೋಹನಿ

Q72 General Awareness

ಮಹಾ ಹಿಮಾಲಯದ ವಾಯುವ್ಯ ತುದಿಯಲ್ಲಿ ಯಾವ ಶಿಖರವಿದೆ?

A. ಕಾಂಚನಜುಂಗಾ

B. ನಾಮ್ಚಾ ಬರ್ವಾ

C. ನೆಂಗಾ ಪರ್ವತ



D. ಎವರೆಸ್ಟ್ ಶಿಖರ

General Science

28 Questions • Answer Key

Q73 General Science

ಒಂದು ಚೆಂಡನ್ನು ಮೇಜಿನ ಅಂಚಿನಲ್ಲಿ ಇರಿಸಿ ಅದನ್ನು ಹಾಗೆಯೇ ಬಿಡಲಾಗುತ್ತದೆ. ಚೆಂಡು ತನ್ನ ಸ್ಥಾನದಿಂದಾಗಿ ಮುಖ್ಯವಾಗಿ ಯಾವ ರೀತಿಯ ಶಕ್ತಿಯನ್ನು ಹೊಂದಿರುತ್ತದೆ ಮತ್ತು ಅದನ್ನು ಮೇಜಿನಿಂದ ತಳ್ಳಿದರೆ ಏನಾಗಬಹುದು?

A. ಚೆಂಡು ತನ್ನ ಆಕಾರದಿಂದಾಗಿ ಸ್ಥಿತಿಸ್ಥಾಪಕ ವಿಭವ ಶಕ್ತಿಯನ್ನು ಹೊಂದಿರುತ್ತದೆ

B. ಚೆಂಡು ರಾಸಾಯನಿಕ ಶಕ್ತಿಯನ್ನು ಹೊಂದಿರುತ್ತದೆ ಮತ್ತು ಅದು ಬಿದ್ದಾಗ ರಾಸಾಯನಿಕ ಶಕ್ತಿಯನ್ನು ಬಿಡುಗಡೆ ಮಾಡುತ್ತದೆ

C. ಚೆಂಡು ವಿಭವ ಶಕ್ತಿಯನ್ನು ಹೊಂದಿದ್ದು, ಬೀಳುತ್ತಿದ್ದಂತೆ ಅದು ಚಲನ ಶಕ್ತಿಯನ್ನಾಗಿ ಪರಿವರ್ತನೆಯಾಗುತ್ತದೆ



D. ಚೆಂಡು ಚಲನ ಶಕ್ತಿಯನ್ನು ಹೊಂದಿರುತ್ತದೆ ಮತ್ತು ಅದರ ಮೇಲೆ ಬಲವು ಕಾರ್ಯನಿರ್ವಹಿಸದ ಹೊರತು ಅದು ನಿಶ್ಚಲವಾಗಿರುತ್ತದೆ

Q74 General Science

ಒಬ್ಬ ವಿಜ್ಞಾನಿಯು ಪ್ರಸರಣವು ತರಂಗಾಂತರವನ್ನು ಅವಲಂಬಿಸಿರುತ್ತದೆ ಎಂಬುದರ ಪ್ರಾತ್ಯಕ್ಷಿಕೆಯನ್ನು ಪ್ರದರ್ಶಿಸಲು ಬಯಸುತ್ತಾಳೆ. ಆಕೆ ಒಂದು ಪಟ್ಟಕದ ಮೂಲಕ ಏಕವರ್ಣದ ಕೆಂಪು ಬೆಳಕನ್ನು ಬಿಡುತ್ತಾಳೆ. ಈಗ ಅವರು ಯಾವ ವಿದ್ಯಮಾನವನ್ನು ಗಮನಿಸುತ್ತಾರೆ ಮತ್ತು ಆ ವಿದ್ಯಮಾನವು ಏಕೆ ಉಂಟಾಗುತ್ತದೆ?

A. ಹಲವು ಕೆಂಪು ಕಿರಣಗಳು, ಪ್ರತಿಯೊಂದೂ ಬೇರೆಬೇರೆ ಕೋನಗಳಲ್ಲಿ ಹೊರಬರುತ್ತವೆ

B. ಒಂದೇ ತರಂಗಾಂತರ ಇರುವುದರಿಂದ ಯಾವುದೇ ರೋಹಿತವು ರೂಪುಗೊಳ್ಳುವುದಿಲ್ಲ



C. ಕೆಂಪು ಬೆಳಕು ಹೀರಲ್ಪಡುತ್ತದೆ, ಆದ್ದರಿಂದ ಯಾವ ಬೆಳಕು ಸಹ ಹೊರಬರುವುದಿಲ್ಲ

D. ಎಲ್ಲಾ ಬಣ್ಣಗಳನ್ನು ತೋರಿಸುವ ಒಂದು ಪೂರ್ಣ ರೋಹಿತವು ಕಾಣಿಸಿಕೊಳ್ಳುತ್ತದೆ



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Q75 General Science

ರೈತರು ತಮ್ಮ ಫಸಲಿನಲ್ಲಿ ಪ್ರೋಟೀನ್ ಅಂಶವನ್ನು ಹೆಚ್ಚಿಸಲು ಬಯಸಿದರೆ ಯಾವ ಬೆಳೆಯ ಕೃಷಿ ಮಾಡುವುದನ್ನು ಪರಿಗಣಿಸಬೇಕು?

A. ಎಣ್ಣೆ ಕಾಳುಗಳು

B. ಬೇಳೆಕಾಳುಗಳು ✓

C. ಧಾನ್ಯಗಳು

D. ತರಕಾರಿಗಳು ಮತ್ತು ಮಸಾಲೆ ಬೆಳೆಗಳು

Q76 General Science

ಈ ಕೆಳಗಿನ ಯಾವ ಲೋಹವು ಅಧಿಕ ಹೈಡ್ರೋಕ್ಸೋರಿಕ್ ಆಮ್ಲದೊಂದಿಗೆ ವರ್ತಿಸುವಾಗ ಅತ್ಯಂತ ಹೆಚ್ಚಿನ ಶಾಖವನ್ನು ಬಿಡುಗಡೆ ಮಾಡುತ್ತದೆ?

A. ನಿಕಲ್

B. ಸತು

C. ಕಬ್ಬಿಣ

D. ಮೆಗ್ನೀಸಿಯಮ್ ✓

Q77 General Science

ಸತುವಿನ ಕಾರ್ಬೋನೇಟ್ ಅದಿರನ್ನು ಅಪಕರ್ಷಣಗೊಳಿಸುವ ಮೊದಲು ಸತುವಿನ ಆಕ್ಸೈಡ್ ಆಗಿ ಪರಿವರ್ತಿಸಲು ಯಾವ ಪ್ರಕ್ರಿಯೆಯನ್ನು ಬಳಸಲಾಗುತ್ತದೆ?

A. ಅಲ್ಯೂಮಿನಿಯಂ ಪುಡಿಯೊಂದಿಗೆ ಬಿಸಿ ಮಾಡುವುದು

B. ಸೀಮಿತ ಗಾಳಿಯಲ್ಲಿ ಪ್ರಬಲವಾಗಿ ಬಿಸಿ ಮಾಡುವುದು ✓

C. ಹೆಚ್ಚು ಗಾಳಿಯಲ್ಲಿ ಪ್ರಬಲವಾಗಿ ಬಿಸಿ ಮಾಡುವುದು

D. ಇಂಗಾಲದ ಪುಡಿಯೊಂದಿಗೆ ಬಿಸಿ ಮಾಡುವುದು

Q78 General Science

ಪಾದರಸವನ್ನು ಸಿನ್ನಬಾರ್ ಅದಿರಿನಿಂದ ನೇರ ಅಪಕರ್ಷಣ ಮಾಡುವ ಬದಲು ಎರಡು ತಾಪನದ ಹಂತಗಳ ಮೂಲಕ ಪಡೆಯಲಾಗುತ್ತದೆ, ಏಕೆ?

A. ಪಾದರಸದ ಸಲ್ಫೈಡ್ ಮೊದಲು ಆಕ್ಸೈಡ್ ಆಗಿ ಬದಲಾಗಬೇಕು ✓

B. ಪಾದರಸ ಸಲ್ಫೈಡ್ ವಿಭಜನ ಕ್ರಿಯೆಗೆ ಒಳಪಡುವ ಮೊದಲು ಕರಗುತ್ತದೆ

C. ಪಾದರಸ ಲೋಹವು ಬಿಸಿ ಮಾಡಿದಾಗ ಆಮ್ಲಜನಕದೊಂದಿಗೆ ವರ್ತಿಸುತ್ತದೆ

D. ಪಾದರಸದ ಆಕ್ಸೈಡ್ ಗಾಳಿಯ ಅನುಪಸ್ಥಿತಿಯಲ್ಲಿ ಮಾತ್ರ ರೂಪುಗೊಳ್ಳುತ್ತದೆ

Q79 General Science

ಒಬ್ಬ ವಿದ್ಯಾರ್ಥಿಯು ವಿದ್ಯುತ್ ಪ್ರವಹಿಸುತ್ತಿರುವ ಒಂದು ತಂತಿಯ ಬಳಿ ಒಂದು ದಿಕ್ಕುಚಲನೆಯನ್ನು ತಂದಾಗ ಅದರ ಮುಳ್ಳು ವಿಚಲಿಸುವುದನ್ನು ಗಮನಿಸುತ್ತಾನೆ. ಕಾಂತ ಕ್ಷೇತ್ರಗಳ ಕುರಿತಾದ ನಿಮ್ಮ ತಿಳುವಳಿಕೆಯನ್ನು ಬಳಸಿಕೊಂಡು, ಇದು ಏಕೆ ಸಂಭವಿಸುತ್ತದೆ ಎಂಬುದನ್ನು ವಿವರಿಸಿ.

A. ತಂತಿಯಿಂದ ಉಂಟಾಗುವ ಗುರುತ್ವಾಕರ್ಷಣ ಪರಿಣಾಮವು ಮುಳ್ಳನ್ನು ಚಲಿಸುವಂತೆ ಮಾಡುತ್ತದೆ

B. ವಿದ್ಯುತ್ ಪ್ರವಾಹವಿರುವ ತಂತಿಯು ಉತ್ಪಾದಿಸುವ ಕಾಂತಕ್ಷೇತ್ರವು ದಿಕ್ಕುಚಲನೆಯ ಮುಳ್ಳಿನ ಮೇಲೆ ಬಲವನ್ನು ಬೀರುತ್ತದೆ ✓

C. ತಂತಿಯು ಉತ್ಪಾದಿಸುವ ವಿದ್ಯುತ್ ಬಲವು ದಿಕ್ಕುಚಲನೆಯ ಮುಳ್ಳಿನ ಮೇಲೆ ವರ್ತಿಸುತ್ತದೆ

D. ತಂತಿಯು ಬಿಸಿಯಾಗುತ್ತದೆ, ಇದರಿಂದಾಗಿ ಗಾಳಿಯ ಹರಿವು ದಿಕ್ಕುಚಲನೆಯ ಮುಳ್ಳನ್ನು ಚಲಿಸುವಂತೆ ಮಾಡುತ್ತದೆ

Q80 General Science

ನಿರ್ದಿಷ್ಟ ಬಣ್ಣ ಮತ್ತು ಮಾಧ್ಯಮದ ಜೋಡಿಯಲ್ಲಿ ಪತನ ಕೋನದ ಸೈನ್ ಮತ್ತು ವಕ್ರೀಭವನ ಕೋನದ ಸೈನ್ ನಡುವಿನ ಅನುಪಾತದ ಬಗ್ಗೆ ಸ್ನೇಲ್‌ನ ವಕ್ರೀಭವನ ನಿಯಮವು ಏನು ಹೇಳುತ್ತದೆ?

A. ಅದು ಸ್ಥಿರವಾಗಿರುತ್ತದೆ ✓

B. ಅದು ಕನ್ನಡಿಯ ಪ್ರಕಾರವನ್ನು ಅವಲಂಬಿಸಿರುತ್ತದೆ

C. ಅದು ಪತನ ಕೋನಕ್ಕೆ ಅನುಗುಣವಾಗಿ ಬದಲಾಗುತ್ತದೆ

D. ಅದು ಲಂಬಕ್ಕೆ ಅನುಗುಣವಾಗಿ ಬದಲಾಗುತ್ತದೆ

Q81 General Science

ಈ ಕೆಳಗೆ ನೀಡಲಾದ ಎರಡು ಹೇಳಿಕೆಗಳನ್ನು ಪರಿಶೀಲಿಸಿ ಮತ್ತು ಸರಿಯಾದ ಆಯ್ಕೆಯನ್ನು ಆರಿಸಿ.

ಹೇಳಿಕೆ A: ಹೈನು ಪ್ರಾಣಿಗಳನ್ನು ಪ್ರಮುಖವಾಗಿ ಹಾಲು ಉತ್ಪಾದನೆಗಾಗಿ ಸಾಕಲಾಗುತ್ತದೆ.

ಹೇಳಿಕೆ B: ಹೈನು ಪ್ರಾಣಿಗಳನ್ನು ಮುಖ್ಯವಾಗಿ ಕೃಷಿ ಹೊಲಗಳನ್ನು ಉಳುಮೆ ಮಾಡಲು ಬಳಸಲಾಗುತ್ತದೆ.

A. ಹೇಳಿಕೆ A ಸರಿಯಾಗಿದೆ ಆದರೆ ಹೇಳಿಕೆ B ತಪ್ಪಾಗಿದೆ ✓

B. ಹೇಳಿಕೆ A ತಪ್ಪಾಗಿದೆ ಆದರೆ ಹೇಳಿಕೆ B ಸರಿಯಾಗಿದೆ

C. A ಮತ್ತು B ಎರಡೂ ಹೇಳಿಕೆಗಳು ತಪ್ಪಾಗಿವೆ

D. A ಮತ್ತು B ಎರಡೂ ಹೇಳಿಕೆಗಳು ಸರಿಯಾಗಿವೆ



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Q82 General Science

ಕೋಶಕೇಂದ್ರವು ವರ್ಣತಂತುಗಳನ್ನು ಹೊಂದಿರುತ್ತದೆ ಮತ್ತು ಅವು ಕೋಶವಿಭಜನೆಯ ಹಂತದಲ್ಲಿ ಮಾತ್ರ ಸರಳಿನಾಕಾರದ ರಚನೆಗಳಾಗಿ ಕಾಣಿಸಿಕೊಳ್ಳುತ್ತವೆ. ಈ ವರ್ಣತಂತುಗಳು _____ ನಿಂದ ಕೂಡಿರುತ್ತದೆ.

- A. ಅಮೈನೋ ಆಮ್ಲಗಳು ಮತ್ತು ಕಾರ್ಬೋಹೈಡ್ರೇಟ್‌ಗಳು
- B. ಗ್ಲೂಕೋಸ್ ಮತ್ತು ಕಿಣ್ವಗಳು
- C. ಡಿಎನ್‌ಎ ಮತ್ತು ಪ್ರೋಟೀನುಗಳು ✓
- D. ಆರ್‌ಎನ್‌ಎ ಮತ್ತು ಮೇದಸ್ಸುಗಳು

Q83 General Science

ಆಮ್ಲಜನಕಯುಕ್ತ ಉಸಿರಾಟದ ಸಮಯದಲ್ಲಿ ಪ್ರತಿಯೊಂದು ಪೈರುವೇಟ್ ಅಣುವು ವಿಭಜನೆಗೊಂಡು _____ ಇಂಗಾಲದ ಡೈಆಕ್ಸೈಡ್ ಅಣುಗಳನ್ನು ನೀಡುತ್ತದೆ.

- A. ನಾಲ್ಕು
- B. ಮೂರು ✓
- C. ಎರಡು
- D. ಒಂದು

Q84 General Science

20 m ಎತ್ತರದ ಒಂದು ಕಟ್ಟಡದ ತುದಿಯಿಂದ ನಿಶ್ಚಲ ಸ್ಥಿತಿಯಲ್ಲಿರುವ ಒಂದು ಚೆಂಡನ್ನು ಬೀಳಿಸಲಾಗುತ್ತದೆ. ಅದು ನೆಲಕ್ಕೆ ಅಪ್ಪಳಿಸುವ ವೇಗವನ್ನು ಲೆಕ್ಕಹಾಕಿರಿ. ($g = 10 \text{ m/s}^2$ ತೆಗೆದುಕೊಳ್ಳಿ)

- A. 20 m/s ✓
- B. 14 m/s
- C. 10 m/s
- D. 40 m/s

Q85 General Science

ಮೀಥೇನ್ ಸಂಪೂರ್ಣ ಮತ್ತು ಅಪೂರ್ಣ ದಹನದ ಉತ್ಪನ್ನಗಳನ್ನು ಹೋಲಿಕೆ ಮಾಡಿ:

- A. ಸಂಪೂರ್ಣ $\rightarrow \text{CO} + \text{H}_2\text{O}$; ಅಪೂರ್ಣ $\rightarrow \text{C} + \text{H}_2\text{O}$
- B. ಸಂಪೂರ್ಣ $\rightarrow \text{CO}_2 + \text{H}_2\text{O}$; ಅಪೂರ್ಣ $\rightarrow \text{CO} + \text{H}_2\text{O}$ ✓
- C. ಸಂಪೂರ್ಣ $\rightarrow \text{CO}_2$ ಮಾತ್ರ; ಅಪೂರ್ಣ $\rightarrow \text{H}_2\text{O}$ ಮಾತ್ರ
- D. ಸಂಪೂರ್ಣ $\rightarrow \text{CO} + \text{H}_2\text{O}$; ಅಪೂರ್ಣ $\rightarrow \text{CO}_2 + \text{H}_2\text{O}$

Q86 General Science

ಮಂಜುಗಡ್ಡೆ ಕರಗುವಾಗ, ಬಿಸಿ ಮಾಡಿದಾಗಲೂ ಸಹ ತಾಪಮಾನವು ಸ್ಥಿರವಾಗಿರಲು ಕಾರಣವೇನು?

- A. ಶಾಖಶಕ್ತಿಯು ಮಂಜುಗಡ್ಡೆಯಿಂದ ಬಿಡುಗಡೆಯಾಗಿ ವಾತಾವರಣಕ್ಕೆ ಸೇರುತ್ತದೆ
- B. ಉಷ್ಣ ಶಕ್ತಿಯು ನೇರವಾಗಿ ಕೆಲಸವಾಗಿ ಪರಿವರ್ತನೆಗೊಳ್ಳುತ್ತದೆ
- C. ಉಷ್ಣ ಶಕ್ತಿಯು ಚಲನ ಶಕ್ತಿಯನ್ನು ತಕ್ಷಣವೇ ಹೆಚ್ಚಿಸುತ್ತದೆ
- D. ಕಣಗಳ ಆಕರ್ಷಣೆಯನ್ನು ಮೀರಿ ಹೊರಬರಲು ಉಷ್ಣ ಶಕ್ತಿಯ ಬಳಕೆಯಾಗುತ್ತದೆ ✓

Q87 General Science

ಮಧ್ಯದ ದೊಡ್ಡ ಕುಹರವು ಈ ಕೆಳಗಿನ ಯಾವ ಜೀವಕೋಶದ ವಿಶಿಷ್ಟ ಲಕ್ಷಣವಾಗಿದೆ?

- A. ಸಸ್ಯ ಜೀವಕೋಶಗಳು ✓
- B. ಪ್ರಾಣಿ ಜೀವಕೋಶಗಳು
- C. ಬ್ಯಾಕ್ಟೀರಿಯಾದ ಜೀವಕೋಶಗಳು
- D. ಪ್ರೋಟೋಜೋವಾದ ಜೀವಕೋಶಗಳು

Q88 General Science

ಭೂಮಿಯ ಮೇಲ್ಮೈ ಹತ್ತಿರದಲ್ಲಿ ವಸ್ತುವೊಂದು ಮುಕ್ತವಾಗಿ ಬೀಳುತ್ತಿರುವಾಗ, ಒಂದುವೇಳೆ ಗಾಳಿಯ ರೋಧವನ್ನು ನಿರ್ಲಕ್ಷಿಸಿದರೆ ಈ ಕೆಳಗಿನ ಯಾವ ಭೌತಿಕ ಪರಿಮಾಣವು ಸ್ಥಿರವಾಗಿರುತ್ತದೆ?

- A. ವೇಗವು ಸ್ಥಿರವಾಗಿರುತ್ತದೆ
- B. ಗುರುತ್ವಾಕರ್ಷಣೆಯಿಂದ ಉಂಟಾಗುವ ವೇಗೋತ್ಕರ್ಷವು ಸ್ಥಿರವಾಗಿರುತ್ತದೆ ✓
- C. ಸಂವೇಗವು ಸ್ಥಿರವಾಗಿರುತ್ತದೆ
- D. ಶಕ್ತಿಯು ಸ್ಥಿರವಾಗಿರುತ್ತದೆ

Q89 General Science

ತುಕ್ಕು ಹಿಡಿಯುವುದನ್ನು ತಡೆಗಟ್ಟಲು ಕಬ್ಬಿಣದ ಮೊಳೆಗಳನ್ನು ಸತುವಿನಿಂದ ಲೇಪಿಸಲಾಗುತ್ತದೆ. ಸತುವಿನ ಪದರವು ಗೀಚಿದರೂ ಸಹ, ತುಕ್ಕು ಹಿಡಿಯುವುದಿಲ್ಲ ಏಕೆಂದರೆ:

- A. ಸತುವಿನ ಉಪಸ್ಥಿತಿಯಲ್ಲಿ ಕಬ್ಬಿಣವು ಕಲೆರಹಿತ ಆಗುತ್ತದೆ
- B. ಸತುವು ಗಟ್ಟಿಯಾದ ಆಕ್ಸೈಡ್ ಪದರವನ್ನು ರೂಪಿಸುತ್ತದೆ
- C. ಸತುವು ತೇವಾಂಶದೊಂದಿಗೆ ಪ್ರತಿಕ್ರಿಯಿಸಿ ರಕ್ಷಣಾತ್ಮಕ ಪದರವನ್ನು ರೂಪಿಸುತ್ತದೆ
- D. ಸತುವು ಧನ(ವಿದ್ಯುತ್)ದ್ವಾರದಂತೆ ಕರಗಿ ಕಬ್ಬಿಣದ ಬದಲು ತಾನು ಸಂಕ್ಷಾರಣಗೊಳ್ಳುತ್ತದೆ ✓



Q90 General Science

ಕೃಷಿ ಜಾನುವಾರುಗಳಿಗೆ ಲಸಿಕೆ ಹಾಕುವ ಮುಖ್ಯ ಉದ್ದೇಶವೇನು?

A. ವೈರಸ್ ಮತ್ತು ಬ್ಯಾಕ್ಟೀರಿಯಾಗಳಿಂದ ಬರುವ ಪ್ರಮುಖ ಕಾಯಿಲೆಗಳಿಂದ ಪ್ರಾಣಿಗಳನ್ನು ರಕ್ಷಿಸುವುದು ✓

B. ಹಾಲಿನ ಉತ್ಪಾದನೆಯನ್ನು ಹೆಚ್ಚಿಸುವುದು

C. ಬಾಹ್ಯ ಪರಾವಲಂಬಿಗಳ ದಾಳಿಗಳನ್ನು ತಡೆಗಟ್ಟುವುದು

D. ಪಶು ಆಹಾರದ ಗುಣಮಟ್ಟವನ್ನು ಸುಧಾರಿಸುವುದು

Q91 General Science

ಒಂದು ದ್ವಿ-ಪೀನ ಮಸೂರವು ವಸ್ತುವಿನ ಎರಡು ಪಟ್ಟು ದೊಡ್ಡದಾದ, ನೈಜ, ತಲೆಕೆಳಗಾದ ಬಿಂಬವನ್ನು ಮೂಡಿಸುತ್ತದೆ. ಮಸೂರಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ ವಸ್ತುವು ಎಲ್ಲಿದೆ?

A. ಮಸೂರದಿಂದ ಸಂಗಮ ದೂರದಲ್ಲಿ

B. ಮಸೂರದಿಂದ ಸಂಗಮ ದೂರದ ಎರಡು ಪಟ್ಟು ದೂರದಲ್ಲಿದೆ

C. ಮಸೂರದಿಂದ ದುಪ್ಪಟ್ಟು ಸಂಗಮ ದೂರದ ಆಚೆಗೆ

D. ಮಸೂರದ ಒಂದು ಸಂಗಮದೂರ ಮತ್ತು ಮಸೂರದ ದುಪ್ಪಟ್ಟು ಸಂಗಮ ದೂರದ ನಡುವೆ ✓

Q92 General Science

ಈ ಕೆಳಗಿನ ಯಾವ ಪ್ರಕಾರದ ಗೋಳೀಯ ದರ್ಪಣದ ಪ್ರತಿಫಲಿಸುವ ಮೇಲ್ಮೈ ಒಳಮುಖವಾಗಿ ಬಾಗಿರುತ್ತದೆ ಮತ್ತು ಗೋಳದ ಕೇಂದ್ರದ ಕಡೆಗೆ ಮುಖ ಮಾಡಿರುತ್ತದೆ?

A. ಪರವಲೀಯ ದರ್ಪಣ

B. ಪೀನ ದರ್ಪಣ

C. ನಿಮ್ನ ದರ್ಪಣ ✓

D. ಸಮತಲ ದರ್ಪಣ

Q93 General Science

ಒಂದು ವಿದ್ಯುತ್ ಇಸ್ತ್ರಿ ಪೆಟ್ಟಿಗೆಯು ಶುದ್ಧ ಲೋಹದ ಬದಲಿಗೆ ಮಿಶ್ರಲೋಹದಿಂದ ಮಾಡಿದ ಬಿಸಿಯಾಗುವ ತಂತುವನ್ನು ಬಳಸುತ್ತದೆ. ಮಿಶ್ರಲೋಹಗಳ ಯಾವ ಗುಣವು ಈ ಆಯ್ಕೆಯನ್ನು ಸಮರ್ಥಿಸುತ್ತದೆ?

A. ಮಿಶ್ರಲೋಹಗಳು ಹೆಚ್ಚಿನ ರೋಧತೆಯನ್ನು ಹೊಂದಿರುತ್ತವೆ ಮತ್ತು ಹೆಚ್ಚಿನ ತಾಪಮಾನದಲ್ಲಿ ಸುಲಭವಾಗಿ ಉತ್ಕರ್ಷಣಗೊಳ್ಳುವುದಿಲ್ಲ ✓

B. ಮಿಶ್ರಲೋಹಗಳು ಕಡಿಮೆ ರೋಧತೆಯನ್ನು ಹೊಂದಿರುತ್ತವೆ

C. ಮಿಶ್ರಲೋಹಗಳು ಉತ್ತಮ ವಾಹಕಗಳಾಗಿವೆ

D. ಮಿಶ್ರಲೋಹಗಳು ಅಗ್ಗವಾಗಿರುತ್ತವೆ

Q94 General Science

ಒಂದು ಕಾರು ಉತ್ತರ ದಿಕ್ಕಿನಲ್ಲಿ 10 ಸೆಕೆಂಡುಗಳಲ್ಲಿ 120 ಮೀಟರ್ ದೂರಕ್ಕೆ ಪ್ರಯಾಣಿಸುತ್ತದೆ ಮತ್ತು ಮುಂದಿನ 10 ಸೆಕೆಂಡುಗಳಲ್ಲಿ ತಕ್ಷಣವೇ ತನ್ನ ಮೂಲ ಸ್ಥಾನಕ್ಕೆ ಮರಳುತ್ತದೆ. ಹಾಗಾದರೆ ಈ ಕೆಳಗಿನವುಗಳಲ್ಲಿ ಯಾವ ಹೇಳಿಕೆಯು ಇಡೀ ಪ್ರಯಾಣದಲ್ಲಿ ಕಾರಿನ ಸರಾಸರಿ ಜವವನ್ನು ಕುರಿತು ಅತ್ಯುತ್ತಮವಾಗಿ ವಿವರಿಸುತ್ತದೆ?

A. ಒಟ್ಟು ದೂರವು 20 ಸೆಕೆಂಡುಗಳಲ್ಲಿ 240 m ಆಗಿರುವುದರಿಂದ ಸರಾಸರಿ ವೇಗವು 6 m/s ಆಗಿದೆ

B. ಒಟ್ಟು ಸಮಯವು 10 ಸೆಕೆಂಡುಗಳು ಆಗಿರುವುದರಿಂದ ಸರಾಸರಿ ವೇಗ 12 m/s ಆಗಿದೆ

C. ಸ್ಥಾನಪಲ್ಲಟವು ಶೂನ್ಯವಾಗಿರುವುದರಿಂದ ಸರಾಸರಿ ವೇಗವು ಶೂನ್ಯವಾಗಿದೆ ✓

D. ಕಾರು 10 ಸೆಕೆಂಡುಗಳಲ್ಲಿ 120 m ಕ್ರಮಿಸಿದ್ದರಿಂದ ಸರಾಸರಿ ವೇಗವು 12 m/s ಆಗಿದೆ

Q95 General Science

ಅತಿಯಾದ ವ್ಯಾಯಾಮದ ಸಮಯದಲ್ಲಿ ಸ್ನಾಯುಕೋಶಗಳು ಕೆಲವೊಮ್ಮೆ ಅಮ್ಲಜನಕರಹಿತವಾಗಿ ಉಸಿರಾಡಲು ಕಾರಣವೇನು?

A. ಏಕೆಂದರೆ ಲ್ಯಾಕ್ಟಿಕ್ ಆಮ್ಲದ ಅಗತ್ಯವಿರುತ್ತದೆ

B. ಏಕೆಂದರೆ ದೇಹವು ಶಕ್ತಿಯನ್ನು ಶೇಖರಿಸಲು ಬಯಸುತ್ತದೆ

C. ಏಕೆಂದರೆ ಅಮ್ಲಜನಕದ ಪೂರೈಕೆ ಸೀಮಿತವಾಗಿರುತ್ತದೆ ✓

D. ಏಕೆಂದರೆ ಗ್ಲೂಕೋಸ್ ಲಭ್ಯವಿರುವುದಿಲ್ಲ

Q96 General Science

ಅಡುಗೆ ಸೋಡಾವನ್ನು (NaHCO_3) ಸಾಮಾನ್ಯವಾಗಿ ಅಡುಗೆ ಮಾಡಲು ಬಳಸಲಾಗುತ್ತದೆ. ಅಡುಗೆ ಸೋಡಾ ಕುರಿತು ಈ ಕೆಳಗಿನ ಯಾವ ಹೇಳಿಕೆಯು ಸರಿಯಾಗಿದೆ?

A. ಇದು ನೀರು ಅಥವಾ ಆಮ್ಲಗಳೊಂದಿಗೆ ವರ್ತಿಸುವುದಿಲ್ಲ

B. ಅದು ಗುಣದಲ್ಲಿ ಆಮ್ಲೀಯವಾಗಿದೆ ಮತ್ತು $\text{pH} < 7$ ಹೊಂದಿದೆ

C. ಇದು ಆಮ್ಲಗಳೊಂದಿಗೆ ವರ್ತಿಸಿ ಇಂಗಾಲದ ಡೈಆಕ್ಸೈಡ್ ಅನಿಲವನ್ನು ಬಿಡುಗಡೆ ಮಾಡುತ್ತದೆ ✓

D. ಇದು ಕೆಂಪು ಲಿಟ್ಮಸ್ ಅನ್ನು ನೀಲಿ ಬಣ್ಣಕ್ಕೆ ತಿರುಗಿಸುವ ಒಂದು ಪ್ರಬಲವಾದ ಪ್ರತ್ಯಾಮ್ಲವಾಗಿದೆ

Q97 General Science

ಪ್ರಕಾಶಮಾನವಾದ ಲೋಹವು ಆಕ್ಸಿಡೀಕರಣದಿಂದಾಗಿ ಕಾಲಕ್ರಮೇಣ ಹೊಳಪು ಕಳೆದುಕೊಳ್ಳುತ್ತದೆ. ಈ ಪ್ರಕ್ರಿಯೆಯನ್ನು ಏನೆಂದು ಕರೆಯಲಾಗುತ್ತದೆ?

A. ಶೋಧನೆ

B. ಆವಿಯಾಗುವಿಕೆ

C. ಲೋಹದ ಸವೆತ (Corrosion) ✓

D. ಉತ್ಪನ್ನ (Sublimation)



Q98 General Science

ಕೆಳಗೆ ನೀಡಲಾದ ಎರಡು ಹೇಳಿಕೆಗಳನ್ನು ಪರಿಶೀಲಿಸಿ ಮತ್ತು ಸರಿಯಾದ ಆಯ್ಕೆಯನ್ನು ಆರಿಸಿ.

ಹೇಳಿಕೆ A: ಕಳಪೆ ಶೇಖರಣಾ ಪರಿಸ್ಥಿತಿಗಳು ತೂಕ ನಷ್ಟ ಮತ್ತು ಧಾನ್ಯಗಳ ಬಣ್ಣ ಮಾಸುವಿಕೆಗೆ ಕಾರಣವಾಗುತ್ತವೆ.

ಹೇಳಿಕೆ B: ಕಳಪೆ ಶೇಖರಣಾ ಪರಿಸ್ಥಿತಿಗಳು ಬೀಜದ ಬಾಳಿಕೆಯ ಅವಧಿ ಮತ್ತು ಧಾನ್ಯದ ಸಂರಚನೆಯನ್ನು ಉತ್ತಮವಾಗಿಸುತ್ತವೆ.

A. ಹೇಳಿಕೆ A ತಪ್ಪಾಗಿದೆ ಆದರೆ B ಸರಿಯಾಗಿದೆ

B. A ಮತ್ತು B ಎರಡೂ ಹೇಳಿಕೆಗಳು ತಪ್ಪಾಗಿವೆ

C. ಹೇಳಿಕೆ A ಸರಿ ಆದರೆ B ತಪ್ಪಾಗಿದೆ.

D. A ಮತ್ತು B ಎರಡೂ ಹೇಳಿಕೆಗಳು ಸರಿಯಾಗಿವೆ

Q99 General Science

ಎರಡು ಪಾತ್ರೆಗಳ ನಡುವೆ ದ್ರವವನ್ನು ವರ್ಗಾಯಿಸುವಾಗ ಯಾವ ಅಳೆಯಬಹುದಾದ ಪ್ರಮಾಣವು ಒಂದೇ ಆಗಿರುತ್ತದೆ?

A. ದ್ರವದ ಪರಿಮಾಣವು ಬದಲಾಗದೆ ಉಳಿಯುತ್ತದೆ

B. ದ್ರವದ ದ್ರವ್ಯರಾಶಿ ಶೂನ್ಯವಾಗುತ್ತದೆ

C. ದ್ರವದ ಸಾಂದ್ರತೆಯು ಯಾವಾಗಲೂ ಹೆಚ್ಚಾಗುತ್ತದೆ

D. ದ್ರವದ ಆಕಾರವು ಬದಲಾಗದೆ ಉಳಿಯುತ್ತದೆ

Q100 General Science

ಆಲ್ಕೀನ್‌ಗಳಲ್ಲಿ (alkenes) ಇಂಗಾಲ ಮತ್ತು ಜಲಜನಕ ಪರಮಾಣುಗಳ ಸಂಖ್ಯೆಯ ನಡುವಿನ ಸರಿಯಾದ ಸಂಬಂಧ ಯಾವುದು?

A. C_nH_{2n+2}

B. C_nH_{2n-2}

C. C_nH_{2n+4}

D. C_nH_{2n}



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Mathematics

31 Questions • Answer Key

Q1 Mathematics ENGLISH

Kiran has borrowed an amount of ₹4,40,000 from a bank to start a business. How much simple interest (in ₹) will he pay at a rate of 7% per annum after 2 years?

A. 61600



B. 62600

C. 63600

D. 60600

Q2 Mathematics ENGLISH

Simplify the following.

$$294 \div [10 \div 5 \times \{11 + 12 - (8 + 5 - (10 + 1))\}]$$

A. 2

B. 15

C. 7



D. 4

Q3 Mathematics ENGLISH

A camp has provisions for 51 persons for 12 days. If the number of persons is increased to 102, for how many days will the same provisions last?

A. 9

B. 5

C. 6



D. 4

Q4 Mathematics ENGLISH

The internal surface area (in m^2) of an open cuboidal tank whose internal length, internal breadth and internal height are given as 3 m, 11 m, and 9 m, respectively, is:

A. 285



B. 314

C. 303

D. 295

Q5 Mathematics ENGLISH

In a 100-meter race, X runs at 5 m/s and Y at 4 m/s. How much head start should X give Y (in meters) so that the race ends in a tie?

A. 25

B. 20



C. 15

D. 10

Q6 Mathematics ENGLISH

In a wallet containing gold, silver and bronze tokens, the ratio of gold to silver tokens was 5:17 while the ratio of bronze to gold tokens was 18:19. What was the ratio of bronze to silver tokens?

A. 98:328

B. 95:330

C. 90:323



D. 93:327

Q7 Mathematics ENGLISH

A person standing 20 meters away from the base of a tower observes that the angle of elevation to the top of the tower is 60° . Find the height of the tower. (Rounded off to two decimal places)

A. 36.67 m

B. 34.64 m



C. 32.60 m

D. 38.38 m

Q8 Mathematics ENGLISH

During a round-trip journey where a person walks to a location at 5 km/h and returns at 3 km/h, which statement about average speed is correct?

A. Average speed is 3 km/h.

B. Average speed equals the arithmetic mean of 5 km/h and 3 km/h.

C. Average speed will be less than the arithmetic mean of 5 km/h and 3 km/h.



D. Average speed is 5 km/h.



Q9 Mathematics **ENGLISH**

Anirudh and Brahmaji are assigned the work of constructing a wall. Anirudh can do the job in 60 hours alone where as Brahmaji can do the job three times faster. Anirudh starts the work during the first hour and Brahmaji does the work during the second hour. During the third hour both do the job simultaneously. If they continue in this fashion, how long it will take for them to complete the job?

- A. 21.5 hours
- B. 22.5 hours
- C. 23 hours
- D. 7.5 hours

Q10 Mathematics **ENGLISH**

Find the least number which when divided by 5, 6, 3 and 4 leaves a remainder 2, but when divided by 7 leaves no remainder.

- A. 147
- B. 198
- C. 182
- D. 168

Q11 Mathematics **ENGLISH**

A store offers a trade discount of 16% on all items. In addition, they offer a "Buy four get one free" scheme on specific items. If a customer purchases five items each marked at ₹700 and the "Buy four get one free" scheme applies, what is the total discounted price for five items, the customer has to pay?

- A. ₹2336
- B. ₹2352
- C. ₹2305
- D. ₹2378

Q12 Mathematics **ENGLISH**

Chetan's salary was first reduced by 40% and subsequently raised by 24%. How much percentage was his final salary lower compared to his initial salary?

- A. 25.6%
- B. 9.6%
- C. 24%
- D. 40%

Q13 Mathematics **ENGLISH**

9 identical cartons together weigh 72 kg. How many cartons of the same type would be needed to make up a total 168 kg?

- A. 21
- B. 20
- C. 24
- D. 18

Q14 Mathematics **ENGLISH**

The population of country is 10 crores at present and is expected to grow to 17.28 crores in the next three years. Neglecting the death rate, the uniform annual percentage rate of growth is:

- A. 10
- B. 20
- C. 12
- D. 11

Q15 Mathematics **ENGLISH**

If $7 : 21 :: 2.2 : x$ and $7 : 49 :: 9 : y$, what is the ratio of x to y ?

- A. 11 : 105
- B. 15 : 115
- C. 12 : 103
- D. 9 : 106

Q16 Mathematics **ENGLISH**

Girish scored 664 marks in an examination and was 8 marks short of 84% of the maximum marks. In the same examination, his friend scored 472 marks. What is the percentage of marks scored by his friend?

- A. 59%
- B. 61%
- C. 58%
- D. 56%



Q17 Mathematics ENGLISH

Choose the correct statements about triangles from the ones given below:

- A. A triangle can be formed with sides 9 cm, 13 cm, 3 cm.
- B. In $\triangle PQR$, if $\angle P = 50^\circ$, $\angle Q = 30^\circ$, then QR is the longest side of the triangle.
- C. Area of an equilateral triangle of side 6 cm is $18\sqrt{3}$ cm².
- D. In $\triangle DEF$ and $\triangle PQR$, $\angle D = \angle P$, $\angle E = \angle Q$ and $DF = PR$. Then $\triangle DEF$ is congruent to $\triangle PQR$.

A. Only A, B, C

B. Only B, C, D

C. Only D



D. Only A

Q18 Mathematics ENGLISH

The length of a rectangular ground is 21 m more than its breadth. Its area is 31,042 m². Its breadth (in m) is:

A. 166



B. 151

C. 161

D. 182

Q19 Mathematics ENGLISH

The average sale of cars by a dealer per day in the month of March, other than on Saturdays and Sundays, is 151. The average sale of cars per day on Sundays is 129. What is the average sale of cars per day on Saturdays, if the first Saturday is on the 3rd of March and average sale of cars per day for the whole month is 148?

A. 145

B. 155

C. 150



D. 153

Q20 Mathematics ENGLISH

The 7-digit number 93A562B is divisible by 9, What is the minimum value of (A + B)?

A. 5

B. 7

C. 4

D. 2

**Q21 Mathematics** ENGLISH

The product of two consecutive natural numbers is 506. The greater of the two numbers is:

A. 17

B. 23



C. 18

D. 21

Q22 Mathematics ENGLISH

A dishonest vendor claims that he is selling goods at their cost price. But he is weighing 902 grams for 1000 grams. What is his profit percentage (rounded off to 2 decimal places)?

A. 10.86%



B. 11.82%

C. 12.08%

D. 6.51%

Q23 Mathematics ENGLISH

The average of the first 18 positive multiples of 15 is:

A. 142.5



B. 15

C. 135

D. 18

Q24 Mathematics ENGLISH

Standard deviation of 10, 12, 9, 8, 21 is (correct to two decimals):

A. 4.69



B. 4.89

C. 4.59

D. 4.79



Q25 Mathematics **ENGLISH**

If $(5x+1)^3 + (x+3)^3 + 8(3x-4)^3 = 6(5x+1)(x+3)(3x-4)$, then the value of x is:

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

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

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

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

Q26 Mathematics **ENGLISH**

Find the mode of the given data (correct to two places of decimal).

Class interval	0-6	6-12	12-18	18-24	24-30
Frequency	8	7	5	9	4

A. 20.67

B. 22.45

C. 19.24

D. 21.36

Q27 Mathematics **ENGLISH**

Find the value of x, y and z from the following equations:

$$3x + 2y - z = 24, \quad x - 5y + 3z = 16, \quad x + y - 3z = 21$$

A. $x = \frac{-97}{21}, y = \frac{-289}{42}, z = \frac{229}{42}$

B. $x = \frac{-229}{42}, y = \frac{-289}{42}, z = \frac{97}{21}$

C. $x = \frac{389}{42}, y = \frac{-97}{21}, z = \frac{-229}{42}$

D. $x = \frac{289}{42}, y = \frac{97}{21}, z = \frac{229}{42}$

Q28 Mathematics **ENGLISH**

Simplify : $\frac{\sqrt[3]{5832}}{\sqrt[4]{1296}} \times \frac{3}{54} \times 168$

A. 25

B. 18

C. 36

D. 28



Q29 Mathematics **ENGLISH**

A cylindrical vessel contains 154 litres of water. If the radius of the base is 14 cm, the height (in cm) of the water column in the vessel is:

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

A. 250 cm



B. 260 cm

C. 240 cm

D. 275 cm

Q30 Mathematics **ENGLISH**

Two men A and B walk round a circle 1300 metres in circumference. A walks at the rate of 150 metres per minute and B at the rate 80 metres per minute. If they both start at the same time from the same point and walk in the same direction, after how much time will they meet each other?

A. $15\frac{4}{7}$ min

B. $16\frac{5}{7}$ min

C. $17\frac{8}{7}$ min

D. $18\frac{4}{7}$ min

**Q31** Mathematics **ENGLISH**

The selling price of 20 books is equal to the cost price of 31 books. Find the loss or gain percentage.

A. 55 % loss

B. $\frac{100}{11}$ % loss

C. $\frac{100}{11}$ % gain

D. 55 % gain



Q32 General Intelligence and Reasoning **ENGLISH**

Each of C, D, E, F, X, Y and Z has an exam on a different day of a week starting from Monday and ending on Sunday of the same week.

No one has exam before Z. Only three people have exam between Z and F. Only one person has exam between F and X. Y has exam on Wednesday. D has exam on one of the days after E but on one of the days before C.

On which day of the week does D have exam?

- A. Friday
- B. Tuesday
- C. Thursday** ✓
- D. Wednesday

Q33 General Intelligence and Reasoning **ENGLISH**

Each of A, B, C, M, N and O has scored different marks. Only two people have scored between O and B. Only one person has scored more than M. Only three people have scored between M and O. N has scored more than C but less than A.

How many people have scored less than C?

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

Q34 General Intelligence and Reasoning **ENGLISH**

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.

IIO : JDK
NGR : OBN

- A. IQL : IKH
- B. ITX : IOS
- C. ORL : PMH** ✓
- D. BHW : BCR

Q35 General Intelligence and Reasoning **ENGLISH**

Seven people, A, L, M, I, R, H and S, are sitting in a row, facing north.

Only three people sit to the left of A. Only H sits to the right of R. Only three people sit between R and L. M sits at some place to the left of I but at some place to the right of S.

How many people sit between S and I?

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

Q36 General Intelligence and Reasoning **ENGLISH**

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

(Left) 8 9 & 8 \$ 5 # @ & # 4 @ 3 ! + ? 4 5 & 8 (Right)

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

- A. 8** ✓
- B. 4
- C. 5
- D. 3

Q37 General Intelligence and Reasoning **ENGLISH**

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

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

- A. TM - HP
- B. LD - XF** ✓
- C. WP - KS
- D. ZS - NV



Q38 General Intelligence and Reasoning **ENGLISH**

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

116, 121, 131, 146, 166, ?

A. 195

B. 193

C. 189

D. 191

Q39 General Intelligence and Reasoning **ENGLISH**

This question is based on the following words.

MUG TOP ACE GAS

How many letters are there between the second letter of the first word from the right and the second letter of the first word from the left as per the English alphabetical order?

A. 19

B. 18

C. 22

D. 20

Q40 General Intelligence and Reasoning **ENGLISH**

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

: ORM :: MPK : %

A. # = QTO, % = KNI

B. # = MKO, % = KNI

C. # = TTO, % = KMK

D. # = QTO, % = KPY

Q41 General Intelligence and Reasoning **ENGLISH**

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

HUL 19 , MZQ 36, REV 53, WJA 70 , ?

A. BOF 87

B. BMF 90

C. CMD 80

D. BNE 88

Q42 General Intelligence and Reasoning **ENGLISH**

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements is sufficient to answer the question. Read both the statements and decide the appropriate answer.
Af, Bg, Cq, Dy and En are sitting around a circular table, facing the centre. Who sits second to the right of Bg?
(I) Af sits to the immediate right of En. Cq is the immediate neighbour of Dy and En.
(II) Dy sits to the immediate right of Bg. En sits second to the left of Bg.

A. Data in Statements I and II together are NOT sufficient to answer the question.

B. Both Statements I and II together (and not Statement I alone or Statement II alone) are sufficient to answer the question.

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

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

Q43 General Intelligence and Reasoning **ENGLISH**

P is the brother of W. W is the father of R. T is the father of J. J is the son of R. How is J related to P?

A. Daughter's son

B. Daughter's husband

C. Brother's daughter's son

D. Brother's daughter's husband



Q44 General Intelligence and Reasoning **ENGLISH**

Govind starts from Point A and drives 5 km towards south. He then takes a left turn, drives 5 km, turns left and drives 12 km. He then takes a left turn and drives 11 km. He takes a final left turn, drives 7 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

- A. 6 km to the west
- B. 5 km to the west
- C. 5 km to the east
- D. 6 km to the east

**Q45** General Intelligence and Reasoning **ENGLISH**

Six friends, O, P, Q, G, H and I, live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on, till the topmost floor, which is numbered 6. Only one person lives above Q. P lives on an even-numbered floor but not on floor number 4. Only two people live between P and H. Only two people live between Q and I. O lives immediately below Q. How many people live between G and O?

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

**Q46** General Intelligence and Reasoning **ENGLISH**

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

17 30 43 56 69 ?

- A. 82
- B. 81
- C. 83
- D. 80

**Q47** General Intelligence and Reasoning **ENGLISH**

217 is related to 115 following a certain logic. Following the same logic, 183 is related to 81. To which of the given options is 234 related, following the same logic?

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

- A. 145
- B. 121
- C. 132
- D. 139

**Q48** General Intelligence and Reasoning **ENGLISH**

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

Statements: Some bins are cats. No cat is a deer. No cat is a tree.

Conclusions:

(I): No bin is a deer.

(II): Some trees are deers.

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

**Q49** General Intelligence and Reasoning **ENGLISH**

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

$$8-21\times3\div75+13=?$$

- A. 128
- B. 119
- C. 118
- D. 120



Q50 General Intelligence and Reasoning **ENGLISH**

Select the set in which the numbers are related in the same way as are the numbers of the following sets.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting / multiplying, etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(2,9,17)
(11,16,60)

A. (3,2,34)

B. (9,12,8)

C. (11,8,12)

D. (6,17,41) ✓

Q51 General Intelligence and Reasoning **ENGLISH**

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

(Left) L 8 * Q 3 \$ M ^ Y 7 & T 2 % R \$ F 6 # P @ N 9 ! K
4 @ Z ^ W (Right)

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

A. N

B. 6

C. F

D. P ✓

Q52 General Intelligence and Reasoning **ENGLISH**

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

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

94, 375

115, 396

A. 76, 358

B. 107, 389

C. 81, 364

D. 72, 353 ✓

Q53 General Intelligence and Reasoning **ENGLISH**

In a certain code language,

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

A – B means 'A is the brother of B'

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

A ÷ B means 'A is the father of B'

Based on the above, how is E related to K if 'E+F÷G–HxK'?

A. Sister

B. Mother

C. Wife's sister ✓

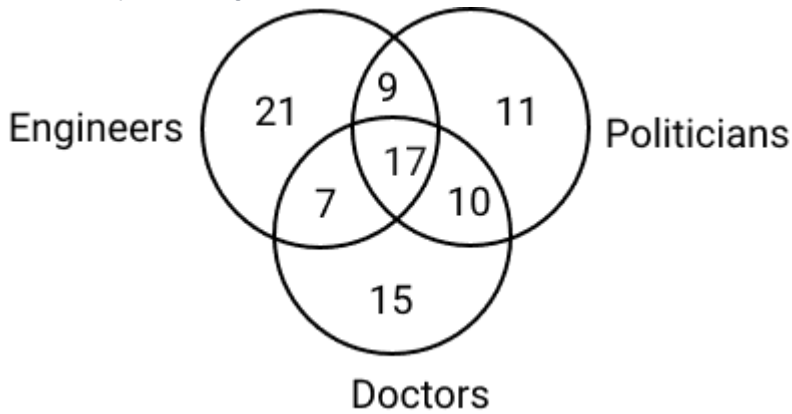
D. Wife's mother



Q54 General Intelligence and Reasoning **ENGLISH**

Study the given Venn diagram carefully and answer the question. The numbers in different sections indicate the number of persons. (NOTE: You have to take the given data to be true even if they seem to be at variance from commonly known facts)

How many such Engineers are there who are also Politicians but not Doctors?



A. 10

B. 7

C. 17

D. 9

**Q55** General Intelligence and Reasoning **ENGLISH**

In this question, a group of numbers/symbols is coded using letter codes as per the codes given below and the conditions which follow. The correct combination of codes following the conditions is your answer. If none of the conditions follow, then codes for the respective Number/Symbol are to be followed directly as given in the table.

Numb er/sy mbol	2	@	5	8	\$	9	&	%	#	6	+	7	3	1
Code	P	T	F	J	W	A	E	R	D	Q	S	B	U	L

Conditions:

- If the first element is a number and the last a symbol, the codes for these two (the first and the last elements) are to be interchanged.
- If the first element is an even number and the last an odd number, the first and last elements are to be coded as \$.
- If both the second and third elements are perfect cubes, the third element is to be coded as the code for the second element.

What is the code for the following group of numbers/symbols?

28%5

A. \$JR\$



B. PJRF

C. \$RJ\$

D. PRJF



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Q56 General Intelligence and Reasoning **ENGLISH**

In this question, a group of number/symbol is coded using letter codes as per the codes given below and the conditions which follow. The correct combination of codes following the conditions is your answer. If none of the conditions follow, then codes for the respective Number/Symbol to be followed directly as given in the table.

NUMBER/SYMBOL	7	\$	8	6	&	#	3	+	5	4	2	9	@	*
CODE	A	E	R	T	H	U	K	L	P	Z	C	V	N	Q

Conditions –

- (i) If the first element is a symbol and the last a number, the codes for these two (the first and the last elements) are to be interchanged.
- (ii) If the first element is an odd number and the last an even number, the first and last elements are to be coded as ©
- (iii) If both second and third elements are perfect squares, the third element is to be coded as the code for the second element.

What will be the code for the following group?

7 4 9 @ \$

A. A V Z N E

B. E Z Z N E

C. A Z Z N E



D. A Z Z R E

General Awareness

17 Questions • Answer Key

Q57 General Awareness **ENGLISH**

When was Namami Gange Programme launched to clean the Ganga river?

A. 2020

B. 2017

C. 2014



D. 2015

Q58 General Awareness **ENGLISH**

What is the purpose of the Draft National Sports Governance Bill, 2024, introduced by the Indian Government?

A. To centralize all sports decisions under one authority

B. To establish a framework for ethical governance and athlete welfare in sports federations



C. To increase commercialization of sports in Urban and Semiurban areas

D. To eliminate traditional sports from national competitions



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Q59 General Awareness **ENGLISH**

Why are non-biodegradable substances harmful for the environment?

- A. Can be broken down by bacteria
- B. Needs heat and temperature for breakdown, releases harmful chemicals ✓
- C. Easily mixes with soil
- D. Causes no pollution in water

Q60 General Awareness **ENGLISH**

How much fund is allotted to the Khelo India (national programme for development of sports) for FY26?

- A. ₹1,200 crore
- B. ₹1,000 crore ✓
- C. ₹1,600 crore
- D. ₹1,400 crore

Q61 General Awareness **ENGLISH**

The Deccan Plateau is separated from the Chota Nagpur Plateau by which of the following?

- A. Western Ghats
- B. Aravalli Hills
- C. Mahanadi Basin
- D. Vindhya Range ✓

Q62 General Awareness **ENGLISH**

Which of the following is an effect of non-biodegradable substances in water bodies?

- A. Helps plants grow
- B. Water becomes fertile
- C. Provides nutrients for fish
- D. Clogs drains and harms aquatic life ✓

Q63 General Awareness **ENGLISH**

Which of the following statements correctly differentiates the power of the Rajya Sabha from the Lok Sabha?

- A. Rajya Sabha can authorise Parliament to make laws on State subjects ✓
- B. Rajya Sabha can amend Money Bills
- C. Rajya Sabha has equal power with Lok Sabha in all financial matters
- D. Rajya Sabha can initiate a motion of no-confidence against the Council of Ministers

Q64 General Awareness **ENGLISH**

Who has been elected as the President of Centre of Films for Children and Young People (CIFEJ) for the 2025–2027 term?

- A. SS Rajamouli
- B. Jitendra Mishra ✓
- C. Lokesh Kanagaraj
- D. Om Raut

Q65 General Awareness **ENGLISH**

Which missile system is being developed under Project Kusha to enhance India's air defence capabilities?

- A. Extended Range Air Defence System ✓
- B. MICA
- C. S-400
- D. BrahMos

Q66 General Awareness **ENGLISH**

Which of the following statements about Parliamentary Committees is TRUE?

- A. Ad Hoc Committees are permanent in nature.
- B. Standing Committees are reconstituted from time to time and are permanent. ✓
- C. There are no temporary Parliamentary Committees.
- D. All Parliamentary Committees are permanent.



Q67 General Awareness **ENGLISH**

Which economic model advocates that developing countries should prioritize import substitution over free trade to promote economic development?

- A. Comparative Advantage Theory
- B. Import Substitution Industrialization** ✓
- C. Neoliberalism
- D. Export-led Growth Model

Q68 General Awareness **ENGLISH**

Which individuals actively supported Mahatma Gandhi during the Kheda Satyagraha movement?

- A. Raj Kumar Shukla and Rajendra Prasad
- B. Ambalal Sarabhai and Anasuya Ben
- C. Vallabhbhai Patel and Rajendra Prasad
- D. Vallabhbhai Patel and Indulal Yajnik** ✓

Q69 General Awareness **ENGLISH**

Social indicators of development improved after economic growth accelerated. Which of the following indicators saw the most consistent improvement after 1991?

- A. Consumer Price Index
- B. Maternal Mortality Rate** ✓
- C. Fiscal deficit
- D. Gini coefficient

Q70 General Awareness **ENGLISH**

What lies between the sand dunes and the coast in the East Coastal Plains?

- A. Deltas
- B. Mountains
- C. Lagoons** ✓
- D. Beaches

Q71 General Awareness **ENGLISH**

According to Dadabhai Naoroji's Drain of Wealth theory, what major economic issue needed to be addressed to end India's exploitation under British rule?

- A. Excessive land revenue imposed on peasants
- B. Unequal economic exchange between India and Britain** ✓
- C. Religious discrimination by colonial authorities
- D. Limited administrative participation for Indians

Q72 General Awareness **ENGLISH**

Which of the following is one of Asia's largest cattle fairs, organized at the confluence of two mighty rivers, the Ganga and Gandak?

- A. Suraj Kund Craft Mela
- B. Sonapur Fair** ✓
- C. Thrissur Pooram
- D. Flamingo Festival

Q73 General Awareness **ENGLISH**

In February 2025, the Union Minister of External Affairs and Heads of Missions from 61 countries visited Kaziranga National Park, located in which state of India?

- A. Nagaland
- B. Arunachal Pradesh
- C. Manipur
- D. Assam** ✓



Q74 General Science **ENGLISH**

A sound wave travels from air into water. How does its frequency, speed, and wavelength change as it crosses the boundary?

- A. Its frequency increases, speed remains the same, and wavelength decreases
- B. Its frequency decreases, speed decreases, and wavelength increases
- C. Its frequency remains constant, speed decreases, and wavelength decreases
- D. Its frequency remains constant, speed increases, and wavelength increases ✓

Q75 General Science **ENGLISH**

Suppose a student wants to design an amusement park ride that moves people in a circle at uniform speed. Which concept should the student apply to ensure riders stay safely in their seats during the circular motion?

- A. A constant inward (centripetal) force is needed on the riders to keep them in uniform circular motion ✓
- B. Increasing speed randomly will keep them safe
- C. A constant outward force is needed to keep riders pressed against their seats
- D. Gravity alone is sufficient to keep the riders in place

Q76 General Science **ENGLISH**

Which of the following does NOT describe a property of ethanol (C_2H_5OH)?

- A. It turns blue litmus paper red. ✓
- B. It is a clear, colourless liquid with a pleasant smell.
- C. It is soluble in water in all proportions.
- D. It reacts with sodium to release hydrogen gas.

Q77 General Science **ENGLISH**

Which property explains why the path of light is not visible when a beam passes through a true solution?

- A. Particles are smaller than one nanometre ✓
- B. Particles are heavier than solvent molecules
- C. Particles can be removed by filtration
- D. Particles settle down on standing still

Q78 General Science **ENGLISH**

Methane reacts with chlorine in the presence of sunlight to form chloromethane and hydrogen chloride. Which of the following statements is CORRECT?

Statement I: Only one chlorine atom can substitute at a time.

Statement II: The reaction is an example of a substitution reaction.

Statement III: Multiple substitution can occur if the reaction continues.

- A. I, II and III are true ✓
- B. Only II and III are true
- C. Only I and II are true
- D. Only I and III are true

Q79 General Science **ENGLISH**

Why are solids described as rigid in nature?

- A. Their particles move freely with weak mutual attraction
- B. Their particles slide easily under applied external force
- C. Their particles are closely packed with strong attraction ✓
- D. Their particles possess very low mass and volume

Q80 General Science **ENGLISH**

Which metal listed below shows the strongest reaction when added to dilute hydrochloric acid?

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



Q81 General Science **ENGLISH**

Which statement correctly describes a heterogeneous mixture?

- A. Its composition remains fixed and constant always
- B. Its components cannot be separated by physical methods
- C. Its composition is not uniform throughout the mixture ✓
- D. Its particles are uniformly distributed at particle level

Q82 General Science **ENGLISH**

When an object is placed at the center of curvature (C) of a concave mirror, what is the nature of the image formed?

- A. Real and inverted ✓
- B. Enlarged and inverted
- C. Virtual and erect
- D. Highly diminished, point-sized

Q83 General Science **ENGLISH**

Which of the following is present only in plant cell?

- A. Cell wall ✓
- B. Nucleus
- C. Endoplasmic reticulum
- D. Vacuoles

Q84 General Science **ENGLISH**

What is a key difference between chemical fertilisers and manures in terms of nutrient release to plants?

- A. Chemical fertilisers enhance biological activity.
- B. Manures have higher and less variable nutrient concentrations.
- C. Conventional chemical fertilisers release nutrients gradually.
- D. Manures release nutrients gradually. ✓

Q85 General Science **ENGLISH**

Why is it important to keep the level of vitamins A and K high in poultry feeds for broilers?

- A. To reduce the size of eggs
- B. To make broilers resistant to external parasites
- C. To ensure proper nutrition for healthy growth and development ✓
- D. To increase their tolerance to cold weather

Q86 General Science **ENGLISH**

Which rule helps to determine the direction of force acting on a current-carrying conductor in a magnetic field?

- A. Ampere's rule
- B. Fleming's left-hand rule ✓
- C. Faraday's law
- D. Right-hand rule

Q87 General Science **ENGLISH**

What happens to the work done if the displacement becomes zero despite a force being applied?

- A. The work done increases.
- B. The work done is zero. ✓
- C. The work done remains constant.
- D. The work done decreases.

Q88 General Science **ENGLISH**

Magnesium ribbon burns with:

- A. No visible flame
- B. A yellow luminous flame
- C. A bright white flame ✓
- D. A blue non-luminous flame



Q89 General Science **ENGLISH**

A plant sheds its leaves and bark to remove stored waste products. How does this strategy differ from the way animals excrete wastes?

- A. Plants have a single organ system for waste removal, unlike animals.
- B. Plants use parts that will be shed, while animals have specialized organs for excretion. ✓
- C. Plants use blood circulation for excretion, unlike animals.
- D. Plants use digestive systems to remove waste, unlike animals.

Q90 General Science **ENGLISH**

If a point is located below the principal axis of a spherical mirror, what sign is assigned to its perpendicular distance according to the sign convention for spherical mirrors?

- A. Positive
- B. Negative ✓
- C. Zero
- D. Depends on mirror type

Q91 General Science **ENGLISH**

Which two elements are primarily added to soil by green manure?

- A. Nitrogen and phosphorus ✓
- B. Nitrogen and potassium
- C. Potassium and magnesium
- D. Phosphorus and calcium

Q92 General Science **ENGLISH**

Which of the following statements is TRUE for all saturated hydrocarbons?

- A. They readily undergo addition reactions.
- B. They contain at least one double bond.
- C. They show substitution reactions rather than addition reactions. ✓
- D. They are generally very reactive due to triple bonds.

Q93 General Science **ENGLISH**

A young child is diagnosed with both myopia and hypermetropia in different eyes. What is the most appropriate corrective approach?

- A. Using cylindrical lenses in both eyes
- B. Providing identical convex lenses for both eyes
- C. Providing glasses with different lenses for each eye (concave for one, convex for the other) ✓
- D. Using bifocal lenses in both eyes

Q94 General Science **ENGLISH**

Why does a torch bulb glow only when the switch is turned on?

- A. Because the battery is charged
- B. Because the switch completes the circuit, allowing current to flow ✓
- C. Because the bulb is in series with the cell
- D. Because the bulb is functional

Q95 General Science **ENGLISH**

A technician needs to connect a new appliance in a domestic circuit to ensure it receives full voltage and can be operated independently. What should the technician do?

- A. Connect the appliance only to the neutral wire
- B. Connect the appliance in series with existing appliances
- C. Connect the appliance only to the earth wire
- D. Connect the appliance in parallel with existing appliances ✓

Q96 General Science **ENGLISH**

Why is it important to provide dairy cattle with a sloping floor in their sheds and balanced rations in their diet?

- A. To keep the shed dry and facilitate cleaning, and reduce roughage intake.
- B. To protect from parasites, and increase fibre content.
- C. To keep the shed dry and facilitate cleaning, and to support health and milk production. ✓
- D. To prevent diseases and to support health and milk production.



Q97 General Science **ENGLISH**

Which of the following compounds has a formula unit mass of 100 u?

A. CaCO_3



B. CaCl_2

C. Na_2CO_3

D. MgO

Q98 General Science **ENGLISH**

Why is potassium hydroxide used in the bell-jar experiment involving photosynthesis?

A. To absorb carbon dioxide



B. To supply oxygen

C. To remove water

D. To provide sunlight

Q99 General Science **ENGLISH**

Where is perinuclear space present?

A. Within the nucleolus

B. Outside the nucleus

C. Inside of the nucleus

D. Between two layers of the nuclear envelope



Q100 General Science **ENGLISH**

Which change will promote micelle formation in a detergent solution?

A. Increasing detergent concentration above Critical Micelle Concentration(CMC)



B. Decreasing detergent concentration below Critical Micelle Concentration(CMC)

C. Adding more water to dilute the solution

D. Lowering the temperature below Kraft point



Mathematics

32 Questions • Answer Key

Q1 Mathematics ENGLISH

Sujit is three times as old as his son, and his daughter is 3 years younger than the son. If the sum of the ages of these three people 3 years ago from now was 88 years, then Sujit's present age (in years) is

A. 48

B. 60

C. 56

D. 66

Q2 Mathematics ENGLISH

The harmonic mean of 4, 8 and 16 is (Rounded off to four decimal places)

A. 6.8517

B. 6.5817

C. 6.5871

D. 6.8571

Q3 Mathematics ENGLISH

The list price of a washing machine is ₹87,200. It is sold to a retailer after two successive discounts of 9% and 50%. The retailer wants to earn a profit of 25% on his cost after allowing a 48% discount (on its new list price) to the customer. At what price should he list the washing machine?

A. ₹95,476

B. ₹95,333

C. ₹95,434

D. ₹95,375

Q4 Mathematics ENGLISH

The average of the first 18 positive multiples of 14 is:

A. 14

B. 133

C. 18

D. 126

Q5 Mathematics ENGLISH

A shopkeeper bought six identical mobile phones for ₹45,000. He sold two of these mobile phones for ₹42,000. Find his gain percentage.

A. 180%

B. 181%

C. 179%

D. 178%

Q6 Mathematics ENGLISH

X people were given a contract for doing a piece of work in 18 days. 2 people did not turn up to work due to sickness, and the rest of the people completed the work in 27 days. What is the value of X?

A. 2

B. 10

C. 14

D. 6

Q7 Mathematics ENGLISH

A and B jointly start a business. The investment of A is equal to three times the investment of B. Find the share of A in the annual profit of ₹55204.

A. ₹41,403

B. ₹42,403

C. ₹43,403

D. ₹40,403

Q8 Mathematics ENGLISH

Simplify: $52 - \{38 \div (4 \times 7 - 9)\}$

A. 46

B. 50

C. 55

D. 57



Q9 Mathematics **ENGLISH**

The price of fuel decreases by 55%, 55% and 30% in three successive months, but increases by 50% in the fourth month. What is the percentage increase/decrease in the price of fuel in the fourth month as compared to its original price?
[Give your answer correct to two places after decimal.]

- A. Increases by 76.66%
- B. Decreases by 81.55%
- C. Decreases by 78.74% ✓
- D. Increases by 75.63%

Q10 Mathematics **ENGLISH**

Three persons, A, B and C, took part in a 2000 m race. To reach the finish line at the same time, A can give to B a start of 500 m and to C a start of 300 m. How many metres of start can C give to B in a 3400 m race?

- A. 200
- B. 400 ✓
- C. 800
- D. 600

Q11 Mathematics **ENGLISH**

A is faster than B. In a 2500 m race, A gives B a start of 200 meters. A runs at 25 m/s. Who wins and by how much if B runs at 23 m/s?

- A. They finish together ✓
- B. B wins by 100 meters
- C. A wins by 50 meters
- D. A wins by 100 meters

Q12 Mathematics **ENGLISH**

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

6 19 45 97 201 ?

- A. 403
- B. 400
- C. 406
- D. 409 ✓

Q13 Mathematics **ENGLISH**

A solid sphere is melted and recast into 18 identical cones, each having a base radius of 3 cm and height of 18 cm. Find the radius of the sphere.

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

Q14 Mathematics **ENGLISH**

The 7-digit number 57A001B is divisible by 9. What is the minimum value of (A + B)?

- A. 8
- B. 2
- C. 3
- D. 5 ✓

Q15 Mathematics **ENGLISH**

P and Q together can fill a cistern with water in 24 hours. If P alone can fill the cistern with water in 72 hours, then in how many hours will Q alone fill three-fourth of the same cistern with water?

- A. 28
- B. 54
- C. 55
- D. 27 ✓

Q16 Mathematics **ENGLISH**

A total profit of ₹14,500 is to be distributed amongst A, B, and C such that $A : B = 16 : 3$ and $B : C = 6 : 20$. The share (in ₹) of C in the profit is:

- A. 5,100
- B. 5,000 ✓
- C. 4,850
- D. 4,950



Q17 Mathematics ENGLISH

Monthly income of Mohit is ₹12800 and his monthly expenditure is ₹ 4000. If his income is decreased by 25% and expenditure is decreased by ₹ 1000, then find the decrease in his monthly savings?

- A. ₹ 2600
- B. ₹ 2800
- C. ₹ 2400
- D. ₹ 2200

**Q18 Mathematics ENGLISH**

David has borrowed an amount of ₹440000 from a bank to start a business. How much simple interest (in ₹) will he pay at a rate of 6% per annum after 2 years?

- A. 51800
- B. 54800
- C. 53800
- D. 52800

**Q19 Mathematics ENGLISH**

Find the LCM of 8, 12, and 20.

- A. 180
- B. 120
- C. 60
- D. 150

**Q20 Mathematics ENGLISH**

Suman's earnings in a month are five-sevenths of Meera's. In the next month, Meera's earnings become five-eighths of Suman's previous month earnings. By what percent are Meera's current earnings less than Suman's current earnings?

- A. 25%
- B. 20%
- C. 35.5%
- D. 37.5%

**Q21 Mathematics ENGLISH**

The difference between compound interest, compounded annually, and simple interest for 3 years at a rate of 20% per annum is ₹256. What is the principal lent?

- A. ₹1,000
- B. ₹3,000
- C. ₹2,000
- D. ₹4,000

**Q22 Mathematics ENGLISH**

O and C are respectively the orthocentre and the circumcentre of an acute angled triangle ΔPQR . $\angle QCR = 138^\circ$. A perpendicular PM is dropped from P on side QR. If $\angle PQR = 52^\circ$, what is the degree measure of $\angle RPM$?

- A. 69
- B. 42
- C. 31
- D. 38

**Q23 Mathematics ENGLISH**

The following data represents the number of goals scored by a football team in 10 matches.

2, 3, 1, 4, 2, 5, 2, 3, 2, 4

The mode of the above data is x. If one more match is played, and the team scores 3 goals, what will be the difference between the previous mode and the new mode?

- A. 2
- B. 0
- C. 3
- D. 1

**Q24 Mathematics ENGLISH**

The length of a rectangular field is 34 m more than its breadth. Its area is 5040 m^2 . Its breadth (in m) is:

- A. 54
- B. 44
- C. 56
- D. 37



Q25 Mathematics ENGLISH

In a seminar, 5 teachers and 7 students spent money on books. The average spending of all of them together was ₹260. The average spending of the teachers alone was ₹400. Find the average spending amount of the students.

A. ₹120

B. ₹160 ✓

C. ₹140

D. ₹180

Q26 Mathematics ENGLISH

A man bought two types of apples, one at ₹2 for 3 apples and the other at ₹6 per apple. He purchased an equal number of each type and sold all the apples at ₹6 per apple. Find his percentage profit.

A. 80% ✓

B. 78%

C. 75%

D. 77%

Q27 Mathematics ENGLISH

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

145 129 113 97 81 ?

A. 64

B. 63

C. 65 ✓

D. 61

Q28 Mathematics ENGLISH

Let a and b be roots of the equation $x^2 - 7x + c = 0$, and the roots of the equation $x^2 - dx + 216 = 0$ are a^2b and b^2a . The value of d is ____.

A. 45

B. 42 ✓

C. 48

D. 40

Q29 Mathematics ENGLISH

A man, 1.8 m tall, is standing on a 1.0 m high platform near its edge, to observe the top of a building.

The building is at distance of $25\sqrt{3}$ m away from the platform. The angle of elevation from his eye to the top of the building is 30° . The height (in m) of the building is:

A. 26.8

B. 27.8 ✓

C. 25.8

D. 28.8



Q30 Mathematics **ENGLISH**

The value of $\sqrt{17 + \sqrt{57 + \sqrt{45 + \sqrt{7 + \sqrt{81}}}}}$ is:

A. 1

B. 2

C. 7

D. 5



Q31 Mathematics **ENGLISH**

If $x + \frac{1}{17x} = 3$, then the value of $17x^3 + \frac{1}{289x^3}$ is:

A. 345

B. 435

C. 534

D. 450



Q32 Mathematics **ENGLISH**

Find the volume of a hemisphere, the circumference of whose base is 35.2 cm

(rounded off to two places of decimals; use $\pi = \frac{22}{7}$).

A. 363.56 cm³

B. 369.34 cm³

C. 367.96 cm³

D. 361.25 cm³



General Intelligence and Reasoning

23 Questions • Answer Key

Q33 General Intelligence and Reasoning **ENGLISH**

In a certain code,

'blue pen write' is coded as 'ka tu re'

'red pen draw' is coded as 'mo tu si'

'blue brush draw' is coded as 'ka lo si'

(all the codes are two letter coded only)

What is the code for "blue pen"?

A. lo si

B. re ka

C. ka tu



D. mo lo



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Q34 General Intelligence and Reasoning **ENGLISH**

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

(Left) % P N G @ 8 7 % 6 # \$ * L C T 1 @ # 2 Z 8 E 9
(Right)

If all the numbers are dropped from the series, which of the following will be fifth from the right?

A. Z

B. @

C. #

D. T

**Q35** General Intelligence and Reasoning **ENGLISH**

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

(14, 12, 168)

(16, 13, 208)

A. (19, 11, 209)



B. (18, 14, 262)

C. (17, 13, 224)

D. (15, 14, 220)

Q36 General Intelligence and Reasoning **ENGLISH**

Seven people, A, L, M, I, R, H and S, are sitting in a row, facing north.

No one sits to the right of S. Only three people sit between S and H. Only two people sit between H and R. M sits third to the left of L. I sits to the immediate right of L.

How many people sit between A and R?

A. Three



B. Two

C. Four

D. One

Q37 General Intelligence and Reasoning **ENGLISH**

Diwakar starts from Point A and drives 8 km towards West. He then takes a left turn, drives 6 km, turns left and drives 11 km. He then takes a left turn and drives 9 km. He takes a final left turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified)

A. 2 km to the south

B. 3 km to the south



C. 3 km to the north

D. 2 km to the north

Q38 General Intelligence and Reasoning **ENGLISH**

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

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

124, 232

107, 215

A. 136, 244



B. 181, 288

C. 178, 276

D. 153, 271

Q39 General Intelligence and Reasoning **ENGLISH**

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

PJL OIK NHJ MGI ?

A. LEG

B. LFH



C. LEH

D. LFG



Q40 General Intelligence and Reasoning **ENGLISH**

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

$$16 \div 2 + 22 \times 2 - 8 = ? + 3$$

A. 31

B. 34

C. 32



D. 28

Q41 General Intelligence and Reasoning **ENGLISH**

H is the brother of A. R is the sister of K. P is the son of K. K is the wife of A. How is P related to H?

A. Sister's son

B. Father's son

C. Brother

D. Brother's son

**Q42** General Intelligence and Reasoning **ENGLISH**

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

Six people, A, B, C, D, E and F, are sitting in a straight line facing north. How many people sit to the right of D?
I: No one sits to the right of F. Only two people sit between F and B.

II: D sits to the immediate left of F. E sits to the immediate left of B.

Data in both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question



B. Data in both statements I and II together are NOT sufficient to answer the question

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

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

Q43 General Intelligence and Reasoning **ENGLISH**

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

(Left) K 6 & M 4 @ R 7 ! F ^ N \$ Q 8 # T @ P 9 * Y 3 & Z 2 \$ L ^ W (Right)

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

A. 3



B. 9

C. &

D. *

Q44 General Intelligence and Reasoning **ENGLISH**

In a certain code,

'cracking lame jokes' is coded as 'kt vs fm'

'cracking colourful fireworks' is coded as 'fi ye kt'

'lame but colourful' is coded as 'vs xc ye'

(all the codes are two letter coded only)

What is the possible code for 'fireworks lame'?

A. fi vs



B. fm ye

C. kt xc

D. fm xc

Q45 General Intelligence and Reasoning **ENGLISH**

Seven boxes B, C, D, P, Q, R and S are kept one over the other but not necessarily in the same order. Only three boxes are kept above B. Only one box is kept between P and B. Only three boxes are kept between P and R. R is kept at some place above B. D is kept immediately below R. Q is kept at one of the places above S. C is not kept immediately above or below P. Which box is kept at the lowermost position?

A. S



B. R

C. C

D. P



Q46 General Intelligence and Reasoning **ENGLISH**

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

IL - GJ - DF
NQ - LO - IK

A. PS - NQ - KL

B. PS - NQ - KM

C. OS - NR - KL

D. OS - NQ - KL

Q47 General Intelligence and Reasoning **ENGLISH**

Select the set in which the numbers are related in the same way as are the numbers of the following sets. (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting /multiplying, etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(13,22,2)
(4,26,15)

A. (25,8,6)

B. (1,22,5)

C. (13,35,14)

D. (23,43,13)

Q48 General Intelligence and Reasoning **ENGLISH**

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. ZYB

B. MMO

C. QPS

D. GFI

Q49 General Intelligence and Reasoning **ENGLISH**

MU 11 is related to OY -2 in a certain way. In the same way, PQ 10 is related to RU -3. To which of the following is UR 14 related, following the same logic?

A. WV 1

B. WX 1

C. WW 3

D. VW 3

Q50 General Intelligence and Reasoning **ENGLISH**

In a certain code language,
A + B means 'A is the daughter of B'
A – B means 'A is the brother of B'
A x B means 'A is the wife of B'
A ÷ B means 'A is the father of B'

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

A. Father

B. Wife's brother

C. Brother

D. Wife's father

Q51 General Intelligence and Reasoning **ENGLISH**

C, H, A, N, G and E, each have a different age. C's age is 21 years, and C is younger than H and older than A. Four people have ages less than 21 years. Only one person is younger than N. G is not the youngest. G is younger than A. Who is the youngest?

A. N

B. A

C. G

D. E



Q52 General Intelligence and Reasoning **ENGLISH**

Each of B, Q, C, N, X, U and M has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week. Only two people have exams before Q. Only one person has the exam after N. B has the exam before U but after Q. X has the exam immediately before C. M does not have the exam before U. How many people have exams between U and X?

A. Four

B. One

C. Two

D. Three

**Q53** General Intelligence and Reasoning **ENGLISH**

Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusions logically follow(s) from the given statements.

Statements:

All rabbits are mats.

All rabbits are zebras.

All zebras are lamps.

Conclusions:

(I): All rabbits are lamps.

(II): Some zebras are mats.

A. Only conclusion (I) follows

B. Only conclusion (II) follows

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

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

**Q54** General Intelligence and Reasoning **ENGLISH**

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

(Left) 857 329 417 628 751 (Right)

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

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

A. 15

B. 17

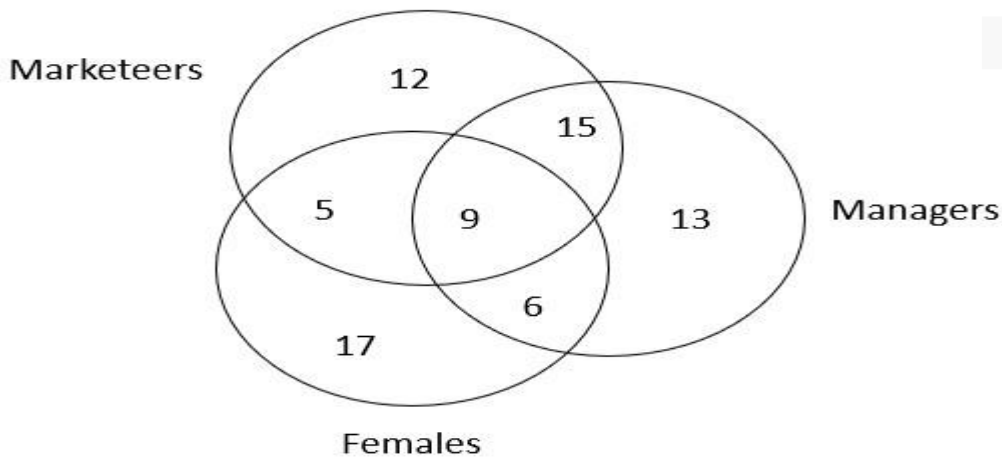
C. 14

D. 16



Q55 General Intelligence and Reasoning **ENGLISH**

Study the given diagram carefully and answer the question that follows. The numbers in different sections indicate the number of persons. (NOTE: You have to take the given data to be true even if they seem to be at variance from commonly known facts.)



How many managers are there?

- A. 42
- B. 44
- C. 41
- D. 43



General Awareness

15 Questions • Answer Key

Q56 General Awareness **ENGLISH**

Which of the following rivers originates from the Amarkantak Plateau?

- A. Godavari
- B. Mahanadi
- C. Narmada
- D. Krishna



Q57 General Awareness **ENGLISH**

Which of the following statements is/are correct about a non-Constitutional body, Reserve Bank of India (RBI)?

- (1) RBI performs several crucial functions like regulating and supervising the banking system, managing the currency and credit system and managing foreign exchange reserves.
- (2) RBI was established on April 1, 1935 in accordance with the provisions of the Reserve Bank of India Act, 1934.
- (3) The Central Office of the RBI was initially established in Kolkata but was permanently moved to Mumbai in 1937

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



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Q58 General Awareness **ENGLISH**

Libia Lobo Sardesai, who was honoured with the Padma Shri In January 2025, is known for her contribution to which of the following causes?

A. Promotion of Konkani literature

B. Goa's liberation struggle



C. Environmental conservation in Western Ghats

D. Women's education in coastal India

Q59 General Awareness **ENGLISH**

Which of the following days was observed on 21st May 2025?

A. National Human Rights Day

B. National Anti-terrorism day



C. Indian Navy Day

D. National Voters Day

Q60 General Awareness **ENGLISH**

According to a circular issued by the Union Shipping Ministry in April 2025, what is the recalculated length of India's coastline using the new methodology of calculation?

A. 15416.6 km

B. 12520.73 km

C. 9516.6 km

D. 11098.81 km



Q61 General Awareness **ENGLISH**

Which company developed India's first indigenous surgical robotic system that recently performed two world-first robotic cardiac telesurgeries with an ultra-low latency of just 35–40 milliseconds?

A. Siemens Healthineers India

B. Intuitive Surgical India

C. Medtronic India

D. SS Innovations



Q62 General Awareness **ENGLISH**

Who was honoured with the Lata Deenanath Mangeshkar Award in April 2025 for his contributions to education and nation-building?

A. Narayana Murthy

B. Kumar Mangalam Birla



C. Alakh Pandey

D. Anand Mahindra

Q63 General Awareness **ENGLISH**

What is it called when the government sells part of its share in public sector companies to the public?

A. Industrialisation

B. Disinvestment



C. Globalisation

D. Nationalisation

Q64 General Awareness **ENGLISH**

What was the name of the headquarters of the Ghadar Party?

A. Azad Ashram

B. Hindustan Ashram

C. Bharat Ashram

D. Yugantar Ashram



Q65 General Awareness **ENGLISH**

Which international agreement aims to limit global temperature rise below 2°C?

A. Montreal Protocol

B. Rio Declaration

C. Kyoto Protocol

D. Paris Agreement



Q66 General Awareness **ENGLISH**

Which Indian actor has been officially named as 'Fit India Icon' by Union Sports Minister Mansukh Mandaviya in March 2025?

A. Ayushmann Khurrana ✓

B. Shahid Kapoor

C. Allu Arjun

D. Hrithik Roshan

Q67 General Awareness **ENGLISH**

Which of the following statements regarding the Namo Drone Didi scheme is/are correct?

1. It is a Central Sector Scheme for providing drones to Women Self Help Groups for the period from 2024-25 to 2025-26 with an outlay of ₹1,261 crore.
2. The scheme aims to provide drones to 15,000 selected Women Self Help Groups for providing rental services to farmers for agriculture purposes.
3. Under the scheme, Women Self Help Groups receive substantial financial assistance, covering 80% of the drone and accessory costs, up to ₹8 lakh.

A. 1, 2 and 3 ✓

B. Only 1 and 2

C. Only 3

D. Only 2 and 3

Q68 General Awareness **ENGLISH**

Which of the following is a musical instrument that consists of a set of glass, metal or clay bowls, each having varying levels of water?

A. Shehnai

B. Sarod

C. Sitar

D. Jaltarang ✓

Q69 General Awareness **ENGLISH**

Which of the following provisions in the Indian Constitution deals with the duty of the State to separate the judiciary from the executive?

A. Article 51

B. Article 50 ✓

C. Article 48A

D. Article 44

Q70 General Awareness **ENGLISH**

Which form of nationalist protest emerged in response to the Partition of Bengal in 1905 that integrated economic, social, and political action?

A. Boycotting British goods and promoting indigenous industries ✓

B. Submitting petitions to the British Parliament for reversal

C. Pursuing constitutional agitation within legislative councils

D. Organising armed resistance against colonial authorities

General Science

30 Questions • Answer Key

Q71 General Science **ENGLISH**

What role does the earth wire play in the safety of domestic appliances with metallic bodies?

A. It increases the appliance's voltage

B. It provides a low-resistance path for leakage current ✓

C. It controls the current flow

D. It prevents the fuse from melting



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Q72 General Science **ENGLISH**

A security mirror in a store is required to provide a wide field of view and always form diminished, upright images regardless of the position of objects. Which type of mirror and principle should be used for its design?

- A. Concave mirror using the mirror formula for real, inverted images
- B. Convex mirror using the mirror formula for virtual, diminished images** ✓
- C. Concave mirror for magnification
- D. Plane mirror for undistorted images

Q73 General Science **ENGLISH**

In a redox reaction, what is the role of a 'reducing agent'?

- A. It is a substance that only participates in decomposition reactions.
- B. It is a substance that causes reduction and itself gets oxidized.** ✓
- C. It is an agent that helps other substances to be oxidized.
- D. It is a catalyst that speeds up the reaction.

Q74 General Science **ENGLISH**

When a light ray enters a rectangular glass slab obliquely from air, what happens to its direction at the first interface?

- A. It bends towards the normal** ✓
- B. It gets reflected back
- C. It travels straight
- D. It bends away from the normal

Q75 General Science **ENGLISH**

A cyclic compound that contains only single bonds is classified as:

- A. Aromatic
- B. Aliphatic
- C. Saturated** ✓
- D. Unsaturated

Q76 General Science **ENGLISH**

Why do gases exert pressure on the walls of the container?

- A. Gas particles possess very low kinetic energy
- B. Gas particles stay fixed inside the container
- C. Gas particles move randomly and strike the walls** ✓
- D. Gas particles attract the container walls strongly

Q77 General Science **ENGLISH**

Why is nitrogen gas used to prevent oxidation in bags containing foods such as chips?

- A. Nitrogen gas inhibits oxidation by replacing oxygen.** ✓
- B. Nitrogen gas makes chips crispier.
- C. Nitrogen gas accelerates oxidation.
- D. Nitrogen gas enhances the taste of the food.

Q78 General Science **ENGLISH**

Which of the following is an example of membrane bound little structures present in a cell?

- A. Lysosome** ✓
- B. Ribosome
- C. Nucleoplasm
- D. Cytoplasm

Q79 General Science **ENGLISH**

Which combination best represents essential life processes for maintaining an individual organism?

- A. Growth, movement, reproduction and response
- B. Reproduction, variation, heredity and adaptation
- C. Locomotion, feeding, communication and defence
- D. Nutrition, respiration, transportation and excretion** ✓



Q80 General Science **ENGLISH**

Which of the following irrigation methods leads to the least wastage of water?

- A. Drip irrigation** ✓
- B. Sprinkler irrigation
- C. Flood irrigation
- D. Furrow irrigation

Q81 General Science **ENGLISH**

A low platelet count may lead to _____.

- A. Fever
- B. Anemia
- C. Excessive bleeding** ✓
- D. Infection

Q82 General Science **ENGLISH**

Which of the following is NOT correctly matched, with regard to plant and animal cells?

- A. Plastids - Present in plant cells
- B. Cell wall - Present in animal cells** ✓
- C. Vacuoles - Very large and present in plant cells
- D. Plastids - Absent in animal cells

Q83 General Science **ENGLISH**

According to the law of constant proportions, the compound in which hydrogen and oxygen are present in a fixed mass ratio of 1:8 is:

- A. Hydrogen peroxide
- B. Ammonia
- C. Methane
- D. Water** ✓

Q84 General Science **ENGLISH**

Which statement is INCORRECT regarding prokaryotic organism?

- A. Membrane-bound organelles are absent
- B. Single chromosome is present
- C. Nuclear region is defined** ✓
- D. Primitive form of organism

Q85 General Science **ENGLISH**

Which of the following statements is correct regarding the storage of grains?

- A. Abiotic factors responsible for losses in stored grains are temperature, rodents and fungi.
- B. Storage losses in agriculture produce can be very low.
- C. Biotic factors responsible for losses in stored grains are insects, rodents and moisture.
- D. Biotic factors responsible for losses in stored grains are insects, rodents and fungi.** ✓

Q86 General Science **ENGLISH**

A device operates at 2 amperes current and 220 volts potential difference for 5 hours. How much electrical energy does it consume, expressed in kilowatt hours (kWh)?

- A. 0.22 kWh
- B. 2.2 kWh** ✓
- C. 5 kWh
- D. 1.1 kWh

Q87 General Science **ENGLISH**

A cyclist increases her speed from 6 m/s to 12 m/s in 3 seconds on a straight road. What is her acceleration during this period?

- A. 3 m/s²
- B. 0.5 m/s²
- C. 2 m/s²** ✓
- D. 6 m/s²

Q88 General Science **ENGLISH**

An object is placed on a shelf 2 m above the ground. If the shelf is raised to 4 m, what happens to the potential energy of the object?

- A. The potential energy remains the same
- B. The potential energy halves
- C. The potential energy doubles** ✓
- D. The potential energy triples



Q89 General Science **ENGLISH**

A room heater and an electric bulb both convert electrical energy to heat, but why does only the bulb emit significant visible light?

- A. The heater is made of a different material
- B. The bulb's filament reaches a higher temperature, emitting visible light ✓
- C. The heater uses magnetic effect instead of heating effect
- D. The circuit design is different

Q90 General Science **ENGLISH**

Why do wet clothes dry faster when spread out?

- A. Clothes become hotter
- B. Water boils off
- C. Water escapes faster due to sunlight
- D. Surface area is increased ✓

Q91 General Science **ENGLISH**

In a parallel combination of three resistors, which statement correctly describes the total current in the circuit?

- A. It is the average of the currents through each resistor
- B. It is equal to the current through the resistor with the lowest resistance
- C. It is equal to the sum of the currents through each resistor ✓
- D. It is the same as the current through each resistor

Q92 General Science **ENGLISH**

Which of the following best supports the concept that matter is made-up of particles?

- A. Ice melts to form water
- B. Water boils at 100°C
- C. A drop of ink spreads uniformly in water ✓
- D. Metals conduct electricity

Q93 General Science **ENGLISH**

Which of the following will diffuse slowest in air?

- A. Oxygen
- B. Ammonia
- C. Hydrogen
- D. Chlorine ✓

Q94 General Science **ENGLISH**

Which statement best explains why blood cells are **NOT** found in the urine of a healthy person?

- A. They are broken down in the kidneys
- B. They are filtered and returned to the blood
- C. They are too large to pass through glomerular pores ✓
- D. They are reabsorbed in tubules

Q95 General Science **ENGLISH**

A ball initially at rest is dropped from a height and takes 5 seconds to reach the ground. What is the average speed during its fall? ($g = 10 \text{ m/s}^2$)

- A. 50 m/s
- B. 10 m/s
- C. 20 m/s
- D. 25 m/s ✓

Q96 General Science **ENGLISH**

Chloroplast is present in which of the following parts of a cell?

- A. Endoplasmic reticulum
- B. Cytoplasm ✓
- C. Nucleoplasm
- D. Peroxisome

Q97 General Science **ENGLISH**

Which property correctly distinguishes liquids from solids?

- A. Liquids cannot diffuse into other substances
- B. Liquids have fixed shape but no fixed volume
- C. Liquids have fixed volume but no fixed shape ✓
- D. Liquids are completely incompressible in nature



Q98 General Science **ENGLISH**

Which of the following does NOT define the motion of a pendulum swinging back and forth?

- A. The pendulum exhibits uniform motion** ✓
- B. The pendulum exhibits periodic motion
- C. The pendulum exhibits accelerated motion
- D. The pendulum exhibits non-uniform motion

Q99 General Science **ENGLISH**

When magnesium reacts with oxygen to form magnesium oxide, which of the following statements is NOT correct?

- A. The compound formed contains ionic bonds.
- B. Oxygen gains electrons to form O^{2-} ions.
- C. Magnesium loses electrons to form Mg^{3+} ions.** ✓
- D. Magnesium loses electrons to form Mg^{2+} ions.

Q100 General Science **ENGLISH**

Match the tobacco practice with the long-term consequences of consuming it.

	Column A		Column B
(a)	Cigarette smoking	(i)	Oral cancer
(b)	Chewing tobacco	(ii)	Emphysema
(c)	Passive smoking	(iii)	Respiratory infections
(d)	Long-term nicotine exposure	(iv)	Cardiovascular disorders

- A. a-ii, b-i, c-iii, d-iv
- B. a-ii, b-i, c-iv, d-iii** ✓
- C. a-iv, b-ii, c-i, d-iii
- D. a-i, b-iii, c-ii, d-iv



Mathematics

31 Questions • Answer Key

Q1 Mathematics ENGLISH

A train moves 120 km at 60 km/h and then another 60 km at 30 km/h. What is the average speed for the entire journey?

- A. 40 km/h
- B. 50 km/h
- C. 45 km/h
- D. 30 km/h



Q2 Mathematics ENGLISH

P gives Q a head-start of 10 seconds in a 600 m race, but both finish the race at the same time. Find the time taken by P to finish the race if the speed of Q is 4 m/sec.

- A. 142 Seconds
- B. 144 Seconds
- C. 146 Seconds
- D. 140 Seconds



Q3 Mathematics ENGLISH

The height of a tree varies as the square root of its age. When the age of the tree is 324 years, its height is 19 feet. What will be the height of the tree (in feet) at the age of 81 years?

- A. 9.14
- B. 9.5
- C. 8.39
- D. 9.01



Q4 Mathematics ENGLISH

If the cost price of 24 articles is equal to the selling price of 15 articles, then find the percentage of profit.

- A. 60%
- B. 71%
- C. 40%
- D. 55%



Q5 Mathematics ENGLISH

A student scored 60, 70, and 80 in three subjects with weights 2, 3, and 5, respectively. What is the weighted mean score?

- A. 71
- B. 77
- C. 73
- D. 75



Q6 Mathematics ENGLISH

The ratio of the cost prices of articles X and Y is 3 : 7. A man earns a profit of 49% by selling X and loses 16% by selling Y. What is his gain/loss percentage in the entire transaction?

- A. Loss, 5%
- B. Gain, 3%
- C. Loss, 3.5%
- D. Gain, 3.5%



Q7 Mathematics ENGLISH

The lengths of the three sides of a triangle are 13 cm, 14 cm and 15 cm, respectively. Find the area (in cm^2) of the incircle of this triangle. [Use $\pi = 3.14$]

- A. 50.24
- B. 56.52
- C. 53.38
- D. 47.10



Q8 Mathematics ENGLISH

Gopal has borrowed an amount of ₹420000 from a bank to start a business. How much simple interest (in ₹) will he pay at a rate of 5% per annum after 4 years?

- A. 82000
- B. 84000
- C. 83000
- D. 85000



Q9 Mathematics **ENGLISH**

The total surface area (in m^2) of a cube, each of whose edges measures 285 m, is:

A. 487344

B. 487350



C. 487362

D. 487308

Q10 Mathematics **ENGLISH**

A and B can complete a work in 15 days and 10 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. 13

C. 11

D. 12

**Q11 Mathematics** **ENGLISH**

The average of the first 18 positive multiples of 7 is:

A. 66.5



B. 18

C. 63

D. 7

Q12 Mathematics **ENGLISH**

The sum of the squares of two consecutive even natural numbers is 3700. The sum of the numbers is:

A. 72

B. 86



C. 96

D. 80

Q13 Mathematics **ENGLISH**

If $2 : 4 :: 4.6 : x$ and $4 : 16 :: 2 : y$, what is the ratio of x to y ?

A. 21 : 21

B. 27 : 30

C. 24 : 18

D. 23 : 20

**Q14 Mathematics** **ENGLISH**

In an election between two candidates, 86% of the registered voters cast their votes and 6% of the votes polled were found invalid. The winning candidate got 58% of the valid votes and won the election by a margin of 202100 votes. How many voters were registered?

A. 1562200

B. 1562800

C. 1562500



D. 1562400

Q15 Mathematics **ENGLISH**

The radius of a solid right circular cone is 24 cm and its height is 32 cm. The total surface area of the cone is:

A. $960\pi \text{ cm}^2$



B. $1536\pi \text{ cm}^2$

C. $576\pi \text{ cm}^2$

D. $1728\pi \text{ cm}^2$

Q16 Mathematics **ENGLISH**

A grocer wishes to sell a mixture of two varieties of rice worth ₹56 per kg. In what ratio must he mix the rice to reach this selling price, when cost of one variety of rice is ₹54 per kg and the other is ₹64 per kg?

A. 3 : 1

B. 3 : 2

C. 4 : 1



D. 2 : 3



Q17 Mathematics ENGLISH

Which of the following numbers is divisible by both 9 and 43?

A. 7095

B. 8901



C. 7230

D. 10710

Q18 Mathematics ENGLISH

Garima bought an original hardbound book for ₹56,000. Its value depreciates by 5% per year. What will be the price (in ₹) of the book after 3 years?

A. 48,713

B. 47,052

C. 48,013



D. 48,512

Q19 Mathematics ENGLISH

Two trains having lengths of 430 m and 120 m are running at speeds of 70 km/h and 100 km/h, respectively, in the same direction. The time taken (in minutes) by the faster train, coming from behind, to completely cross the other train is:

A. 3.2

B. 4.1

C. 1.1



D. 1.6

Q22 Mathematics ENGLISH

The value of $\sqrt{\left(90 + \sqrt{\left(97 + \sqrt{\left(4 + \sqrt{\left(19 + \sqrt{(36)}\right)}\right)}\right)}\right)}$ is:

A. 9

B. 10



C. 12

D. 7

Q20 Mathematics ENGLISH

The equations $x^2 - 5x + 6 = 0$ and $x^2 + ax + b = 0$, have exactly one common root, and the other root of the second equation is -4 . Among the following, which are the possible values of a and b ?

A. $a=2, b=-8$



B. $a=5, b=-20$

C. $a=3, b=-6$

D. $a=1, b=12$

Q21 Mathematics ENGLISH

Rupesh's salary was first reduced by 44% and subsequently raised by 15%. How much percentage was his final salary lower compared to his initial salary?

A. 15%

B. 29%

C. 35.6%



D. 6.6%



Q23 Mathematics ENGLISH

[Question text / figure not saved in the source paper record. Options and official answer as released.]

A. $\frac{73}{48}$



B. $\frac{79}{48}$

C. $\frac{67}{48}$

D. $\frac{71}{48}$

Q24 Mathematics ENGLISH

If $x^2 - kx - 49 = 0$ and $x^2 - 5kx + 11 = 0$ ($k > 0$) have a common root, then the value of k is:

A. $\frac{15}{2}$

B. $\frac{15}{7}$

C. $\frac{15}{8}$



D. $\frac{15}{4}$

Q25 Mathematics ENGLISH

If $m + n + o = 15$ and $mn + no + om = 75$, then determine the value of $m^3 + n^3 + o^3 - 3mno$.

A. 0



B. 3

C. 5

D.



Q26 Mathematics **ENGLISH**

The HCF and the LCM of two numbers are 15 and 300, respectively. If one of the numbers is $\frac{5}{4}$ times of the other, what is the larger number?

A. 110

B. 84

C. 75



D. 88

Q27 Mathematics **ENGLISH**

The mean marks of the following distribution is:

Marks Obtained	No. of Students
36	12
35	11
93	18
17	5

A. 56



B. 75

C. 60

D. 72

Q28 Mathematics **ENGLISH**

Two inlet pipes A and B and one outlet pipe O are attached to a cistern. Pipe A fills the cistern in 8 hours, pipe B in 12 hours, and the outlet O can empty a full cistern in 24 hours. If all three pipes are opened simultaneously, how long will it take to fill the cistern?

A. 6 hours



B. 6.8 hours

C. 6.5 hours

D. 5.5 hours

Q29 Mathematics **ENGLISH**

Simplify: $88 - 1 \times (5 + 12) - 19$

A. 60

B. 52



C. 62

D. 54



Q30 Mathematics **ENGLISH**

If $5\sin Y + \cos Y = \sqrt{2}\sin Y$, then find the value of $\tan Y$.

A. $\frac{-5 - \sqrt{2}}{28}$

B. $\frac{-5 - \sqrt{2}}{23}$ ✓

C. $\frac{-5 - \sqrt{2}}{33}$

D. $\frac{-6 - \sqrt{2}}{23}$

Q31 Mathematics **ENGLISH**

A trader gives 8% discount on the marked price of an article and gives 3 articles free for buying 18 articles and gains 38% in the entire transaction. Assuming a customer pays for 18 articles, the marked price of an article is what percent more than its cost price?

A. 70%

B. 85%

C. 75% ✓

D. 79%

General Intelligence and Reasoning

25 Questions • Answer Key

Q32 General Intelligence and Reasoning **ENGLISH**

Seven people, A, L, M, I, R, H and S, are sitting in a row, facing north.

Only A sits to the left of S. Only four people sit between A and H. Only I sits between L and R and L is not an immediate neighbor of H.

Who sits at the extreme right of the line?

A. R

B. H

C. A

D. M ✓

Q33 General Intelligence and Reasoning **ENGLISH**

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

DIB FKD HMF JOH ?

A. LRJ

B. LQI

C. LRI

D. LQJ ✓



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Q34 General Intelligence and Reasoning **ENGLISH**

H is the brother of A. R is the sister of K. P is the son of K. K is the wife of A. How is H related to R?

A. Sister's husband's brother



B. Husband's father

C. Husband's brother

D. Sister's husband's father

Q35 General Intelligence and Reasoning **ENGLISH**

U, V, W, X, Y, and Z live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2, and so on, till the topmost floor is numbered 6. Only two people live between W and Z. Only X lives above V. Y lives on an even-numbered floor. W lives on the lowermost floor. How many people live between U and X?

A. Two



B. One

C. Three

D. Four

Q36 General Intelligence and Reasoning **ENGLISH**

M, A, T, H and S, each have different ages and all ages are integers. M is younger than only two persons. H is 88 years old, which is the second highest age. S is younger than M but older than A. Who is the eldest?

A. T



B. A

C. S

D. H

Q37 General Intelligence and Reasoning **ENGLISH**

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

$$7-24\times6\div18+7=?$$

A. 48

B. 40

C. 39



D. 45

Q38 General Intelligence and Reasoning **ENGLISH**

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

5 people - P, Q, X, Y and Z, have an exam on different days of the same week between Monday and Friday. Who has an exam on Thursday?

I. Q has an exam on Tuesday. No one has an exam

between P and Q. Z has an exam immediately after X.

II. X has an exam on one of the days after Q. Only three people have an exam between P and Y

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

B. Data in statements I and II together (and not statement I alone or statement II alone) is sufficient to answer the question



C. Data in statements I and II together is NOT sufficient to answer the question

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

Q39 General Intelligence and Reasoning **ENGLISH**

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.)

(136, 220, 84)

(144, 240, 96)

A. (164, 254, 92)

B. (140, 238, 98)



C. (156, 210, 56)

D. (152, 260, 88)



Q40 General Intelligence and Reasoning **ENGLISH**

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

(Left) H F % G R @ # S \$ M * % & N E Q Z U L @ T W
(Right)

If all the symbols are dropped from the series, which of the following will be fourth from the right?

A. Q

B. L

C. Z

D. U

**Q41** General Intelligence and Reasoning **ENGLISH**

24 is related to 270 following a certain logic. Following the same logic, 31 is related to 340. To which of the following is 43 related, following the same logic? (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

A. 450

B. 430

C. 420

D. 460

**Q42** General Intelligence and Reasoning **ENGLISH**

In a certain code,
'big grand wedding' is coded as 'rc af bg'
'grand birthday celebration' is coded as 'kp vg rc'
'enjoy big celebration' is coded as 'af zd vg'
(all the codes are two letter coded only)
What is the possible code for 'birthday bash'?

A. kp rc

B. kp tn



C. rc zd

D. bg vg

Q43 General Intelligence and Reasoning **ENGLISH**

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

(Left) 453 914 527 658 715 (Right)

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

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

What will be the resultant if the third digit of the highest number is multiplied with the second digit of the lowest number?

A. 17

B. 19

C. 20



D. 18

Q44 General Intelligence and Reasoning **ENGLISH**

In a certain code language,
'A + B' means 'A is the son of B',
'A - B' means 'A is the sister of B',
'A x B' means 'A is the wife of B' and
'A ÷ B' means 'A is the father of B'.

How is Q related to D if 'Q + E ÷ R - C x D'?

A. Father

B. Brother

C. Wife's father

D. Wife's brother

**Q45** General Intelligence and Reasoning **ENGLISH**

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

NQ-KO-IL

FI-CG-AD

A. JM-GK-EH



B. IM-GL-FH

C. IM-GK-FH

D. JM-GK-FH



Q46 General Intelligence and Reasoning **ENGLISH**

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

6 10 38 106 326 ?

A. 980

B. 923

C. 958

D. 970

**Q47** General Intelligence and Reasoning **ENGLISH**

Six friends, O, P, Q, G, H and I, live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on, till the topmost floor, which is numbered 6. Only two people live between O and H. O lives above P. Only two people live between Q and P. Only one person lives between G and P. G lives on floor numbered 1. How many people live above I?

A. Two



B. One

C. Three

D. None

Q48 General Intelligence and Reasoning **ENGLISH**

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

2 7 22 67 ?

A. 203

B. 202



C. 201

D. 204

Q49 General Intelligence and Reasoning **ENGLISH**

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

Statements:

All cups are glasses.

All glasses are bottles.

All bottles are jars.

Conclusions:

(I): All cups are bottles.

(II): All glasses are jars.

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



B. Only conclusion (I) follows.

C. Only conclusion (II) follows.

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

Q50 General Intelligence and Reasoning **ENGLISH**

RD 15 is related to UI -1 in a certain way. In the same way, WG 13 is related to ZL -3. To which of the following is OG 1 related, following the same logic?

A. RL -15



B. JK -12

C. HU -10

D. KO -16

Q51 General Intelligence and Reasoning **ENGLISH**

In a certain code,

'boy likes games' is coded as 'tu vw xy'

'girl likes music' is coded as 'za vw rs'

'music games hobby' is coded as 'rs xy pq'

Q. What is the code for **hobby** ?

A. xy

B. rs

C. vw

D. pq



Q52 General Intelligence and Reasoning **ENGLISH**

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

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

A. SU - KM

B. XZ - PR

C. QS - IK

D. LN - CE

**Q53** General Intelligence and Reasoning **ENGLISH**

This question is based on the words given below.

IRE AWE DAY FUR

In each of the words, each vowel is changed to the second letter preceding it in the English alphabetical order, and each consonant is changed to the letter immediately following it in the English alphabetical order. In how many letter-clusters thus formed will no vowel appear?

A. Four

B. Two

C. Three



D. One

Q54 General Intelligence and Reasoning **ENGLISH**

Ajay starts from Point A and drives 6 km towards north. He then takes a left turn, drives 5 km, turns left and drives 15 km. He then takes a left turn and drives 12 km. He takes a final left turn, drives 9 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

A. 6 km to the east

B. 7 km to the west



C. 7 km to the east

D. 6 km to the west

Q55 General Intelligence and Reasoning **ENGLISH**

18 is related to 270 following a certain logic. Following the same logic, 21 is related to 315. To which of the following is 24 related, following the same logic?

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

A. 390

B. 370

C. 360



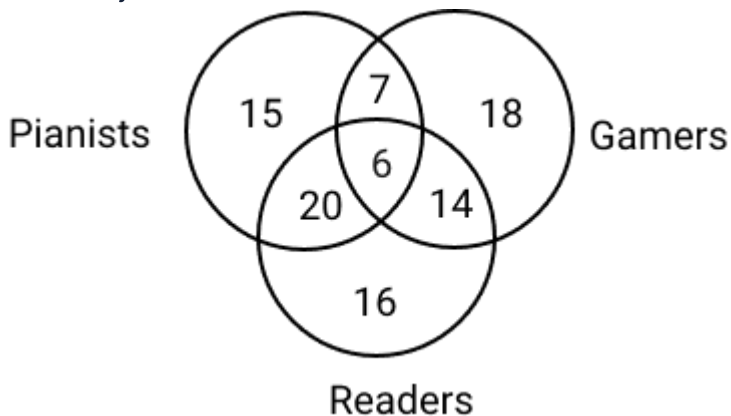
D. 375



Q56 General Intelligence and Reasoning **ENGLISH**

Study the given Venn diagram carefully and answer the question. The numbers in different sections indicate the number of persons. (NOTE: You have to take the given data to be true even if they seem to be at variance from commonly known facts.)

How many Pianists are Readers but not Gamers?



A. 14

B. 15

C. 20



D. 18

General Awareness

18 Questions • Answer Key

Q57 General Awareness **ENGLISH**

Which Fundamental Duty was added by the 86th Constitutional Amendment in 2002?

A. To promote harmony among all people of India

B. To provide opportunities for education to children aged 6–14 years



C. To safeguard public property

D. To uphold and protect the sovereignty of India

Q58 General Awareness **ENGLISH**

A town replaces all plastic bags with cloth bags. Which chain reaction is expected in the ecosystem?

A. More plastic accumulates in water bodies

B. Cloth bags cause soil toxicity

C. Plastic still enters the food chain

D. Reduced pollution and decreased biological magnification

**Q59** General Awareness **ENGLISH**

Which of the following Acts in India specifically deals with controlling air pollution?

A. Air (Prevention and Control of Pollution) Act, 1988

B. Air (Prevention and Control of Pollution) Act, 1981



C. Air (Prevention and Control of Pollution) Act, 1990

D. Air (Prevention and Control of Pollution) Act, 1984

Q60 General Awareness **ENGLISH**

Which Indian player was appointed as the co-chair of the International Hockey Federation's new FIH Athletes Committee in 2024?

A. Raj Kumar Pal

B. PR Sreejesh



C. Harmanpreet Singh

D. Amit Rohidas



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Q61 General Awareness **ENGLISH**

What is the theme of the STREE Summit 2025, as inferred from its description?

- A. "Empowering Women, Empowering Society"
- B. "Gender Equality: A Path to Progress"
- C. "Women's Rights are Human Rights"
- D. "She Triumphs Through Respect, Equality, and Empowerment" ✓

Q62 General Awareness **ENGLISH**

What was a consequence of the economic structure in India between 1947 and 1991?

- A. High levels of foreign direct investment
- B. Rapid technological advancement in all sectors
- C. Full privatization of the public sector
- D. Slow industrial growth due to heavy regulation and protectionism ✓

Q63 General Awareness **ENGLISH**

Which of the following is an advantage of paper cups over plastic cups?

- A. They are stronger
- B. They are biodegradable ✓
- C. They are reusable
- D. They are cheaper

Q64 General Awareness **ENGLISH**

Who is the chairperson of the RBI's committee formed to develop the Framework for Responsible and Ethical AI (FREE-AI) in the financial sector as of December 2024?

- A. Professor Pushpak Bhattacharyya from IIT Bombay ✓
- B. Dr. Rajeev Chandrasekhar from Ministry of Electronics
- C. Dr. Krishnamurthy Subramanian from IMF Board
- D. Professor K. VijayRaghavan from Office of PSA

Q65 General Awareness **ENGLISH**

Which of the following is/are correct about C. Vijayaraghavachariar?

- I. He was called 'The Hero of Salem'.
- II. He was known as the 'Lion of North India'.

- A. Both I and II
- B. Neither I nor II
- C. Only II
- D. Only I ✓

Q66 General Awareness **ENGLISH**

What is the origin of the material that makes up the Bhabar belt?

- A. Weathering of local rocks
- B. Debris washed down from high ranges ✓
- C. Glacial deposits
- D. Aeolian deposits

Q67 General Awareness **ENGLISH**

Which of the following islands is the southernmost point of India?

- A. Little Andaman
- B. Car Nicobar
- C. Kavaratti
- D. Indira Point ✓

Q68 General Awareness **ENGLISH**

In a pond ecosystem, removal of phytoplankton would most directly affect _____.

- A. Abiotic components
- B. Secondary consumers like fish-eating birds
- C. Decomposers only
- D. Primary consumers like zooplankton ✓



Q69 General Awareness **ENGLISH**

Prafulla Chaki and Khudiram Bose are known for their attempt to assassinate which British official?

- A. Lord Curzon
- B. Douglas Kingsford
- C. John Morley
- D. Lord Minto

Q70 General Awareness **ENGLISH**

The Alapana in Carnatic music is equivalent to which part in Hindustani music?

- A. Alap
- B. Bandish
- C. Sargam
- D. Taan

Q71 General Awareness **ENGLISH**

In 1964, who chaired the Committee on Prevention of Corruption and suggested the Central Vigilance Commission be established?

- A. G K Pillai
- B. G V Ramakrishna
- C. K. Santhanam
- D. P K Mohanty

Q72 General Awareness **ENGLISH**

According to the Global Firepower Index 2025, what is India's global rank in terms of conventional military strength?

- A. 5th
- B. 3rd
- C. 2nd
- D. 4th

Q73 General Awareness **ENGLISH**

Open Market Operations (OMOs) are conducted by RBI to control _____.

- A. Money supply
- B. Foreign trade
- C. State budgets
- D. Corporate profits

Q74 General Awareness **ENGLISH**

In December 2024, Masli, a village in which state, became the first border solar village in India?

- A. Odisha
- B. Karnataka
- C. Gujarat
- D. Madhya Pradesh

General Science

26 Questions • Answer Key

Q75 General Science **ENGLISH**

Which of the following is a biotic factor causing storage losses in grains?

- A. Moisture
- B. Temperature
- C. Sunlight
- D. Insects

Q76 General Science **ENGLISH**

Which pair of olfactory indicators loses its smell in a basic solution?

- A. Onion and blue litmus
- B. Vanilla essence and clove oil
- C. Turmeric and onion
- D. Phenolphthalein and onion



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Q77 General Science **ENGLISH**

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

Statement A: While writing the chemical formula of a compound, the total positive and negative charges must balance each other.

Statement B: Balancing valencies ensures that the compound formed is electrically neutral.

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

Q78 General Science **ENGLISH**

Why is intracellular digestion suitable for unicellular organisms?

- A. They have large body cavities.
- B. They lack specialized digestive organs. ✓
- C. They lack digestive enzymes.
- D. They depend on external digestion.

Q79 General Science **ENGLISH**

Identify the CORRECT statement about the chlor-alkali process:

- A. Hydrogen gas is formed at the cathode and chlorine gas at the anode. ✓
- B. Sodium hydroxide is generated near the anode during electrolysis.
- C. It is used for the preparation of Na_2CO_3 solution by electrolysis of brine.
- D. NaOH is formed at the anode and chlorine gas at the cathode.

Q80 General Science **ENGLISH**

An electric refrigerator has a power rating of 500 W and is used for 6 hours each day. If the cost of electrical energy is ₹4.00 per kilowatt-hour, what will be the total cost of operating the refrigerator for 30 days?

- A. ₹180
- B. ₹360 ✓
- C. ₹300
- D. ₹240

Q81 General Science **ENGLISH**

A designer wants to create a device that spreads light from a small bulb to illuminate a wide area uniformly. Which lens should be used and why?

- A. A convex lens, because it converges light rays
- B. A plane glass, because it transmits light without bending
- C. A prism, because it bends light at an angle
- D. A concave lens, because it diverges light rays outward ✓

Q82 General Science **ENGLISH**

Which material can be magnetised using the strong magnetic field inside a solenoid?

- A. Soft iron ✓
- B. Plastic
- C. Copper
- D. Aluminum

Q83 General Science **ENGLISH**

A farmer wants to improve both the quantity and taste of honey produced on his bee farm. Which of the following strategies should he adopt?

- A. Move the apiary to an area with fewer flowers.
- B. Use only local bee varieties for honey production.
- C. Reduce the number of beehives and increase the number of bees.
- D. Increase the variety and quantity of flowering plants near the beehives. ✓

Q84 General Science **ENGLISH**

What happens to insoluble impurities during electrolytic refining?

- A. They evaporate
- B. They settle as anode mud ✓
- C. They deposit on cathode
- D. They dissolve completely



Q85 General Science **ENGLISH**

A wire of a given material has length l and cross-sectional area A , and its resistance is $9\ \Omega$. Another wire of the same material has length $l/3$ and cross-sectional area $3A$. What will be the resistance of the second wire?

A. $1\ \Omega$



B. $2\ \Omega$

C. $6\ \Omega$

D. $0.5\ \Omega$

Q86 General Science **ENGLISH**

A passenger in a moving car feels a jerk backward when the car suddenly starts. How does the first law of motion explain this experience?

A. The passenger tends to remain at rest while the car moves forward, showing inertia.



B. Friction from the seat creates the backward jerk.

C. The seat pushes the passenger forward, causing the sensation.

D. The passenger is pushed backward by the air inside the car.

Q87 General Science **ENGLISH**

What happens to the potential energy of an object if its mass is halved while its height above the ground remains constant?

A. The potential energy is halved



B. The potential energy is doubled

C. The potential energy becomes zero

D. The potential energy remains unchanged

Q88 General Science **ENGLISH**

A gardener notices fallen leaves under a tree. Which strategy of plant excretion does this illustrate, and what type of waste handling is involved?

A. Releasing waste as oxygen only.

B. Converting waste into fruits.

C. Excreting waste through roots only.

D. Storing waste in leaves that fall off.

**Q89** General Science **ENGLISH**

If atmospheric refraction did not occur, which change would be most noticeable during the observation of stars from Earth?

A. Stars would disappear from the night sky.

B. Stars would not twinkle; their light would remain steady.



C. Stars would change color rapidly.

D. Planets would twinkle like stars.

Q90 General Science **ENGLISH**

Which statement accurately describes how energy transforms during the free fall of an object under gravity?

A. Potential energy is converted into heat energy during the fall.

B. Both potential and kinetic energies remain constant.

C. Potential energy decreases while kinetic energy increases, maintaining constant total mechanical energy.



D. Potential energy and kinetic energy both decrease.

Q91 General Science **ENGLISH**

A micelle has its hydrophobic ends directed:

A. Towards the center away from water



B. Towards water molecules directly

C. Outside forming hydrogen bonds

D. Randomly in all possible directions

Q92 General Science **ENGLISH**

Washing soda is commonly used to:

A. Neutralise acids in human blood

B. Remove grease and soften water



C. Increase acidity in baked foods

D. Preserve meat for long periods



Q93 General Science **ENGLISH**

Which element exists as a monoatomic molecule?

- A. Chlorine
- B. Oxygen
- C. Argon
- D. Nitrogen



Q94 General Science **ENGLISH**

A student adds lead (II) nitrate ($\text{Pb}(\text{NO}_3)_2$) to an unknown solution. A yellow precipitate forms. What could the unknown solution be?

- A. Copper sulphate (CuSO_4)
- B. Barium sulphate (BaSO_4)
- C. Sodium chloride (NaCl)
- D. Potassium iodide (KI)



Q95 General Science **ENGLISH**

What is the reason why electrons move in a conducting wire when connected to a battery, but not when the wire is left untouched?

- A. Wire is made of copper
- B. Electrons have intrinsic energy for movement
- C. Gravity acts on electrons in the wire
- D. A battery creates a potential difference that sets electrons in motion



Q96 General Science **ENGLISH**

Why are crops with different nutrient requirements chosen for inter-cropping?

- A. To increase the duration of crop growth
- B. To prevent all pests and diseases completely
- C. To ensure maximum utilisation of nutrients supplied to the field
- D. To allow for crop rotation in succession



Q97 General Science **ENGLISH**

If the bicuspid (mitral) valve fails to close properly, which immediate effect is most likely during ventricular contraction?

- A. Mixing of oxygenated and deoxygenated blood in the ventricles
- B. Backflow of blood from the right ventricle to the right atrium
- C. Backflow of blood from the left ventricle to the left atrium
- D. Reduced flow of blood to the lungs



Q98 General Science **ENGLISH**

Why is alcohol considered a cleaner fuel than petrol?

- A. It burns without oxygen
- B. It produces less smoke
- C. It burns at low temperature
- D. It gives higher energy



Q99 General Science **ENGLISH**

Which of the following types of connective tissue is present in the larynx of a human body?

- A. Cartilage
- B. Areolar
- C. Ligament
- D. Adipose



Consider the reaction:



Which of the following statements is/are correct?

- (A) The reaction represents the oxidation of a primary alcohol to a carboxylic acid.
(B) Alkaline KMnO_4 acts as an oxidising agent.
(C) Alkaline KMnO_4 acts as a reducing agent.

A. A, B and C

B. Only A and B



C. Only A and C

D. Only B



Mathematics

30 Questions • Answer Key

Q1 Mathematics ENGLISH

In the Assumed Mean Method, if the assumed mean (A) = 55 and an observed value $x = 40$, what is the deviation d ?

A. 1.5

B. -15

C. -1.5

D. 15

Q2 Mathematics ENGLISH

Find the ratio between the fourth proportional of 8, 12 and 4, and the third proportional of 6 and 9.

A. 7:11

B. 9:13

C. 5:11

D. 4:9

Q3 Mathematics

ಒಂದು ದೋಣಿಯು ಪ್ರವಾಹದ ದಿಕ್ಕಿನಲ್ಲಿ 3 ಗಂಟೆಗಳಲ್ಲಿ 36 km ಅನ್ನು ಕ್ರಮಿಸುತ್ತದೆ ಮತ್ತು ಪ್ರವಾಹದ ವಿರುದ್ಧದ ದಿಕ್ಕಿನಲ್ಲಿ ಅದೇ ದೂರವನ್ನು 5 ಗಂಟೆಗಳಲ್ಲಿ ಕ್ರಮಿಸಿ ಹಿಂತಿರುಗುತ್ತದೆ. ಹಾಗಾದರೆ ನಿಂತ ನೀರಿನಲ್ಲಿ ದೋಣಿಯ ವೇಗ ಎಷ್ಟು?

A. ಗಂಟೆಗೆ 11.7 km

B. ಗಂಟೆಗೆ 8.5 km

C. ಗಂಟೆಗೆ 9.6 km

D. ಗಂಟೆಗೆ 10.2 km

Q4 Mathematics ENGLISH

Calculate the population standard deviation of the data 13, 17, 23, 26, 31, 28, 15, 34, 17, and 26. (Round off your answer to two decimal places.)

A. 6.81

B. 7.18

C. 6.19

D. 7.26

Q5 Mathematics

13, 19, 16 ಮತ್ತು 23 ಇವುಗಳಲ್ಲಿ ಪ್ರತಿಯೊಂದಕ್ಕೂ x ಅನ್ನು ಕೂಡಿಸಿದಾಗ, ಈ ಕ್ರಮದಲ್ಲಿ ಪಡೆದ ಸಂಖ್ಯೆಗಳು ಸಮಾನಪಾತದಲ್ಲಿರುತ್ತವೆ. ಒಂದುವೇಳೆ $5x : y :: y : (8x-4)$, ಮತ್ತು $y > 0$ ಆಗಿದ್ದರೆ, y ನ ಮೌಲ್ಯ ಎಷ್ಟು?

A. 42

B. 41

C. 30

D. 37

Q6 Mathematics

ಅಕ್ಷಯ್ ಅವರು ವ್ಯವಹಾರವನ್ನು ಪ್ರಾರಂಭಿಸಲು ಬ್ಯಾಂಕಿನಿಂದ ₹ 440000 ಸಾಲ ಪಡೆದರು. 4 ವರ್ಷಗಳ ನಂತರ ಅವರು ವಾರ್ಷಿಕ 5% ದರದಲ್ಲಿ ಎಷ್ಟು ಸರಳ ಬಡ್ಡಿಯನ್ನು (₹ ಗಳಲ್ಲಿ) ಪಾವತಿಸುತ್ತಾರೆ?

A. 78000

B. 87000

C. 89000

D. 88000

Q7 Mathematics ENGLISH

The average of the first 18 positive multiples of 11 is:

A. 18

B. 11

C. 104.5

D. 99

Q8 Mathematics

ವಾರ್ಷಿಕವಾಗಿ ಚಕ್ರಬಡ್ಡಿಯನ್ನು ಲೆಕ್ಕಹಾಕುವ ವಿಧಾನದಲ್ಲಿ, ಅಮಿತ್ ಅವರು ಒಂದೇ ಮೊತ್ತದ ಹಣವನ್ನು ಸರಳಬಡ್ಡಿ ಮತ್ತು ಚಕ್ರಬಡ್ಡಿ ಎರಡರಲ್ಲೂ ಕೂಡಿಕೆ ಮಾಡಿದ್ದಾರೆ. ಎರಡೂ ಮೊತ್ತಗಳ ಅವಧಿಯು 2 ವರ್ಷಗಳು ಮತ್ತು ಬಡ್ಡಿದರವು ಸಹ ವಾರ್ಷಿಕ 10% ಆಗಿರುತ್ತದೆ. ಕೊನೆಯಲ್ಲಿ, ಅವರು ಪಡೆದ ಎರಡೂ ಬಡ್ಡಿಗಳಲ್ಲಿ ₹97 ರ ವ್ಯತ್ಯಾಸ ಕಂಡುಬರುತ್ತದೆ. ಹಾಗಾದರೆ ಕೂಡಿಕೆ ಮಾಡಲಾದ ಮೊತ್ತ (₹ ಗಳಲ್ಲಿ) ಎಷ್ಟು?

A. 10,050

B. 8,950

C. 9,700

D. 8,800



Q9 Mathematics

ಒಂದು ನಲ್ಲಿಯು ಒಂದು ತೊಟ್ಟಿಯನ್ನು 32 ಗಂಟೆಗಳಲ್ಲಿ ತುಂಬಿಸಬಲ್ಲದು. ಇನ್ನೊಂದು ನಲ್ಲಿಯು ಸಂಪೂರ್ಣವಾಗಿ ತುಂಬಿರುವ ಅದೇ ತೊಟ್ಟಿಯನ್ನು 64 ಗಂಟೆಗಳಲ್ಲಿ ಖಾಲಿ ಮಾಡಬಲ್ಲದು. ಒಂದು ವೇಳೆ ಆರಂಭದಲ್ಲಿ ತೊಟ್ಟಿಯು ಖಾಲಿಯಾಗಿದ್ದರೆ ಮತ್ತು ಎರಡೂ ನಲ್ಲಿಗಳನ್ನು ಒಟ್ಟಿಗೆ ತೆರೆದರೆ, ತೊಟ್ಟಿಯು ನಾಲ್ಕನೇ ಒಂದು ಭಾಗ ತುಂಬಲು ಎಷ್ಟು ಸಮಯ (ಗಂಟೆಗಳಲ್ಲಿ) ಬೇಕಾಗಬಹುದು?

A. 32

B. 48

C. 64

D. 16

Q10 Mathematics **ENGLISH**

The list price of a refrigerator is ₹15,000. It is sold to a retailer after two successive discounts of 32% and 40%. The retailer wants to earn a profit of 45% on his cost after allowing a 49% discount (on its new list price) to the customer. At what price should he list the refrigerator?

A. ₹17,325

B. ₹17,504

C. ₹17,400

D. ₹17,412

Q11 Mathematics

ಐದು ವರ್ಷಗಳ ಹಿಂದೆ, ಅಮಿತ್ ಮತ್ತು ಭಾನು ಅವರ ವಯಸ್ಸುಗಳ ನಡುವಿನ ಅನುಪಾತ 2 : 3 ಆಗಿತ್ತು. ಈಗಿನಿಂದ ಹದಿನೈದು ವರ್ಷಗಳ ನಂತರ, ಅವರ ವಯಸ್ಸುಗಳು 5 : 6 ರ ಅನುಪಾತದಲ್ಲಿರುತ್ತದೆ. ಅವರ ಪ್ರಸ್ತುತ ವಯಸ್ಸುಗಳ ಮೊತ್ತವನ್ನು ಕಂಡುಹಿಡಿಯಿರಿ. (ಒಂದುವೇಳೆ ಅಗತ್ಯವಿದ್ದರೆ, ನಿಮ್ಮ ಉತ್ತರವನ್ನು ವರ್ಷಗಳು ಮತ್ತು ತಿಂಗಳುಗಳಲ್ಲಿ ನೀಡಿ.)

A. 43 ವರ್ಷಗಳು, 4 ತಿಂಗಳುಗಳು

B. 43 ವರ್ಷಗಳು, 3 ತಿಂಗಳುಗಳು

C. 43 ವರ್ಷಗಳು

D. 80 ವರ್ಷಗಳು

Q12 Mathematics

ಚೇತನ್ ಅವರ ಮಾಸಿಕ ಆದಾಯ ₹60,000 ಆಗಿದೆ ಮತ್ತು ಅವರ ಖರ್ಚು ₹35,000 ಆಗಿದೆ. ಒಂದು ವೇಳೆ ಅವರ ಆದಾಯವು 25% ಹೆಚ್ಚಾದರೆ ಮತ್ತು ಅವರ ಖರ್ಚು 15% ಹೆಚ್ಚಾದರೆ, ಅವರ ಉಳಿತಾಯದಲ್ಲಿನ ಶೇಕಡಾವಾರು ಹೆಚ್ಚಳ ಎಷ್ಟು?

A. 36%

B. 39%

C. 38%

D. 35%

Q13 Mathematics

ಒಂದು ಪರೀಕ್ಷೆಯಲ್ಲಿ ಗಿರೀಶ್ 695 ಅಂಕಗಳನ್ನು ಗಳಿಸಿದನು ಮತ್ತು ಅವನ ಅಂಕಗಳು ಗರಿಷ್ಠ ಅಂಕಗಳ 89% ಕ್ಕೆ 17 ಅಂಕಗಳಷ್ಟು ಕಡಿಮೆ ಇದ್ದವು. ಅದೇ ಪರೀಕ್ಷೆಯಲ್ಲಿ, ಅವನ ಸ್ನೇಹಿತನು 688 ಅಂಕಗಳನ್ನು ಗಳಿಸಿದನು. ಹಾಗಾದರೆ ಅವನ ಸ್ನೇಹಿತನು ಗಳಿಸಿದ ಅಂಕಗಳ ಶೇಕಡಾವಾರು ಎಷ್ಟು?

A. 83%

B. 86%

C. 84%

D. 87%

Q14 Mathematics

kg ಗೆ ₹34 ಬೆಲೆಯ ಮತ್ತು kg ಗೆ ₹58 ಬೆಲೆಯ ಎರಡು ಬಗೆಯ ಸಕ್ಕರೆಗಳನ್ನು ಮಿಶ್ರಣ ಮಾಡಿ, ಆ ಮಿಶ್ರಣವನ್ನು kg ಗೆ ₹52.80 ಬೆಲೆಯಲ್ಲಿ ಮಾರಾಟ ಮಾಡಿ, 32% ಲಾಭವನ್ನು ಗಳಿಸಬೇಕಾದರೆ, ಆ ಎರಡು ಬಗೆಯ ಸಕ್ಕರೆಗಳನ್ನು ಯಾವ ಅನುಪಾತದಲ್ಲಿ ಮಿಶ್ರಣ ಮಾಡಬೇಕು?

A. 5 : 2

B. 5 : 3

C. 7 : 3

D. 3 : 1

Q15 Mathematics

ಒಬ್ಬ ರೈತನು 95 ಮಾವಿನ ಗಿಡಗಳು, 171 ಅಲದ ಗಿಡಗಳು ಮತ್ತು 152 ಬಾಳೆ ಗಿಡಗಳನ್ನು ಸಮಾನ ಸಾಲುಗಳಲ್ಲಿ (ಗಿಡಗಳ ಸಂಖ್ಯೆಯ ಪ್ರಕಾರ) ನೆಡಲು ಬಯಸುತ್ತಾನೆ. ಅಲ್ಲದೆ ಅವನು ಪ್ರತಿ ಸಾಲಿನಲ್ಲಿ ಒಂದೇ ಪ್ರಕಾರದ ಗಿಡಗಳನ್ನು ಹೊಂದಿರುವ ವಿಭಿನ್ನ ಸಾಲುಗಳನ್ನು ರಚಿಸಲು ಬಯಸುತ್ತಾನೆ. ಹಾಗಾದರೆ ಅಗತ್ಯವಿರುವ ಕನಿಷ್ಠ ಸಾಲುಗಳ ಸಂಖ್ಯೆಯನ್ನು ಕಂಡುಹಿಡಿಯಿರಿ.

A. 22

B. 23

C. 19

D. 18



Q16 Mathematics

X ಮತ್ತು Y ಎಂಬ ವಸ್ತುಗಳ ಅಸಲು ಬೆಲೆಗಳ ನಡುವಿನ ಅನುಪಾತವು 1:2 ಆಗಿದೆ. ಒಬ್ಬ ವ್ಯಕ್ತಿಯು X ವಸ್ತುವನ್ನು ಮಾರಾಟ ಮಾಡುವುದರ ಮೂಲಕ 12% ಲಾಭವನ್ನು ಗಳಿಸುತ್ತಾನೆ ಮತ್ತು Y ವಸ್ತುವನ್ನು ಮಾರಾಟ ಮಾಡುವುದರಿಂದ 36% ನಷ್ಟವನ್ನು ಅನುಭವಿಸುತ್ತಾನೆ. ಇಡೀ ವ್ಯವಹಾರದಲ್ಲಿ ಅವನಿಗೆ ಉಂಟಾದ ಒಟ್ಟಾರೆ ಶೇಕಡಾವಾರು ಲಾಭ ಅಥವಾ ನಷ್ಟ ಎಷ್ಟು?

A. ಲಾಭ, 20%

B. ಲಾಭ, 26.5%

C. ನಷ್ಟ, 20% ☒

D. ನಷ್ಟ, 24.5%

Q17 Mathematics

ಒಂದುವೇಳೆ $14.8 : x :: x : 3.7$ ಮತ್ತು $x > 0$ ಆಗಿದ್ದರೆ, x ನ ಮೌಲ್ಯ ಕಂಡುಹಿಡಿಯಿರಿ.

A. 4.1

B. 7.4 ☒

C. 11.4

D. 12.9

Q18 Mathematics

$$\sqrt{x} + \frac{1}{\sqrt{x}}$$

A. $\sqrt{\frac{2}{3}}$ B. $\sqrt{\frac{17}{2}}$ ☒C. $\sqrt{\frac{5}{3}}$ D. $\sqrt{\frac{2}{5}}$ **Q19 Mathematics**

$ax^3 - 24x^2 + 188x - 480 = 0$ ಈ ಸಮೀಕರಣದ ಮೂಲಗಳು ಮೂರು ಕ್ರಮಾನುಗತ ಸಮ ಸ್ವಾಭಾವಿಕ ಸಂಖ್ಯೆಗಳಾಗಿವೆ. ಹಾಗಾದರೆ a ಯ ಮೌಲ್ಯ ಎಷ್ಟು?

A. 3

B. 4

C. 2

D. 1 ☒**Q20 Mathematics** **ENGLISH**

A regular hexagon is inscribed in a circle. If the length of the shortest diagonal of the hexagon is 12 cm, find one-sixth of the area (in cm^2) of the region lying between the circle and the hexagon.

A. $6(2\pi - 3\sqrt{3})$ B. $4(3\pi - 2\sqrt{3})$ C. $6(3\pi - 2\sqrt{3})$ D. $4(2\pi - 3\sqrt{3})$ ☒

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Q21 Mathematics **ENGLISH**

[Question text / figure not saved in the source paper record. Options and official answer as released.]

A. $5 \frac{319}{225}$

B. $5 \frac{319}{215}$

C. $5 \frac{219}{225}$



D. $5 \frac{229}{255}$

Q22 Mathematics

ಈ ಗಣಿತೋಕ್ತಿಯ ಮೌಲ್ಯ ಎಷ್ಟು?

$$4^3 - 7^2 + \left(\frac{16}{4}\right)^2 - 4 + 9 \times 1 = \underline{\hspace{2cm}}$$

A. 36



B. 44

C. 33

D. 42

Q23 Mathematics

$\tan Y$

A. $\frac{-14 - \sqrt{14}}{182}$



B. $\frac{-14 - \sqrt{14}}{192}$

C. $\frac{-15 - \sqrt{14}}{182}$

D. $\frac{-14 - \sqrt{14}}{187}$



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Q24 Mathematics

ಒಬ್ಬ ಅಂಗಡಿಯವನು ತನ್ನ ಸರಕುಗಳನ್ನು ಅಸಲು ಬೆಲೆಗೆ ಮಾರಾಟ ಮಾಡುತ್ತಾನೆ. ಒಂದುವೇಳೆ ತಪ್ಪಾದ ತೂಕದ ಬಟ್ಟುಗಳನ್ನು ಬಳಸಿಕೊಂಡು $3\frac{19}{27}\%$ ಲಾಭವನ್ನು ಗಳಿಸಿದರೆ, ಅವನು 1 kg ಬದಲಿಗೆ ಎಷ್ಟು ತೂಕವನ್ನು ಬಳಸುತ್ತಾನೆ (g ಗಳಲ್ಲಿ, 2 ದಶಮಾಂಶ ಸ್ಥಾನಗಳಿಗೆ ಸೀಮಿತಗೊಳಿಸಿ)?

A. 987.35

B. 954.79

C. 964.29

D. 938.99

**Q25 Mathematics**

ಒಂದು ಕೆಲಸವನ್ನು A ಅವರು 9 ದಿನಗಳಲ್ಲಿ ಮತ್ತು B ಅವರು 12 ದಿನಗಳಲ್ಲಿ ಮಾಡಬಲ್ಲರು. ಅವರು B ಅವರಿಂದ ಪ್ರಾರಂಭಿಸಿ ಪರ್ಯಾಯ ದಿನಗಳಲ್ಲಿ ಕೆಲಸ ಮಾಡುತ್ತಾರೆ. ಹಾಗಾದರೆ ಎಷ್ಟು ದಿನಗಳಲ್ಲಿ ಆ ಕೆಲಸವನ್ನು ಪೂರ್ಣಗೊಳಿಸುತ್ತಾರೆ?

A. $8\frac{1}{3}$ B. $12\frac{1}{3}$ C. $10\frac{1}{3}$ D. $9\frac{1}{3}$ **Q26 Mathematics**

$15x^2 - x - 2 = 0$ ಈ ವರ್ಗ ಸಮೀಕರಣದ ಮೂಲಗಳನ್ನು ಕಂಡುಹಿಡಿಯಿರಿ.

A. $x = \frac{1}{3}$ $x = \frac{-2}{5}$ B. $x = \frac{-1}{3}$ $x = \frac{-2}{5}$ C. $x = \frac{-1}{3}$ $x = \frac{2}{5}$ D. $x = \frac{1}{3}$ $x = \frac{2}{5}$ **Q27 Mathematics**

ಒಂದು ಶಂಕುವಿನ ತ್ರಿಜ್ಯ ಮತ್ತು ಓರೆ ಎತ್ತರ ಕ್ರಮವಾಗಿ 59.5 cm ಮತ್ತು 85 cm ಆಗಿದ್ದರೆ, ಅದರ ಒಟ್ಟು ಮೇಲ್ಮೈ ವಿಸ್ತೀರ್ಣವನ್ನು ಕಂಡುಹಿಡಿಯಿರಿ.

$\pi = \frac{22}{7}$ ಬಳಸಿ.

A. 27,021.5 cm²B. 27,000.5 cm²C. 30,021.5 cm²D. 28,021.5 cm²

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Q28 Mathematics

ಸರಳೀಕರಿಸಿ: $110 - 42 \times (5 + 6) - 6$

A. -363

B. -350

C. -348

D. -358 ☒**Q29 Mathematics**

ಪಾದದ ವ್ಯಾಸ 14 ಮೀಟರ್ ಇರುವ ಮತ್ತು 9.5 ಮೀಟರ್ ಓರೆ ಎತ್ತರವಿರುವ ಒಂದು ಶಂಕುವಿನಾಕಾರದ ಡೇರೆಯನ್ನು ನಿರ್ಮಿಸಲು 2 ಮೀಟರ್ ಅಗಲದ ಎಷ್ಟು ಮೀಟರ್ ಬಟ್ಟೆ ಬೇಕಾಗುತ್ತದೆ?

($\pi = \frac{22}{7}$ ಬಳಸಿ)

A. 114.5

B. 109.5

C. 104.5 ☒

D. 124.5

Q30 Mathematics

W ಅವರು 425 km, 946 km ಮತ್ತು 340 km ದೂರಗಳನ್ನು ಕ್ರಮವಾಗಿ 5 km/hr, 43 km/hr ಮತ್ತು 34 km/hr ವೇಗದಲ್ಲಿ ಪ್ರಯಾಣಿಸಿದರು. ಹಾಗಾದರೆ ಅವರ ಸರಾಸರಿ ವೇಗವನ್ನು (km/hr ಗಳಲ್ಲಿ) ಕಂಡುಹಿಡಿಯಿರಿ.

A. $14\frac{75}{117}$ B. $14\frac{73}{117}$ ☒C. $14\frac{71}{117}$ D. $14\frac{70}{117}$ 

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Q31 General Intelligence and Reasoning

ಈ ಕೆಳಗಿನ ಗಣಗಳಲ್ಲಿನ ಸಂಖ್ಯೆಗಳು ಯಾವ ರೀತಿ ಪರಸ್ಪರ ಸಂಬಂಧ ಹೊಂದಿವೆಯೋ ಅದೇ ರೀತಿಯ ಸಂಬಂಧವನ್ನು ಹೊಂದಿರುವ ಗಣವನ್ನು ಆಯ್ಕೆಮಾಡಿ.

(ಸೂಚನೆ: ಸಂಖ್ಯೆಗಳನ್ನು ಅವುಗಳ ಬಿಡಿ ಅಂಕಗಳಾಗಿ ವಿಭಜಿಸದೆ, ಪೂರ್ಣ ಸಂಖ್ಯೆಗಳ ಮೇಲೆ ಕ್ರಿಯೆಗಳನ್ನು ನಿರ್ವಹಿಸಬೇಕು. ಉದಾ: 13 ಅನ್ನು ತೆಗೆದುಕೊಳ್ಳೋಣ. 13ಕ್ಕೆ ಕೂಡಿಸುವುದು/ಕಳೆಯುವುದು/ಗುಣಿಸುವುದು ಇತ್ಯಾದಿ ಕ್ರಿಯೆಗಳನ್ನು ಮಾಡಬಹುದು. 13 ಅನ್ನು 1 ಮತ್ತು 3 ಎಂದು ವಿಭಜಿಸಿ ನಂತರ 1 ಮತ್ತು 3 ರ ಮೇಲೆ ಗಣಿತದ ಕ್ರಿಯೆಗಳನ್ನು ಮಾಡಲು ಅವಕಾಶವಿಲ್ಲ.)

(13, 91, 27)

(19, 133, 39)

A. (26, 130, 53)

B. (25, 175, 50)

C. (20, 140, 41)

D. (29, 210, 57)

Q32 General Intelligence and Reasoning **ENGLISH**

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

Statements:

All apples are mangos.

All mangos are balls.

No ball is a cat.

Conclusions:

(I): No apple is a cat.

(II): Some balls are apples.

A. Only conclusion (II) follows

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

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

D. Only conclusion (I) follows

Q33 General Intelligence and Reasoning

ಕೊಟ್ಟಿರುವ ಸರಣಿಯಲ್ಲಿನ ಪ್ರಶ್ನಾರ್ಥಕ ಚಿಹ್ನೆಯ '?' ಜಾಗದಲ್ಲಿ ಯಾವ ಆಯ್ಕೆ ಬರಬೇಕು?

7 10 16 25 ?

A. 43

B. 34

C. 37

D. 40

Q34 General Intelligence and Reasoning

ಒಂದು ವೇಳೆ + ಎಂದರೆ -, - ಎಂದರೆ x, x ಎಂದರೆ ÷, ÷ ಎಂದರೆ + ಆಗಿದ್ದರೆ, ಈ ಕೆಳಗಿನ ಸಮೀಕರಣದಲ್ಲಿ ಪ್ರಶ್ನಾರ್ಥಕ ಚಿಹ್ನೆಯ (?) ಜಾಗದಲ್ಲಿ ಏನು ಬರುತ್ತದೆ?

4-18×3÷50+33=?

A. 30

B. 40

C. 41

D. 31

Q35 General Intelligence and Reasoning

ಒಂದು ನಿರ್ದಿಷ್ಟ ಸಂಕೇತದಲ್ಲಿ,

'parents teach good values' ಎಂಬುದನ್ನು 'sc fs ye un' ಎಂದು ಸಂಕೇತಿಸಲಾಗಿದೆ.

'strong values shape character' ಎಂಬುದನ್ನು 'lx zv fs lb' ಎಂದು ಸಂಕೇತಿಸಲಾಗಿದೆ ಮತ್ತು

'good habits discipline strong' ಎಂಬುದನ್ನು 'ye hk gb zv' ಎಂದು ಸಂಕೇತಿಸಲಾಗಿದೆ.

(ಎಲ್ಲಾ ಸಂಕೇತಗಳು ಕೇವಲ ಎರಡಕ್ಷರದ ಸಂಕೇತಗಳಾಗಿವೆ.)

ಕೊಟ್ಟಿರುವ ಆಯ್ಕೆಗಳಲ್ಲಿ 'character' ನ ಸಂಭವನೀಯ ಸಂಕೇತವೇನು?

A. 'fs' ಅಥವಾ 'zv'

B. 'ye' ಅಥವಾ 'lb'

C. 'lb' ಅಥವಾ 'lx'

D. 'lb' ಅಥವಾ 'fs'



Q36 General Intelligence and Reasoning

C, D, E, F, X, Y ಮತ್ತು Z ಎಂಬ ಪ್ರತಿಯೊಬ್ಬರಿಗೂ ಸೋಮವಾರದಿಂದ ಪ್ರಾರಂಭವಾಗಿ ಭಾನುವಾರದಂದು ಕೊನೆಗೊಳ್ಳುವಂತೆ ಒಂದೇ ವಾರದ ಬೇರೆಬೇರೆ ದಿನಗಳಲ್ಲಿ ಪರೀಕ್ಷೆ ಇದೆ.

X ಅವರಿಗೆ ಶುಕ್ರವಾರ ಪರೀಕ್ಷೆ ಇದೆ. Y ಮತ್ತು X ನಡುವೆ ಕೇವಲ ಇಬ್ಬರಿಗೆ ಪರೀಕ್ಷೆ ಇದೆ. C ಮತ್ತು Y ನಡುವೆ ಕೇವಲ ನಾಲ್ಕು ಜನರಿಗೆ ಪರೀಕ್ಷೆ ಇದೆ. D ಅವರಿಗೆ F ಅವರ ತಕ್ಷಣದ ನಂತರದ ದಿನ ಪರೀಕ್ಷೆ ಇದೆ. Z ಅವರಿಗೆ ಸೋಮವಾರ ಪರೀಕ್ಷೆ ಇಲ್ಲ.

ಹಾಗಾದರೆ Z ಮತ್ತು E ನಡುವೆ ಎಷ್ಟು ಜನರಿಗೆ ಪರೀಕ್ಷೆ ಇದೆ?

A. ನಾಲ್ಕು



B. ಎರಡು

C. ಮೂರು

D. ಒಂದು

Q37 General Intelligence and Reasoning

ಕೆಳಗೆ ಕೊಟ್ಟಿರುವ ಸರಣಿಯಲ್ಲಿ ಪ್ರಶ್ನಾರ್ಥಕ ಚಿಹ್ನೆಯ (?) ಜಾಗದಲ್ಲಿ ಯಾವ ಸಂಖ್ಯೆ ಸರಿಹೊಂದುತ್ತದೆ?

2 16 44 100 212 ?

A. 435

B. 430

C. 433

D. 436

**Q38 General Intelligence and Reasoning**

ಒಂದು ನಿರ್ದಿಷ್ಟ ಸಂಕೇತದಲ್ಲಿ 'green apple sweet' ಅನ್ನು 'ta lo mi' ಎಂದು ಸಂಕೇತಿಸಲಾಗುತ್ತದೆ 'red apple fresh' ಅನ್ನು 'ku lo pe' ಎಂದು ಸಂಕೇತಿಸಲಾಗುತ್ತದೆ 'green mango fresh' ಅನ್ನು 'ta si pe' ಎಂದು ಸಂಕೇತಿಸಲಾಗುತ್ತದೆ

(ಎಲ್ಲಾ ಸಂಕೇತಗಳು ಕೇವಲ ಎರಡಕ್ಷರಗಳ ಸಂಕೇತಗಳಾಗಿವೆ) ಹಾಗಾದರೆ "green apple" ನ ಸಂಕೇತ ಯಾವುದು?

A. ta pe

B. ta lo



C. mi si

D. ku lo

Q39 General Intelligence and Reasoning

ಕೆಳಗೆ ನೀಡಿರುವ ಎರಡು ಜೋಡಿಗಳು ಅನುಸರಿಸುತ್ತಿರುವ ಮಾದರಿಯನ್ನೇ ಅನುಸರಿಸುವ ಜೋಡಿಯನ್ನು ಆರಿಸಿ. ಎರಡೂ ಜೋಡಿಗಳು ಒಂದೇ ಮಾದರಿಯನ್ನು ಅನುಸರಿಸುತ್ತವೆ.

JKK : KFH

HVO : IQL

A. FJL : GDI

B. CPR : DKN

C. CUK : DPG

D. OOP : PJM

**Q40 General Intelligence and Reasoning**

ಕೆಳಗೆ ಕೊಟ್ಟಿರುವ ಅಕ್ಷರ, ಸಂಖ್ಯೆ ಮತ್ತು ಚಿಹ್ನೆಗಳ ಸರಣಿಯನ್ನು ಉಲ್ಲೇಖಿಸಿ ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗೆ ಉತ್ತರಿಸಿ.

(ಎಡ) H @ \$ V 1 B 2 C N E T U 8 6 % # L C N Q A (ಬಲ)

ಒಂದು ವೇಳೆ ಸರಣಿಯಿಂದ ಎಲ್ಲಾ ಅಕ್ಷರಗಳನ್ನು ಕೈಬಿಟ್ಟರೆ, ಈ ಕೆಳಗಿನವುಗಳಲ್ಲಿ ಯಾವುದು ಎಡದಿಂದ ಐದನೇ ಸ್ಥಾನದಲ್ಲಿರುತ್ತದೆ?

A. 8



B. %

C. 2

D. 6

Q41 General Intelligence and Reasoning

ಇಂಗ್ಲಿಷ್ ವರ್ಣಮಾಲೆಯ ಅನುಕ್ರಮವನ್ನು ಆಧರಿಸಿ, ಈ ಕೆಳಗಿನ ನಾಲ್ಕರಲ್ಲಿ ಮೂರು ಅಕ್ಷರ-ಗುಚ್ಛ ಜೋಡಿಗಳು ಒಂದು ನಿರ್ದಿಷ್ಟ ರೀತಿಯಲ್ಲಿ ಸದೃಶವಾಗಿದ್ದು, ಒಂದೇ ಗುಂಪಿಗೆ ಸೇರುತ್ತವೆ. ಯಾವ ಅಕ್ಷರ-ಗುಚ್ಛ ಜೋಡಿಯು ಆ ಗುಂಪಿಗೆ ಸೇರುವುದಿಲ್ಲ? (ಸೂಚನೆ: ಗುಂಪಿಗೆ ಸೇರದ ಅಕ್ಷರ-ಗುಚ್ಛವು, ಅದರಲ್ಲಿರುವ ವ್ಯಂಜನಗಳು/ಸ್ವರಾಕ್ಷರಗಳು ಅಥವಾ ಅವುಗಳ ಸ್ಥಾನವನ್ನು ಆಧರಿಸಿ ಗುಂಪಿಗೆ ಸೇರದೆ ಇರುವುದಿಲ್ಲ.)

A. SQ-NL

B. KI-EF



C. AY-VT

D. LJ-GE



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Q42 General Intelligence and Reasoning

ಈ ಪ್ರಶ್ನೆಯು ಈ ಕೆಳಗಿನ ಪದಗಳು/ಅಕ್ಷರ ಗುಚ್ಛಗಳನ್ನು ಆಧರಿಸಿದೆ.

(ಎಡ) ADS DUG AGS BEG (ಬಲ)

ಬಲಭಾಗದಿಂದ ಎರಡನೇ ಪದ/ಅಕ್ಷರಗುಚ್ಛದ ಎರಡನೇ ಅಕ್ಷರ ಮತ್ತು ಎಡಭಾಗದಿಂದ ಎರಡನೇ ಪದ/ಅಕ್ಷರ ಗುಚ್ಛದ ಎರಡನೇ ಅಕ್ಷರ, ಇವೆರಡರ ನಡುವೆ ಇಂಗ್ಲಿಷ್ ವರ್ಣಮಾಲೆಯ ಕ್ರಮದಲ್ಲಿ ಎಣಿಸಿದರೆ ಎಷ್ಟು ಅಕ್ಷರಗಳಿವೆ?

A. 11

B. 12

C. 13

D. 14

Q43 General Intelligence and Reasoning

ಒಂದು ನಿರ್ದಿಷ್ಟ ತರ್ಕವನ್ನು ಅನುಸರಿಸಿ 19 ಎಂಬುದು 287 ಕ್ಕೆ ಸಂಬಂಧಿಸಿದೆ. ಅದೇ ತರ್ಕವನ್ನು ಅನುಸರಿಸಿ 23 ಎಂಬುದು 347 ಕ್ಕೆ ಸಂಬಂಧಿಸಿದೆ. ಅದೇ ತರ್ಕವನ್ನು ಅನುಸರಿಸಿದಾಗ, 28 ಎಂಬುದು ಈ ಕೆಳಗಿನವುಗಳಲ್ಲಿ ಯಾವುದಕ್ಕೆ ಸಂಬಂಧಿಸಿದೆ?

(ಸೂಚನೆ: ಸಂಖ್ಯೆಗಳನ್ನು ಅವುಗಳ ಬಿಡಿ ಅಂಕಗಳಾಗಿ ವಿಭಜಿಸದೆ, ಪೂರ್ಣ ಸಂಖ್ಯೆಗಳ ಮೇಲೆ ಗಣಿತದ ಕ್ರಿಯೆಗಳನ್ನು ಮಾಡಬೇಕು. ಉದಾ. 13 - 13 ರ ಮೇಲೆ ಕೂಡಿಸುವುದು/ಕಳೆಯುವುದು/ಗುಣಿಸುವುದು ಮುಂತಾದ ಕ್ರಿಯೆಗಳನ್ನು ಮಾಡುವಾಗ 13 ಎಂದು ಪರಿಗಣಿಸಿ ಕ್ರಿಯೆಗಳನ್ನು ಮಾಡಬಹುದು. 13 ಅನ್ನು 1 ಮತ್ತು 3 ಎಂದು ಬೇರೆ ಬೇರೆಯಾಗಿ ಪರಿಗಣಿಸಿ ನಂತರ 1 ಮತ್ತು 3 ರ ಮೇಲೆ ಬೇರೆ ಬೇರೆಯಾಗಿ ಗಣಿತದ ಕ್ರಿಯೆಗಳನ್ನು ಮಾಡುವಂತಿಲ್ಲ.)

A. 422

B. 420

C. 424

D. 426

Q44 General Intelligence and Reasoning

ಒಂದು ನಿರ್ದಿಷ್ಟ ಸಂಕೇತ ಭಾಷೆಯಲ್ಲಿ,

A + B ಎಂದರೆ 'A ಅವರು B ಅವರ ಮಗಳು'

A - B ಎಂದರೆ 'A ಅವರು B ಅವರ ಸಹೋದರ'

A x B ಎಂದರೆ 'A ಅವರು B ಅವರ ಹೆಂಡತಿ'

A ÷ B ಎಂದರೆ 'A ಅವರು B ಅವರ ತಂದೆ'

ಮೇಲಿನ ತರ್ಕವನ್ನು ಆಧರಿಸಿ, ಒಂದು ವೇಳೆ 'E - F + G x H ÷ K' ಆಗಿದ್ದರೆ, E ಅವರು K ಅವರಿಗೆ ಹೇಗೆ ಸಂಬಂಧಿ?

A. ಸಹೋದರ

B. ಮಗ

C. ತಂದೆ

D. ಗಂಡ

Q45 General Intelligence and Reasoning

ಈ ಕೆಳಗೆ ನೀಡಲಾದ ಸಂಖ್ಯಾ ಗಣಗಳು ಅನುಸರಿಸುವ ಮಾದರಿಯನ್ನೇ ಅನುಸರಿಸುವ ಸಂಖ್ಯಾ ಗಣವನ್ನು ಕೆಳಗೆ ಕೊಟ್ಟಿರುವ ಆಯ್ಕೆಗಳಿಂದ ಆರಿಸಿ.

(ಸೂಚನೆ: ಸಂಖ್ಯೆಗಳನ್ನು ಅವುಗಳ ಬಿಡಿ ಅಂಕಗಳಾಗಿ ವಿಭಜಿಸದೆ, ಪೂರ್ಣ ಸಂಖ್ಯೆಗಳ ಮೇಲೆ ಕ್ರಿಯೆಗಳನ್ನು ನಡೆಸಬೇಕು. ಉದಾ. ಸಂಖ್ಯೆ 13 ಅನ್ನು 13 ಎಂದು ತೆಗೆದುಕೊಂಡು ಅದರ ಮೇಲೆ ಸಂಕಲನ/ವ್ಯವಕಲನ/ಗುಣಾಕಾರ ಮುಂತಾದ ಕ್ರಿಯೆಗಳನ್ನು ಮಾಡಬಹುದು. 13 ಅನ್ನು 1 ಮತ್ತು 3 ಆಗಿ ವಿಭಜಿಸಿ ನಂತರ 1 ಮತ್ತು 3 ರ ಮೇಲೆ ಬೇರೆ ಬೇರೆಯಾಗಿ ಗಣಿತದ ಕ್ರಿಯೆಗಳನ್ನು ಮಾಡುವಂತಿಲ್ಲ.)

(133,5,23)

(107,1,18)

A. (76,20,16)

B. (10,22,2)

C. (75,9,4)

D. (18,24,1)

Q46 General Intelligence and Reasoning

P ಅವರು W ಅವರ ಸಹೋದರ. W ಅವರು R ಅವರ ತಂದೆ. T ಅವರು J ಅವರ ತಂದೆ. J ಅವರು R ಅವರು ಮಗ. ಹಾಗಾದರೆ T ಅವರು P ಅವರಿಗೆ ಹೇಗೆ ಸಂಬಂಧಿ?

A. ಮಗಳ ಮಗ

B. ಮಗಳ ಗಂಡ

C. ಸಹೋದರನ ಮಗಳ ಮಗ

D. ಸಹೋದರನ ಮಗಳ ಗಂಡ

Q47 General Intelligence and Reasoning

ಸಿಮರ್ ಅವರು A ಎಂಬ ಸ್ಥಳದಿಂದ ಪ್ರಯಾಣ ಆರಂಭಿಸಿ ದಕ್ಷಿಣದ ಕಡೆಗೆ 10 km ಚಾಲನೆ ಮಾಡುತ್ತಾರೆ. ನಂತರ ಅವರು ಬಲಕ್ಕೆ ತಿರುಗಿ 7 km ಚಾಲನೆ ಮಾಡುತ್ತಾರೆ. ನಂತರ ಬಲಕ್ಕೆ ತಿರುಗಿ 12 km ಚಾಲನೆ ಮಾಡುತ್ತಾರೆ. ನಂತರ ಅವರು ಬಲಕ್ಕೆ ತಿರುಗಿ 9 km ಚಾಲನೆ ಮಾಡುತ್ತಾರೆ. ಕೊನೆಯಲ್ಲಿ ಅವರು ಬಲಕ್ಕೆ ತಿರುಗಿ 2 km ಚಾಲನೆ ಮಾಡುತ್ತಾರೆ ಮತ್ತು P ಎಂಬ ಸ್ಥಳದಲ್ಲಿ ನಿಲ್ಲುತ್ತಾರೆ. ಹಾಗಾದರೆ ಅವರು A ಸ್ಥಳಕ್ಕೆ ಮತ್ತೆ ತಲುಪಬೇಕಾದರೆ ಎಷ್ಟು ದೂರ (ಸಾಧ್ಯವಾದಷ್ಟು ಅತ್ಯಂತ ಕಡಿಮೆ ದೂರ) ಮತ್ತು ಯಾವ ದಿಕ್ಕಿನಡೆಗೆ ಚಾಲನೆ ಮಾಡಬೇಕಾಗಿದೆ?

(ನಿರ್ದಿಷ್ಟವಾಗಿ ಸೂಚಿಸಿರುವುದನ್ನು ಬಿಟ್ಟು ಉಳಿದೆಲ್ಲಾ ತಿರುವುಗಳು 90-ಡಿಗ್ರಿಯ ತಿರುವುಗಳಾಗಿವೆ)

A. ಪೂರ್ವಕ್ಕೆ 2 km

B. ಪಶ್ಚಿಮಕ್ಕೆ 3 km

C. ಪೂರ್ವಕ್ಕೆ 3 km

D. ಪಶ್ಚಿಮಕ್ಕೆ 2 km



Q48 General Intelligence and Reasoning

D, E, F, G, H, W ಮತ್ತು X ಎಂಬ ಏಳು ಪೆಟ್ಟಿಗೆಗಳನ್ನು ಒಂದರ ಮೇಲೊಂದರಂತೆ ಇಡಲಾಗಿದೆ. ಆದರೆ ಅವು ಅದೇ ಕ್ರಮದಲ್ಲಿ ಇರಬೇಕಂತೇನಿಲ್ಲ.
ಕೇವಲ H ಅನ್ನು E ಯ ಮೇಲೆ ಇಡಲಾಗಿದೆ. E ಮತ್ತು G ಗಳ ನಡುವೆ ಕೇವಲ D ಅನ್ನು ಇಡಲಾಗಿದೆ. ಕೇವಲ F ಅನ್ನು X ನ ಕೆಳಗೆ ಇಡಲಾಗಿದೆ. ಹಾಗಾದರೆ W ಮತ್ತು E ಗಳ ನಡುವೆ ಎಷ್ಟು ಪೆಟ್ಟಿಗೆಗಳನ್ನು ಇಡಲಾಗಿದೆ?

A. ಮೂರು

B. ಒಂದು

C. ನಾಲ್ಕು

D. ಎರಡು ✓

Q49 General Intelligence and Reasoning

ಈ ಕೆಳಗಿನ ಅಕ್ಷರ, ಸಂಖ್ಯೆ, ಚಿಹ್ನೆ ಸರಣಿಯನ್ನು ಪರಿಶೀಲಿಸಿ ಮತ್ತು ಕೇಳಿರುವ ಪ್ರಶ್ನೆಗೆ ಉತ್ತರಿಸಿ. (ಸೂಚನೆ: ಎಲ್ಲಾ ಸಂಖ್ಯೆಗಳು ಕೇವಲ ಒಂದಂಕಿಯ ಸಂಖ್ಯೆಗಳಾಗಿವೆ) ಎಣಿಕೆಯನ್ನು ಎಡದಿಂದ ಬಲಕ್ಕೆ ಮಾತ್ರ ಮಾಡಬೇಕು.

(ಎಡ) H 9 & 3 L ! 6 M \$ 7 R @ 4 C % 2 F # 5 K * 8 P (ಬಲ)

ಸರಣಿಯಲ್ಲಿನ ಎಷ್ಟು ಚಿಹ್ನೆಗಳು ತಮ್ಮ ತಕ್ಷಣದ ಹಿಂದೆ ಒಂದು ಸಂಖ್ಯೆಯನ್ನು ಮತ್ತು ತಮ್ಮ ತಕ್ಷಣದ ಮುಂದೆ ಒಂದು ಚಿಹ್ನೆಯನ್ನು ಹೊಂದಿವೆ?

A. ಯಾವುದೂ ಇಲ್ಲ ✓

B. ಮೂರು

C. ಒಂದು

D. ಎರಡು

Q50 General Intelligence and Reasoning

ಈ ಕೆಳಗೆ ನೀಡಲಾದ ಎರಡು ತ್ರಿವಳಿಗಳು ಯಾವ ಮಾದರಿಯನ್ನು ಅನುಸರಿಸುತ್ತವೆಯೋ ಅದೇ ಮಾದರಿಯನ್ನು ಅನುಸರಿಸುವ ತ್ರಿವಳಿಯನ್ನು ಆರಿಸಿ. ಈ ಎರಡೂ ತ್ರಿವಳಿಗಳು ಒಂದೇ ಮಾದರಿಯನ್ನು ಅನುಸರಿಸುತ್ತವೆ.

JM-HK-FI

MP-KN-IL

A. QS-NP-KO

B. QS-MP-KO

C. PS-NQ-LO ✓

D. PS-NQ-KO

Q51 General Intelligence and Reasoning

D, R, A, W ಮತ್ತು S ಅವರುಗಳು ಬೇರೆಬೇರೆ ಅಂಕಗಳನ್ನು ಗಳಿಸಿದ್ದಾರೆ. A ಮತ್ತು R ಅವರ ನಡುವೆ ಕೇವಲ ಒಬ್ಬರು ಅಂಕಗಳನ್ನು ಗಳಿಸಿದ್ದಾರೆ. R ಮತ್ತು W ಅವರ ನಡುವೆ ಕೇವಲ ಒಬ್ಬರು ಅಂಕಗಳನ್ನು ಗಳಿಸಿದ್ದಾರೆ. S ಅವರು R ಮತ್ತು W ಅವರಿಗಿಂತ ಹೆಚ್ಚು ಅಂಕಗಳನ್ನು ಗಳಿಸಿದ್ದಾರೆ. ಹಾಗಾದರೆ ಎಷ್ಟು ಜನರು D ಅವರಿಗಿಂತ ಕಡಿಮೆ ಅಂಕಗಳನ್ನು ಗಳಿಸಿದ್ದಾರೆ?

A. ಇಬ್ಬರು

B. ನಾಲ್ವರು

C. ಒಬ್ಬರು ✓

D. ಮೂವರು

Q52 General Intelligence and Reasoning

ಇಂಗ್ಲಿಷ್ ವರ್ಣಮಾಲೆಯ ಕ್ರಮದ ಆಧಾರದ ಮೇಲೆ ಈ ಕೆಳಗಿನ ಸರಣಿಯಲ್ಲಿನ ಪ್ರಶ್ನಾರ್ಥಕ ಚಿಹ್ನೆಯ (?) ಜಾಗದಲ್ಲಿ ಯಾವ ಆಯ್ಕೆ ಸರಿಹೊಂದುತ್ತದೆ?

JM Q IL P HK O G J N ?

A. FIM ✓

B. FJN

C. FIN

D. FJM

Q53 General Intelligence and Reasoning

F, J, M, L, R, V ಮತ್ತು X ಎಂಬ ಏಳು ಜನರು ಒಂದು ನೇರವಾದ ಸಾಲಿನಲ್ಲಿ ಉತ್ತರ ದಿಕ್ಕಿಗೆ ಮುಖಮಾಡಿ ಕುಳಿತಿದ್ದಾರೆ. X ಅವರ ಎಡಭಾಗದಲ್ಲಿ ಕೇವಲ ಮೂರು ಜನ ಕುಳಿತಿದ್ದಾರೆ. M ಅವರು ಮಾತ್ರ R ಅವರ ಬಲಭಾಗದಲ್ಲಿ ಕುಳಿತಿದ್ದಾರೆ. R ಮತ್ತು V ನಡುವೆ ಕೇವಲ ಮೂರು ಜನರು ಕುಳಿತಿದ್ದಾರೆ. J ಅವರು L ಅವರ ಎಡಭಾಗದ ಯಾವುದೋ ಒಂದು ಸ್ಥಾನದಲ್ಲಿ ಕುಳಿತಿದ್ದಾರೆ ಆದರೆ F ಅವರ ಬಲಭಾಗದ ಯಾವುದೋ ಒಂದು ಸ್ಥಾನದಲ್ಲಿ ಕುಳಿತಿದ್ದಾರೆ. ಹಾಗಾದರೆ V ಅವರ ಎಡಭಾಗದಲ್ಲಿ ಎಷ್ಟು ಜನರು ಕುಳಿತಿದ್ದಾರೆ?

A. 3

B. 2

C. 1 ✓

D. 4



Q54 General Intelligence and Reasoning

ಈ ಕೆಳಗೆ ಒಂದು ಪ್ರಶ್ನೆಯನ್ನು ನೀಡಲಾಗಿದೆ ಮತ್ತು ಅದರ ನಂತರ (I) ಮತ್ತು (II) ಎಂದು ಸಂಖ್ಯೆಗಳನ್ನು ನೀಡಿದ ಎರಡು ಹೇಳಿಕೆಗಳನ್ನು ನೀಡಲಾಗಿದೆ. ಈ ಹೇಳಿಕೆಗಳಲ್ಲಿ ನೀಡಲಾದ ಮಾಹಿತಿಯು ಪ್ರಶ್ನೆಗೆ ಉತ್ತರಿಸಲು ಸಾಕಾಗುತ್ತದೆಯೇ ಎಂದು ನೀವು ನಿರ್ಧರಿಸಬೇಕು. ಈ ಎರಡೂ ಹೇಳಿಕೆಗಳನ್ನು ಓದಿರಿ ಮತ್ತು ಹೆಚ್ಚು ಸೂಕ್ತವಾದ ಉತ್ತರ ಯಾವುದೆಂದು ನಿರ್ಧರಿಸಿ.

ಪ್ರಶ್ನೆ: P, Q, X, Y ಮತ್ತು Z ಎಂಬ 5 ಜನರಿಗೆ ಸೋಮವಾರ ಮತ್ತು ಶುಕ್ರವಾರದ ನಡುವೆ, ಒಂದೇ ವಾರದ ಬೇರೆಬೇರೆ ದಿನಗಳಲ್ಲಿ ಪರೀಕ್ಷೆ ಇದೆ. ಹಾಗಾದರೆ ಗುರುವಾರದಂದು ಯಾರಿಗೆ ಪರೀಕ್ಷೆ ಇದೆ?

ಹೇಳಿಕೆಗಳು:

- I. P ಅವರಿಗೆ ಬುಧವಾರ ಪರೀಕ್ಷೆ ಇದೆ. P ಮತ್ತು Q ನಡುವೆ ಕೇವಲ ಒಬ್ಬ ವ್ಯಕ್ತಿಗೆ ಪರೀಕ್ಷೆ ಇದೆ. Z ಅವರಿಗೆ X ಅವರಿಗಿಂತ ತಕ್ಷಣದ ಹಿಂದಿನ ದಿನ ಪರೀಕ್ಷೆ ಇದೆ.
- II. P ಮತ್ತು Y ನಡುವೆ ಯಾರಿಗೂ ಪರೀಕ್ಷೆ ಇಲ್ಲ. Y ಮತ್ತು X ನಡುವೆ ಕೇವಲ ಇಬ್ಬರಿಗೆ ಪರೀಕ್ಷೆ ಇದೆ. Z ಅವರಿಗೆ ಸೋಮವಾರ ಪರೀಕ್ಷೆ ಇಲ್ಲ.

ಪ್ರಶ್ನೆಗೆ ಉತ್ತರಿಸಲು ಹೇಳಿಕೆ II ರಲ್ಲಿರುವ ಮಾಹಿತಿಯೊಂದೇ

- A. ಸಾಕಾಗುತ್ತದೆ, ಆದರೆ ಪ್ರಶ್ನೆಗೆ ಉತ್ತರಿಸಲು ಹೇಳಿಕೆ I ರಲ್ಲಿರುವ ಮಾಹಿತಿಯೊಂದೇ ಸಾಕಾಗುವುದಿಲ್ಲ

ಪ್ರಶ್ನೆಗೆ ಉತ್ತರಿಸಲು I ಮತ್ತು II ಈ ಎರಡೂ ಹೇಳಿಕೆಗಳಲ್ಲಿನ ಒಟ್ಟುಗೂಡಿಸಿದ ಮಾಹಿತಿ (ಮತ್ತು ಹೇಳಿಕೆ I ಮಾತ್ರವೇ ಅಲ್ಲ ಅಥವಾ ಹೇಳಿಕೆ II ಮಾತ್ರವೇ ಅಲ್ಲ) ಸಾಕಾಗುತ್ತದೆ



ಪ್ರಶ್ನೆಗೆ ಉತ್ತರಿಸಲು ಹೇಳಿಕೆ I ರಲ್ಲಿರುವ ಮಾಹಿತಿಯೊಂದೇ

- C. ಸಾಕಾಗುತ್ತದೆ ಆದರೆ ಹೇಳಿಕೆ II ರಲ್ಲಿರುವ ಮಾಹಿತಿಯೊಂದೇ ಸಾಕಾಗುವುದಿಲ್ಲ

I ಮತ್ತು II ಹೇಳಿಕೆಗಳಲ್ಲಿನ ಒಟ್ಟುಗೂಡಿಸಿದ ಮಾಹಿತಿ ಪ್ರಶ್ನೆಗೆ ಉತ್ತರಿಸಲು ಸಾಕಾಗುವುದಿಲ್ಲ

D.

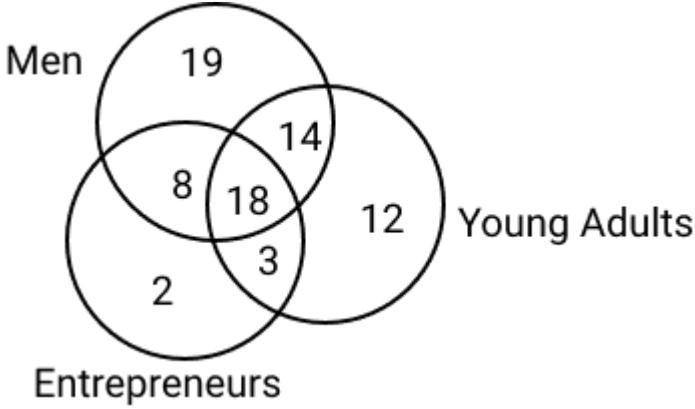


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Q55 General Intelligence and Reasoning **ENGLISH**

Study the given diagram carefully and answer the question that follows. The numbers in different sections indicate the number of persons. (NOTE: You have to take the given data to be true even if they seem to be at variance from commonly known facts.)



How many young adults are entrepreneurs?

- A. 18
- B. 3
- C. 22
- D. 21



General Awareness

18 Questions • Answer Key

Q56 General Awareness

ಭಾರತವು ಮೇ 7, 2025 ರಂದು ರವೀಂದ್ರನಾಥ ಟ್ಯಾಗೋರ್ ಅವರ _____ ಜನ್ಮ ವಾರ್ಷಿಕೋತ್ಸವವನ್ನು ಆಚರಿಸಿತು.

- A. 164ನೇ
- B. 166ನೇ
- C. 162ನೇ
- D. 160ನೇ



Q57 General Awareness **ENGLISH**

Ozone shields the surface of the Earth from which type of radiation coming from the Sun?

- A. Ultra violet
- B. White light
- C. X rays
- D. Infra-red



Q58 General Awareness

ಭಾರತೀಯ ಹವಾಮಾನ ಇಲಾಖೆ (IMD) ಪ್ರಕಾರ, ಸುಮಾರು 38% ನಷ್ಟು ವೈಪರೀತ್ಯ ಗುಣಾಂಕ (CV) ಹೊಂದಿರುವ ಧಾರ್ ಮರುಭೂಮಿಯು ಪಡೆಯುವ ಅಂದಾಜು ಒಟ್ಟು ವಾರ್ಷಿಕ ಸಾಮಾನ್ಯ ಮಳೆ ಎಷ್ಟು?

- A. ವರ್ಷಕ್ಕೆ 50 mm
- B. ವರ್ಷಕ್ಕೆ 150 mm
- C. ವರ್ಷಕ್ಕೆ 200 mm
- D. ವರ್ಷಕ್ಕೆ 250 mm



Q59 General Awareness **ENGLISH**

Which of the following statements best explains why humans are severely affected by biological magnification?

- A. Humans occupy the top trophic level in many food chains
- B. Humans consume less food than other consumers in food chain
- C. Humans can break down toxins
- D. Humans are best decomposers in food chain



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Q60 General Awareness

ತ್ಯಾಜ್ಯ ಉತ್ಪಾದನೆಯನ್ನು ಕಡಿಮೆ ಮಾಡಲು ಏನು ಮಾಡಬೇಕು?

- A. ಪ್ಲಾಸ್ಟಿಕ್ ಬಳಕೆಯನ್ನು ಹೆಚ್ಚಿಸುವುದು
- B. ಉತ್ಪನ್ನಗಳ ಪ್ಲಾಸ್ಟಿಕ್ ಪ್ಯಾಕೇಜಿಂಗ್ ಅನ್ನು ಗರಿಷ್ಠಗೊಳಿಸುವುದು
- C. ಜೈವಿಕವಾಗಿ ವಿಘಟನೀಯವಲ್ಲದ ಉತ್ಪನ್ನಗಳನ್ನು ಬಳಸುವುದು
- D. ಬದಲಾಗುವುದು ಮತ್ತು ಸುಸ್ಥಿರ ಜೀವನಶೈಲಿಯನ್ನು ಅಳವಡಿಸಿಕೊಳ್ಳುವುದು ✓

Q61 General Awareness

ಏಪ್ರಿಲ್ 1, 2025 ರಂದು ಆಯೋಜಿಸಲಾಗಿದ್ದ ಸರ್ಹುಲ್ ಹಬ್ಬವು (Sarhul festival) ಯಾವ ಪ್ರದೇಶದಲ್ಲಿ ವಿಶೇಷ ಮಹತ್ವ ಹೊಂದಿದೆ?

- A. ಛೋಟಾನಾಗ್ಪುರ್ ಪ್ರದೇಶ ಮತ್ತು ಜಾರ್ಖಂಡ್ ✓
- B. ಭಾರತದ ಕರಾವಳಿ ಪ್ರದೇಶಗಳು
- C. ಭಾರತದ ದಕ್ಷಿಣದ ರಾಜ್ಯಗಳು
- D. ಹಿಮಾಲಯ ಪ್ರದೇಶ

Q62 General Awareness

ಭಾರತದ ಸಂವಿಧಾನದ 38ನೇ ಅನುಚ್ಛೇದದಲ್ಲಿ ಈ ಕೆಳಗಿನ ಯಾವ ಧೈಯೋದ್ದೇಶವನ್ನು ಹೇಳಲಾಗಿದೆ?

- A. ರಾಷ್ಟ್ರೀಯ ಭದ್ರತೆಗಾಗಿ ಮಿಲಿಟರಿ ಆಡಳಿತವನ್ನು ಸ್ಥಾಪಿಸುವುದು
- B. ಎಲ್ಲರಿಗೂ ಸಮಾನ ಶಿಕ್ಷಣ ಅವಕಾಶಗಳನ್ನು ಒದಗಿಸುವುದು
- C. ಎಲ್ಲಾ ನಾಗರಿಕರಿಗೆ ಉದ್ಯೋಗವನ್ನು ಖಾತರಿಪಡಿಸುವುದು
- D. ಸಾಮಾಜಿಕ, ಆರ್ಥಿಕ ಮತ್ತು ರಾಜಕೀಯ ನ್ಯಾಯದ ಆಧಾರದ ಮೇಲೆ ಸಾಮಾಜಿಕ ವ್ಯವಸ್ಥೆಯನ್ನು ಸ್ಥಾಪಿಸುವುದು ✓

Q63 General Awareness

ಭಾರತದ ವಾಯವ್ಯ ಬಯಲು ಪ್ರದೇಶ ರಚನೆಗೆ ಯಾವ ನದಿಗಳು ಕೊಡುಗೆ ನೀಡಿವೆ?

- A. ನರ್ಮದಾ, ತಪತಿ ಮತ್ತು ಮಹಾನದಿ
- B. ಗಂಗಾ, ಯಮುನಾ ಮತ್ತು ಬ್ರಹ್ಮಪುತ್ರ
- C. ಕೃಷ್ಣಾ, ಗೋದಾವರಿ ಮತ್ತು ಕಾವೇರಿ
- D. ಸಟ್ಲೆಜ್, ಬಿಯಾಸ್ ಮತ್ತು ರಾವಿ ✓

Q64 General Awareness

2D ಅರಿವಾಹಕಗಳನ್ನು ಹಾಳಾಗದಂತೆ ತಡೆಯುವ, ಐಐಟಿ ಮಂಡಿ ಅಭಿವೃದ್ಧಿಪಡಿಸಿದ ಸ್ಥಿರ ಸಂಯೋಜಿತ ವಸ್ತುವಿನ ಪ್ರಾಥಮಿಕ ಅಂಶ ಯಾವುದು?

- A. ಎಪಾಕ್ಸಿ ರಾಳದೊಂದಿಗೆ ಬೆರೆಸಿದ ಬೋರಾನ್ ನೈಟ್ರೈಡ್
- B. ಪಾಲಿಮರ್ ಮ್ಯಾಟ್ರಿಕ್ಸ್‌ನಲ್ಲಿ ಹುದುಗಿರುವ ಇಂಗಾಲದ ನ್ಯಾನೊಟ್ಯೂಬ್‌ಗಳು
- C. ಪಾಲಿಡೈಮಿಥೈಲ್‌ಸಿಲೋಕ್ಸೇನ್ (PDMS) ನಲ್ಲಿ ಆವೃತವಾದ ಟಂಗ್‌ಸ್ಟನ್ ಡೈಸಲ್ಫೈಡ್ (WS) ✓
- D. ಸಿಲಿಕಾನ್‌ನೊಂದಿಗೆ ಸಂಯೋಜಿಸಿದ ಗ್ರಾಫೀನ್

Q65 General Awareness

ಸಂಸತ್ತಿಗೆ ಸಂಬಂಧಿಸಿದ ಸಾಂವಿಧಾನಿಕ ನಿಬಂಧನೆಗಳೊಂದಿಗೆ ಈ ಕೆಳಗಿನ ಯಾವ ಅನುಚ್ಛೇದವು ತಪ್ಪಾಗಿ ಹೊಂದಿಕೆಯಾಗುತ್ತದೆ?

- A. ಅನುಚ್ಛೇದ 99 --- ರಾಜ್ಯಗಳ ಪರಿಷತ್ತು/ರಾಜ್ಯಸಭೆಯ ರಚನೆ ✓
- B. ಅನುಚ್ಛೇದ 105 --- ಸಂಸತ್ತಿನ ಸದನಗಳ ಅಧಿಕಾರಗಳು ಮತ್ತು ಸವಲತ್ತುಗಳು
- C. ಅನುಚ್ಛೇದ 89 ---- ರಾಜ್ಯ ಸಭೆಯ ಅಧ್ಯಕ್ಷರು ಮತ್ತು ಉಪಾಧ್ಯಕ್ಷರು
- D. ಅನುಚ್ಛೇದ 93 ---- ಲೋಕಸಭೆಯ ಸಭಾಪತಿ ಮತ್ತು ಉಪ ಸಭಾಪತಿ

Q66 General Awareness

ತೇಜ್ ಬಹದ್ದೂರ್ ಸಪ್ತ ಬಗ್ಗೆ ಈ ಕೆಳಗಿನವುಗಳಲ್ಲಿ ಯಾವುದು ಸರಿಯಾಗಿದೆ?

1. ಬನಾರಸ್‌ನಲ್ಲಿ ಸೆಂಟ್ರಲ್ ಹಿಂದು ಕಾಲೇಜನ್ನು ನಿರ್ಮಿಸಲು ಅವರು ಅನ್ನಿ ಬೆಸೆಂಟ್ ಗೆ ಸಹಾಯ ಮಾಡಿದರು
2. ಅವರು ಹೋಮ್ ರೂಲ್ ಚಳವಳಿಯ ಸಮಯದಲ್ಲಿ ರಾಜಕೀಯವನ್ನು ಪ್ರವೇಶಿಸಿದರು
3. ಅವರು 1930ರಿಂದ 1932ರ ನಡುವೆ ಲಂಡನ್‌ನಲ್ಲಿ ನಡೆದ ದುಂಡು ಮೇಜಿನ ಪರಿಷದ್‌ನಲ್ಲಿ ಭಾಗವಹಿಸಿದರು

- A. ಕೇವಲ II
- B. ಕೇವಲ I
- C. ಎಲ್ಲಾ I, II ಮತ್ತು III ✓
- D. ಕೇವಲ II ಮತ್ತು III



Q67 General Awareness

ಸುಸ್ಥಿರ ಅಭಿವೃದ್ಧಿಯ ಐದು P ಗಳು ಯಾವುವು?

- A. ಪೀಪಲ್, ಪೀಸ್, ಪ್ರಾಸ್ಪರಿಟಿ, ಪ್ಲಾನೆಟ್, ಪಾರ್ಟ್ನರ್ ಶಿಪ್ (People, Peace, Prosperity, Planet, Partnership) ✓
- B. ಪವರ್ಟಿ, ಪೀಸ್, ಪ್ರೊಟೆಕ್ಷನ್, ಪ್ಲಾಂಟ್, ಪ್ರಾಡಕ್ಟ್ (Poverty, Peace, Protection, Plant, Product)
- C. ಪೊಪುಲೇಶನ್, ಪೀಸ್, ಪ್ರಾಡಕ್ಷನ್, ಪವರ್, ಪಾರ್ಟ್ನರ್ ಶಿಪ್ (Population, Peace, Production, Power, Partnership)
- D. ಪೀಪಲ್, ಪೀಸ್, ಪವರ್, ಪ್ಲಾನೆಟ್, ಪಾರ್ಟ್ನರ್ ಶಿಪ್ (People, Peace, Power, Planet, Partnership)

Q68 General Awareness

1960 ರ ದಶಕದ ಅಂತ್ಯದ ವೇಳೆಗೆ, ಭಾರತವು ಕೃಷಿಯಲ್ಲಿ ಯಾವ ಪ್ರಮುಖ ಸಾಧನೆಯನ್ನು ಸಾಧಿಸಿತು?

- A. ಸಂಪೂರ್ಣವಾಗಿ ಸಾವಯವ ಕೃಷಿಗೆ ಬದಲಾಗಿದ್ದು
- B. ಆಹಾರ ಧಾನ್ಯಗಳ ರಫ್ತು ಆರಂಭವಾಯಿತು
- C. ಆಹಾರ ಧಾನ್ಯಗಳಲ್ಲಿ ಸ್ವಾವಲಂಬಿಯಾಯಿತು ✓
- D. ರಸಗೊಬ್ಬರ ಬಳಕೆ ನಿಲ್ಲಿಸಿದ್ದು

Q69 General Awareness

ಏಪ್ರಿಲ್ 1, 2025 ರಂದು ಆಚರಿಸಲಾದ 'ಉತ್ಕಲ ದಿವಸ್' ____ ರಾಜ್ಯದ ರಚನೆಯ ವಾರ್ಷಿಕೋತ್ಸವವನ್ನು ಸೂಚಿಸುತ್ತದೆ.

- A. ಉತ್ತರಾಖಂಡ
- B. ಒಡಿಶಾ ✓
- C. ತೆಲಂಗಾಣ
- D. ಛತ್ತೀಸ್ ಗಢ

Q70 General Awareness

ಈ ಕೆಳಗಿನವುಗಳಲ್ಲಿ ಯಾವ ಜಾನಪದ ನೃತ್ಯವನ್ನು ಒಡಿಶಾ ಮತ್ತು ಛತ್ತೀಸ್‌ಗಢ ರಾಜ್ಯಗಳಲ್ಲಿ ಉತ್ತಮವಾಗಿ ಬೆಳೆ ಬಂದದ್ದನ್ನು ಸಂಭ್ರಮಿಸಲು ಪ್ರದರ್ಶಿಸಲಾಗುತ್ತದೆ?

- A. ಕರ್ಮ ✓
- B. ಗರ್ಬಾ
- C. ಭಾಂಗ್ರಾ
- D. ರೌಫ್

Q71 General Awareness

ಸ್ಟ್ಯಾಂಡ್-ಅಪ್ ಇಂಡಿಯಾ ಯೋಜನೆಯಡಿಯಲ್ಲಿ, ಅರ್ಹ ಫಲಾನುಭವಿಗಳಿಗೆ ಶೆಡ್ಯೂಲ್ಡ್ ವಾಣಿಜ್ಯ ಬ್ಯಾಂಕುಗಳಿಂದ (SCBs) ಯಾವ ವ್ಯಾಪ್ತಿಯಲ್ಲಿ ಬ್ಯಾಂಕ್ ಸಾಲಗಳನ್ನು ನೀಡಲಾಗುತ್ತದೆ?

- A. ₹1 ಕೋಟಿಯಿಂದ ₹5 ಕೋಟಿ
- B. ₹25 ಲಕ್ಷದಿಂದ ₹2 ಕೋಟಿ
- C. ₹10 ಲಕ್ಷದಿಂದ ₹1 ಕೋಟಿ ✓
- D. ₹5 ಲಕ್ಷದಿಂದ ₹50 ಲಕ್ಷ

Q72 General Awareness

ಜನವರಿ 22, 2025 ರಂದು ಕೋಲ್ಕತ್ತಾದ ಈಡನ್ ಗಾರ್ಡನ್ಸ್‌ನಲ್ಲಿ ನಡೆದ ಪಂದ್ಯದಲ್ಲಿ ಅಂತರರಾಷ್ಟ್ರೀಯ ಟಿ20 ಪಂದ್ಯಗಳಲ್ಲಿ ಯುಜ್ವೇಂದ್ರ ಚಾಹಲ್ ಅವರನ್ನು ಹಿಂದಿಕ್ಕಿ ಭಾರತದ ಪರ ಅತಿ ಹೆಚ್ಚು ವಿಕೆಟ್ ಪಡೆದ ಬೌಲರ್ ಎಂಬ ಹೆಗ್ಗಳಿಕೆಗೆ ಪಾತ್ರರಾದ ಬೌಲರ್ ಯಾರು?

- A. ಅರ್ಷದೀಪ್ ಸಿಂಗ್ ✓
- B. ಕುಲದೀಪ್ ಯಾದವ್
- C. ಜಸ್ಪೀತ್ ಬೂಮ್ರಾ
- D. ಮೊಹಮ್ಮದ್ ಸಿರಾಜ್

Q73 General Awareness

ಭಾರತೀಯ ರಾಷ್ಟ್ರೀಯ ಕಾಂಗ್ರೆಸ್ಸಿನ (1885-1905) ಮಂದಗಾಮಿ ನಾಯಕತ್ವವು ಮುಂದಿಟ್ಟ ಯಾವ ಬೇಡಿಕೆಯು ವಸಾಹತುಶಾಹಿಯ ನಿರ್ಧಾರ ತೆಗೆದುಕೊಳ್ಳುವ ವಿನ್ಯಾಸಗಳಲ್ಲಿ ಭಾರತದ ಪಾಲ್ಗೊಳ್ಳುವಿಕೆಯನ್ನು ವಿಸ್ತರಿಸುವ ಅವರ ಉದ್ದೇಶವನ್ನು ಹೆಚ್ಚು ಸ್ಪಷ್ಟವಾಗಿ ಪ್ರತಿಬಿಂಬಿಸುತ್ತದೆ?

- A. ರಾಜಕೀಯ ಅಧಿಕಾರವನ್ನು ಭಾರತೀಯರಿಗೆ ತಕ್ಷಣ ವರ್ಗಾಯಿಸುವುದು
- B. ಭಾರತೀಯ ಪ್ರಾತಿನಿಧ್ಯಕ್ಕಾಗಿ ಶಾಸನ ಮಂಡಳಿಗಳ ವಿಸ್ತರಣೆ ✓
- C. ಪ್ರತಿಗಾಮಿ ಪರೋಕ್ಷ ತೆರಿಗೆಯನ್ನು ತಗ್ಗಿಸುವುದು
- D. ಭಾರತೀಯರಿಗೆ ಅಧಿಕಾರವರ್ಗಗಳಲ್ಲಿನ ನೇಮಕಾತಿಗಳಲ್ಲಿ ಆದ್ಯತೆಯ ಹಂಚಿಕೆ



Q74 General Science **ENGLISH**

Which of the following everyday mixtures is best classified as a suspension?

- A. Chalk powder mixed with water** ✓
- B. Copper sulphate dissolved in water
- C. Salt solution prepared in water
- D. Sugar completely dissolved in water

Q75 General Science **ENGLISH**

If the current in a wire is 2 amperes, how much charge flows through a cross-section in 5 seconds?

- A. 2.5 coulombs
- B. 10 coulombs** ✓
- C. 7 coulombs
- D. 0.4 coulombs

Q76 General Science **ENGLISH**

What is the sign of the focal length for a convex lens as per the sign convention for spherical lenses?

- A. Negative
- B. Zero
- C. Variable
- D. Positive** ✓

Q77 General Science **ENGLISH**

Which observation supports the law of constant proportions for water?

- A. Water exists in three states
- B. Water boils at fixed temperature
- C. Hydrogen and oxygen ratio is fixed** ✓
- D. Water conducts electricity weakly

Q78 General Science **ENGLISH**

What conclusion can be drawn from the experiment in which potassium permanganate solution remains coloured even after repeated dilution?

- A. Particles of matter are visible to naked eye
- B. Particles of matter are fixed and stationary
- C. Particles of matter are extremely small in size** ✓
- D. Particles of matter occupy no space at all

Q79 General Science **ENGLISH**

A student uses a convex lens to project an image of a tree onto a wall. If the image is found to be smaller than the tree, what can be inferred about the tree's position relative to the lens?

- A. The tree is placed beyond twice the focal length (beyond 2F) of the lens.** ✓
- B. The tree is between the lens and its focal point.
- C. The tree is at the focal point of the lens.
- D. The tree is at twice the focal length from the lens.

Q80 General Science **ENGLISH**

A dentist uses a mirror to obtain a large image of a patient's tooth. Which mirror should the dentist use and why?

- A. Plane mirror, because it gives a real image
- B. Spherical mirror, because it gives a virtual image
- C. Concave mirror, because it gives a magnified image** ✓
- D. Convex mirror, because it gives a magnified image

Q81 General Science **ENGLISH**

Why are sulphide ores usually converted into oxides before the extraction of metals?

- A. Sulphide ores contain more gangue materials
- B. Metal oxides are easier to reduce than sulphides** ✓
- C. Metal sulphides react faster with carbon
- D. Sulphide ores are unstable at room temperature



Q82 General Science **ENGLISH**

If a body at rest is dropped from a certain height and takes 4 seconds to reach the ground, what is the approximate height from which it was dropped? (Take $g = 10 \text{ m/s}^2$)

- A. 100 meters
- B. 80 meters ✓
- C. 160 meters
- D. 40 meters

Q83 General Science **ENGLISH**

Which of the following tissues ensures that food made in the leaves is delivered to all plant parts?

- A. Epidermis
- B. Mesophyll
- C. Xylem
- D. Phloem ✓

Q84 General Science **ENGLISH**

In a micelle, which part faces outward toward water?

- A. Grease molecule
- B. Ionic head ✓
- C. Non-polar end
- D. Hydrocarbon tail

Q85 General Science

ಸಸ್ಯ ರೋಗಗಳು ಈ ಕೆಳಗಿನವುಗಳ ಮೂಲಕ ಹರಡುವ ರೋಗಕಾರಕಗಳಿಂದ ಉಂಟಾಗುತ್ತವೆ:

- A. ಬೆಳೆಯ ಅವಶೇಷಗಳು ಮಾತ್ರ
- B. ಮಣ್ಣು, ನೀರು ಮತ್ತು ಗಾಳಿ ✓
- C. ರಸಗೊಬ್ಬರ ಮತ್ತು ಕೊಟ್ಟಿಗೆಗೊಬ್ಬರ ಮಾತ್ರ
- D. ಸೂರ್ಯನ ಬೆಳಕಿಗೆ ಒಡ್ಡಿಕೊಳ್ಳುವುದರಿಂದ

Q86 General Science **ENGLISH**

Why are brackets used in the formula $\text{Ca}(\text{OH})_2$?

- A. To show ionic nature
- B. To balance oxygen atoms
- C. To indicate two hydroxide groups ✓
- D. To represent molecular bonding

Q87 General Science **ENGLISH**

When dilute hydrochloric acid reacts with calcium carbonate, the gas evolved is passed through limewater. On passing the gas in excess, the milkiness disappears due to the formation of:

- A. Calcium carbonate
- B. Calcium oxide
- C. Calcium hydroxide
- D. Calcium hydrogen carbonate ✓

Q88 General Science

ಈ ಕೆಳಗಿನ ಯಾವ ಸನ್ನಿವೇಶವು ಕ್ರಿಯಾ ಬಲ ಮತ್ತು ಪ್ರತಿಕ್ರಿಯಾ ಬಲಗಳಿಗೆ ಒಂದು ಉದಾಹರಣೆಯಲ್ಲ?

- A. ಒಂದು ಕ್ರಿಕೆಟ್ ಬೆಂಡಿಗೆ ಬಾರಿಸುವ ಒಂದು ಬ್ಯಾಟ್
- B. ನೀರನ್ನು ಹಿಂದಕ್ಕೆ ತಳ್ಳುವ ಒಬ್ಬ ಈಜುಗಾರ
- C. ಮೇಲಕ್ಕೆ ಎಸೆದ ಒಂದು ಚೆಂಡು ಗುರುತ್ವಾಕರ್ಷಣೆಯ ಬಲದಿಂದಾಗಿ ಮತ್ತೆ ಕೆಳಗೆ ಬರುವುದು ✓
- D. ಮೇಲ್ಮುಖವಾಗಿ ಉಡಾವಣೆಯಾಗುವ ಒಂದು ರಾಕೆಟ್

Q89 General Science

ಕೃಷಿ ನೀರಿನ ಲಭ್ಯತೆ ಮತ್ತು ಮಣ್ಣಿನ ಗುಣಮಟ್ಟವನ್ನು ಸುಧಾರಿಸಲು ತಡೆಕಟ್ಟಿಗಳು (ಚೆಕ್ ಡ್ಯಾಮ್) ಹೇಗೆ ಸಹಾಯ ಮಾಡುತ್ತವೆ?

- A. ಅವು ನಗರದ ಬಳಕೆಗಾಗಿ ಮಾತ್ರ ನೀರನ್ನು ಸಂಗ್ರಹಿಸುತ್ತವೆ ಮತ್ತು ಮಣ್ಣಿನ ಸವೆತವನ್ನು ಕಡಿಮೆ ಮಾಡುತ್ತವೆ
- B. ಅವು ಅಂತರ್ಜಲ ಮಟ್ಟವನ್ನು ಹೆಚ್ಚಿಸುತ್ತವೆ ಮತ್ತು ಮಣ್ಣಿನ ಸವೆತವನ್ನು ಕಡಿಮೆ ಮಾಡುತ್ತವೆ ✓
- C. ಅವು ಹೊಲಗಳಿಂದ ನೀರನ್ನು ಬೇರೆಡೆಗೆ ತಿರುಗಿಸುತ್ತವೆ ಮತ್ತು ಮಣ್ಣಿನ ಸವೆತವನ್ನು ಹೆಚ್ಚಿಸುತ್ತವೆ
- D. ಅವು ನದಿ ನೀರಿನಿಂದ ಹೊಲಗಳಿಗೆ ನೇರವಾಗಿ ನೀರಾವರಿ ಅನುಕೂಲ ಕಲ್ಪಿಸುತ್ತವೆ ಮತ್ತು ಮಣ್ಣಿನ ಸವೆತವನ್ನು ಹೆಚ್ಚಿಸುತ್ತವೆ



Q90 General Science **ENGLISH**

A car suddenly changes direction while moving at constant speed. Which aspect of inertia is being demonstrated, and how does the car's mass influence this effect?

- A.** The inertia of direction is demonstrated, and a car with greater mass will resist the change in direction more. ✓
- B.** The inertia of speed is demonstrated, and a lighter car resists direction change more.
- C.** Mass only affects speed, not direction, when a car turns.
- D.** The inertia of rest is demonstrated, and the car's mass does not affect direction changes.

Q91 General Science **ENGLISH**

Why are metals such as sodium and calcium extracted by electrolytic reduction instead of heating with carbon?

- A.** They exist only as molten chlorides in nature
- B.** They have greater affinity for oxygen than carbon ✓
- C.** They decompose when heated with carbon
- D.** They form unstable oxides at high temperature

Q92 General Science

ಎರೆಗೊಬ್ಬರ ತಯಾರಿಸಲು ಬಳಸುವ ಪ್ರಮುಖ ವಸ್ತು ಯಾವುದು?

- A.** ಯೀಸ್ಟ್
- B.** ಎರೆಹುಳುಗಳು ✓
- C.** ಬ್ಯಾಕ್ಟೀರಿಯಾ ಮತ್ತು ವೈರಸ್‌ಗಳು
- D.** ರಾಸಾಯನಿಕ ಗೊಬ್ಬರಗಳು

Q93 General Science

ಒಬ್ಬ ರೈತನು ಉತ್ತಮ ಖಾದ್ಯ ಗುಣಮಟ್ಟ ಮತ್ತು ಬರ ನಿರೋಧಕತೆಯುಳ್ಳ ಗೋಧಿಯನ್ನು ಬೆಳೆಯಲು ಬಯಸುತ್ತಾನೆ. ಹಾಗಾದರೆ ಗೋಧಿಯ ತಳಿ ಸುಧಾರಣೆ ಮಾಡುವಾಗ ಯಾವ ಎರಡು ಗುಣಲಕ್ಷಣಗಳನ್ನು ಪ್ರಮುಖ ಗುರಿಯಾಗಿಸಿಕೊಳ್ಳಬೇಕಿದೆ?

- A.** ವ್ಯಾಪಕ ಹೊಂದಾಣಿಕೆ ಸಾಮರ್ಥ್ಯ ಮತ್ತು ಜೈವಿಕ ರೋಧ ಗುಣ
- B.** ಹೆಚ್ಚಿನ ಇಳುವರಿ ಮತ್ತು ವ್ಯಾಪಕ ಹೊಂದಾಣಿಕೆ ಸಾಮರ್ಥ್ಯ
- C.** ಸುಧಾರಿತ ಗುಣಮಟ್ಟ ಮತ್ತು ಜೈವಿಕ ರೋಧ ಗುಣ
- D.** ಸುಧಾರಿತ ಗುಣಮಟ್ಟ ಮತ್ತು ಅಜೈವಿಕ ರೋಧ ಗುಣ ✓

Q94 General Science

ಈ ಕೆಳಗಿನವುಗಳಲ್ಲಿ ಯಾವುದನ್ನು ಸಾಮಾನ್ಯವಾಗಿ 'ಹೆಚ್ಚಿನ ಒತ್ತಡದಲ್ಲಿ ಸಂಗ್ರಹಿಸಲಾಗುತ್ತದೆ'?

- A.** NaCl ✓
- B.** H₂
- C.** N₂
- D.** ಘನ CO₂

Q95 General Science **ENGLISH**

Which waste based difference between the renal artery and renal vein is directly related to excretory function?

- A.** The renal vein has higher pressure
- B.** The renal artery contains more urea ✓
- C.** The renal vein contains more oxygen
- D.** The renal artery has more valves

Q96 General Science

ಒಬ್ಬ ವಿದ್ಯಾರ್ಥಿಯು ಹೇಳುವಂತೆ ಸಮಾನ ದ್ರವ್ಯರಾಶಿಯ ಎರಡು ಕಾರುಗಳಲ್ಲಿ, ಒಂದು ಕಾರು 40 km/h ವೇಗದಲ್ಲಿ ಚಲಿಸುತ್ತಿದೆ ಮತ್ತು ಇನ್ನೊಂದು ಕಾರು 80 km/h ವೇಗದಲ್ಲಿ ಚಲಿಸುತ್ತಿದೆ. ಈ ಎರಡೂ ಕಾರುಗಳ ಎಂಜಿನ್‌ಗಳು ಸಮಾನ ಪ್ರಮಾಣದ ಶಕ್ತಿಯನ್ನು ಒದಗಿಸುತ್ತಿರುವುದರಿಂದ ಚಲನ ಶಕ್ತಿಯು ಸಹ ಸಮಾನವಾಗಿದೆ. ಹಾಗಾದರೆ ಈ ತರ್ಕದಲ್ಲಿರುವ ದೋಷವೇನು?

- ಎರಡೂ ಕಾರುಗಳು ಒಂದೇ ಅಳತೆಯ ದೂರವನ್ನು
- A.** ಕ್ರಮಿಸುವುದರಿಂದ ಎರಡೂ ಕಾರುಗಳು ಸಮಾನವಾದ ಚಲನ ಶಕ್ತಿಯನ್ನು ಹೊಂದಿವೆ
- B.** ಎಂಜಿನ್‌ಗಳು ಒಂದೇ ರೀತಿಯದಾಗಿದ್ದರೆ ಕಾರುಗಳ ಸಾಮರ್ಥ್ಯ ಸಮಾನವಾಗಿರುತ್ತದೆ
- ಚಲನ ಶಕ್ತಿಯು ಪೂರೈಸಲಾದ ಶಕ್ತಿಯನ್ನು ಮಾತ್ರವೇ
- C.** ಅವಲಂಬಿಸಿರದೆ, ಜವದ ವರ್ಗವನ್ನು ಸಹ ಅವಲಂಬಿಸಿರುತ್ತದೆ ✓
- D.** ಜವದ ಪ್ರಮಾಣ ಏನೇ ಇದ್ದರೂ, ಪೂರೈಕೆ ಮಾಡಲಾಗುವ ಶಕ್ತಿಯು ಸಾಮರ್ಥ್ಯವನ್ನು ನಿರ್ಧರಿಸುತ್ತದೆ

Q97 General Science **ENGLISH**

When using the sign convention for spherical mirrors, which direction along the principal axis is considered positive?

- A.** To the right of the origin (along + x-axis) ✓
- B.** Downwards from the principal axis
- C.** To the left of the origin (along - x-axis)
- D.** Upwards from the principal axis



Q98 General Science **ENGLISH**

How do rays parallel to the principal axis behave after reflection from a convex mirror?

- A.** They appear to diverge from a point on the principal axis. ☒
- B.** They pass through the centre of curvature.
- C.** They get reflected back along the same path.
- D.** They actually converge at the focus.

Q99 General Science **ENGLISH**

The fluid content inside the plasma membrane is named:

- A.** Genes
- B.** Chromosomes
- C.** Chromatin
- D.** Cytoplasm ☒

Q100 General Science

ನಮ್ಮ ಅಂಗೈಯ ಮೇಲೆ ಅಸಿಟೋನ್ ಅಥವಾ ಪೆಟ್ರೋಲ್ ಸುರಿದಾಗ ಅಂಗೈ ತಣ್ಣಗಾಗಲು ಕಾರಣವೇನು?

- A.** ದ್ರವವು ನಮ್ಮ ಚರ್ಮದ ಮೇಲ್ಮೈಯೊಂದಿಗೆ ರಾಸಾಯನಿಕವಾಗಿ ವರ್ತಿಸುತ್ತದೆ
- B.** ಈ ದ್ರವವು ಚರ್ಮದ ಮೇಲ್ಮೈಯಲ್ಲಿ ತೇವಾಂಶವನ್ನು ಹೆಚ್ಚಿಸುತ್ತದೆ
- C.** ದ್ರವವು ಸುತ್ತಮುತ್ತಲಿನಿಂದ ಶಾಖವು ಹರಿಯದಂತೆ ತಡೆಯುತ್ತದೆ
- D.** ದ್ರವವು ಚರ್ಮದಿಂದ ಶಾಖವನ್ನು ಹೀರಿಕೊಳ್ಳುತ್ತದೆ ಮತ್ತು ಆವಿಯಾಗುತ್ತದೆ ☒



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