

Q1. Time and Distance

A cyclist covers a distance of 2.5 km in 4 minutes 10 seconds. How long will he take to cover a distance of 6 km at the same speed?

- (A) 12 minutes**
- (B) 11 minutes**
- (C) 10 minutes**
- (D) 9 minutes**

Data Interpretation

Q2. The table shows the value of Indian exports across different goods for different years. What is the yearly average export (combined) of fruits, IT products, and defense products from 2018 to 2020? (Amount in Crores)

- (A) 282 crores**
- (B) 165 crores**
- (C) 280 crores**
- (D) 287 crores**

Coding-Decoding

Q3. In a certain code language, TOUGH is written as 20152178 and PLEAD is written as 1612514. How will CLOVE be written in the same language?

- (A) 31115215**
- (B) 31215225**
- (C) 31215324**
- (D) 31315235**

Chemistry

Q4. What will come in place of p and q, respectively, in the given double displacement reaction?



- (A) NO_3 and Cl
- (B) Cl and NO_3
- (C) NO_3 and NO_3
- (D) Cl and Cl

Current Affairs

Q5. In February 2022, India became the first country in the world to play _____ One Day International cricket matches.

- (A) 800
- (B) 1100
- (C) 1000
- (D) 900

Series Completion

Q6. Select the option that represents the letters that, when placed from left to right in the same sequence in the blanks below, will complete the letter series.

C P R _ D T _ R N _ T R N _ T P _ N

- (A) TNPEPFR
- (B) TPNDPFR
- (C) TNTEPFP

(D) PNPFRFP

Analogy

Q7. In the given letter-cluster pairs, the first letter-cluster is related to the second letter-cluster following a certain logic. Select the pair that follows the same logic.

TOP: VRU

XOR: ZRW

(A) QIP: SLV

(B) NET: PGY

(C) NOR: PRW

(D) TOM: VRQ

Current Affairs

Q8. The Union Budget 2022-23 has proposed to reduce the surcharge of cooperative societies from 12% to _____ for those whose income is between ₹1 crore and ₹10 crore.

(A) 11%

(B) 10%

(C) 7%

(D) 9%

Physics

Q9. Which of the following materials is preferably used in making heating elements of electrical heating devices?

(A) Tungsten

(B) Tin-lead alloy

(C) Constantan

(D) Nichrome

Logical Reasoning

Q10. 4 people A, B, C and D are sitting in a straight line, facing north. A and C are not sitting adjacent to each other, while C and B are sitting adjacent to each other. Which of the following sitting arrangements is NOT possible?

(A) CBAD

(B) DABC

(C) BCAD

(D) ABCD

Physics

Q11. Which of the following home appliances does NOT use an electric motor?

(A) Electric washing machine

(B) Electric mixer

(C) Electric iron

(D) Electric fan

Logical Reasoning

Q12. Three statements are given, followed by two conclusions. Assuming the statements to be true, decide which of the conclusions logically follow(s).

Statements:

All sketches are cards.

All cards are posters.

Some sketches are folders.

Conclusions:

I. Some folders are posters.

II. Some cards are folders.

(A) Only conclusion II follows

(B) Only conclusion I follows

(C) Either conclusion I or II follows

(D) Both conclusions I and II follow

Arithmetic

Q13. The value of $\sqrt{144} + \sqrt{0.0169} - \sqrt{4.41}$ is:

(A) 15.4

(B) 10.03

(C) 14.23

(D) 11.2

Physics

Q14. Two resistors of 4Ω each are connected in parallel to a 5 V battery source. The total current in the circuit is:

(A) 5 A

(B) 20 A

(C) 10 A

(D) 2.5 A

Statistics

Q15. The average of thirteen consecutive integers is 36. If two times the smallest of these 13 integers is added to the largest of these 13 integers, what will be the sum obtained?

(A) 115

(B) 121

(C) 102

(D) 110

Number Series

Q16. Which of the following numbers will replace the question mark (?) in the given series?

13, 27, 56, 115, 234, ?

(A) 346

(B) 332

(C) 482

(D) 473

Chemistry

Q17. Consider the statements below and identify the correct answer.

Statement-I: Modern periodic table has 18 vertical columns known as groups.

Statement-II: Modern periodic table has 7 horizontal rows known as periods.

- (A) Both statements are correct.
- (B) Both statements are incorrect.
- (C) Statement I is correct, Statement II is incorrect.
- (D) Statement II is correct, Statement I is incorrect.

Current Affairs

Q18. From which state of India did ISRO successfully test-fire the Vikas engine, that would power India's first human-carrying rocket Gaganyaan?

- (A) Punjab
- (B) Tamil Nadu
- (C) Haryana
- (D) Rajasthan

Algebra

Q18. If $x^2 + xy + x = 18$ and $y^2 + xy + y = 24$, then the value of $x + y$ is:

- (A) -5 or 6
- (B) 5 or -6
- (C) 6 or -7 (D) -6 or 7

Direction and Distance

Q19. Four houses, A, B, C and D, are located in the same colony. House A is 300 m to the north of House D. House C is 400 m to the east of House B. House A is 300 m to the south of House B. In which direction is House D with reference to House B?

- (A) West

(B) North

(C) South

(D) East

Data Interpretation

Q20. The pie chart shows the percentage distribution of expenditure in manufacturing a power bank. If 100 power banks are manufactured and the manufacturing cost is ₹50,000, what should be the selling price to earn a 50% profit?

(A) ₹2400

(B) ₹2500

(C) ₹2200

(D) ₹3000

Biology

Q21. Given below are some conclusions of Mendel's work on pea plants. Select the INCORRECT conclusion.

(A) Genes are inherited as distinct units.

(B) Segregation of genes takes place during the formation of gametes.

(C) Each gamete has two copies of the same gene.

(D) Genes come in pairs.

Logical Reasoning

Q22. In this question, a statement is followed by two conclusions. Which of the two conclusions is/are true with respect to the statement?

Statement: $C \leq F < E = D, G > H < I$

Conclusions:

I. $D > C$

II. $H < F$

(A) Neither conclusion I nor II is true

(B) Only conclusion II is true

(C) Only conclusion I is true

(D) Both conclusions I and II are true

Environmental Science

Q23, What is the main reason for the pollution of River Ganga by coliform bacteria?

(A) Immersion of unburnt corpses

(B) Chemical effluents from industries

(C) Washing of clothes

(D) Untreated sewage dumped in it

Biology

Q24. Oral pills used for birth control change the hormonal balance of the body. How do these prevent pregnancy? Select the correct option.

(A) Lining of the uterus breaks off

(B) Eggs are released but no fertilisation

(C) No formation of eggs

(D) Eggs are not released and no fertilisation

Logical Reasoning

Q25. Each of A, B, C, D, E and F has an exam on a different day of a week from Monday to Sunday. Thursday is a gap day. E's exam is on Saturday. A's and F's exams are separated by the gap day. D's exam is immediately before F's but after C's. B's exam is on Sunday. On which day is D's exam?

- (A) Friday**
- (B) Tuesday**
- (C) Wednesday**
- (D) Monday**

Number Series

Q26. Which of the following numbers will replace the question mark (?) in the given series?

25, 36, 49, 66, 85, ?

- (A) 103**
- (B) 110**
- (C) 105**
- (D) 108**

Word Problem

Q27. Ten years ago, a mother was 3 times as old as her son. 5 years ago she was 2 times her son's age. What is her present age?

- (A) 30 years**
- (B) 35 years**
- (C) 55 years**

(D) 45 years

Current Affairs

Q28. Which of the following is the world's largest food security programme extended till September 2022 by the Union Cabinet?

(A) Annapurna Scheme

(B) Swaranjayanti Gram Swarozgar Yojana

(C) Pradhan Mantri Garib Kalyan Anna Yojana

(D) Mahatma Gandhi National Rural Employment Guarantee Act

Compound Interest

Q29. If a sum of money doubles itself in 10 years at compound interest, then in how many years will it become 16 times of itself at the same rate?

(A) 30

(B) 20

(C) 40

(D) 10

Geometry

Q30. Which of the following is NOT a true statement?

(A) Diagonals of a rhombus bisect each other at right angles.

(B) All squares are rhombuses.

(C) The sum of any pair of adjacent angles of a rhombus is not 180° .

(D) All sides of a rhombus are congruent.

Chemistry

Q31. A compound X is a transparent crystalline solid. It has cleansing properties and is used in the manufacture of glass. Compound X is:

- (A) baking soda**
- (B) sodium hydroxide**
- (C) bleaching powder**
- (D) washing soda**

Algebra

Q32. Solve: $2(5x - 3) + 3(3x - 5) = 93$

- (A) $x = 6$**
- (B) $x = 9$**
- (C) $x = -6$**
- (D) $x = -9$**

Physics

Q33. In a dynamo, electric current is produced using the principle of:

- (A) electromagnetism**
- (B) electric conduction**
- (C) electromagnetic radiation**
- (D) electromagnetic induction**

Arithmetic

Q34. The value of $(3^0 + 3^{-2} + 3^{-1}) \times 27 = ?$

- (A) 3
- (B) 32
- (C) 23
- (D) 39

Polity

Q35. Which of the following languages is NOT a classical language in India as of June 2022?

- (A) Odia
- (B) Bengali
- (C) Sanskrit
- (D) Tamil

Number Analogy

Q36. Select the set in which the numbers are related in the same way as are the numbers of the following sets.

- (4, 3, 16)
- (3, 5, 19)
- (A) (8, 2, 20)
- (B) (8, 1, 18)
- (C) (5, 2, 49)
- (D) (3, 2, 12)

Coding-Decoding

Q37. In a certain code language, ROUTINE is written as UORTENI and PLAYERS is written as ALPYSRE. How will BANKING be written in the same language?

- (A) NABGNIK**
- (B) NABKGNI**
- (C) BNAKIGN**
- (D) NBAIGKN**

Current Affairs

Q38. As per the Annual Status of Education Report (rural) -2021, what was the enrolment rate of children in government schools in 2021?

- (A) 65.3%**
- (B) 72.5%**
- (C) 70.3%**
- (D) 67.5%**

Biology

Q39. Selectively permeable membranes are those that allow the penetration of _____.

- (A) neither solvent nor solute molecules**
- (B) only solvent molecules but not solute molecules**
- (C) both solvent and solute molecules**
- (D) only solute molecules but not solvent molecules**

Logical Reasoning

Q40. Study the given letter, number, symbol series and answer the question that follows.

7T%N9#MS3U=L8Y@G&3E*5&R3!K#7%H=YO

Find the total number of letters that are immediately followed by a number and immediately preceded by a symbol.

(A) 1

(B) 2

(C) 4

(D) 3

Chemistry

Q41. The insoluble substance formed in a solution during a chemical reaction is known as a _____.

(A) residue

(B) aqueous solution

(C) soluble salt

(D) precipitate

Logical Reasoning (Language-specific)

Q42. This question and its options are in a language other than English.

Chemistry

Q43. Consider the below statements and identify the correct answer.

Statement-I: Most carbon compounds are poor conductors of electricity.

Statement-II: Carbon compounds have low melting and boiling points.

- (A) Both statements are false**
- (B) Statement-II is true, and Statement-I is false**
- (C) Statement-I is true, and Statement-II is false**
- (D) Both statements are true**

Word Problem

Q44. In the year 2000, Monu was 3 times his sister's age. In 2010, he was 24 years older than her. Find Monu's age in 2010.

- (A) 38 years**
- (B) 46 years**
- (C) 52 years**
- (D) 62 years**

Time

Q45. What is the angular distance covered by the second hand of a correct clock in 12 minutes?

- (A) 4762°**
- (B) 5120°**
- (C) 4320°**
- (D) 5611°**

Logical Reasoning

Q46. V, W, X, Y, Z, A and B are seven boxes kept one over the other. A is immediately above W. Four boxes are between B and W. One box is

between V and X. X is immediately above A. B is at the topmost position. How many boxes are between Z and Y?

- (A) Two
- (B) Three
- (C) Four
- (D) One

Number Systems

Q47. There are three numbers which are co-prime to one another such that the product of the first two is 357 and that of the last two is 609. What is the sum of the three numbers?

- (A) 91
- (B) 67
- (C) 83
- (D) 75

Number Analogy

Q48. Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(7, 175, 5)

(6, 294, 7)

(A) (5, 140, 7)

(B) (3, 192, 8)

(C) (6, 216, 5)

(D) (8, 412, 9)

Physics

Q49. Which of the following is NOT a result of ozone layer depletion?

- (A) The Earth getting more UV rays from the Sun
- (B) Tsunami
- (C) Immune deficiency disorders
- (D) Skin cancer

Trigonometry

Q50. Simplify: $\sin A / (1 + \cos A) + (1 + \cos A) / \sin A$.

- (A) $2\sec A$
- (B) $\sec A$
- (C) $\operatorname{cosec} A$
- (D) $2\operatorname{cosec} A$

Current Affairs

Q51. Which Indian Cricketer played his 100th test match against Sri Lanka in Mohali in March 2022?

- (A) Rohit Sharma
- (B) Ravichandran Ashwin
- (C) Virat Kohli
- (D) Ishant Sharma

Biology

Q52. Some features of transportation in plants are mentioned below. Which option shows the INCORRECT feature?

- (A) Vessels and Tracheids are dead cells and Sieve tubes are living.**
- (B) Movement of both water and food is bidirectional.**
- (C) Xylem transports water and Phloem transports food.**
- (D) Water movement is by simple physical forces; food movement requires energy.**

Geography

Q53. Which of the following is NOT a tributary of the Yamuna river system?

- (A) Hindon**
- (B) Chambal**
- (C) Sind**
- (D) Chenab**

Biology

Q54. Kidney is an organ of excretion and osmoregulation in humans. Regulation of which two substances is done by the kidneys?

- (A) Water and O₂**
- (B) Sugar and salts**
- (C) CO₂ and proteins**
- (D) Water and salts**

Biology

Q55. Which of the following is a protein-splitting enzyme?

- (A) Ptyalin**

(B) Amylase

(C) Lipase

(D) Pepsin

Logical Reasoning

Q56. Three statements are given, followed by three conclusions. Assuming the statements to be true, decide which of the conclusions logically follow(s).

Statements:

All blazers are dungarees.

No dungaree is a scarf.

All pyjamas are dungarees.

Conclusions:

I. No blazer is a scarf.

II. No blazer is a pyjama.

III. Some blazers are pyjamas.

(A) Only conclusions I and III follow

(B) Only conclusion I follows

(C) Only conclusions I and II follow

(D) None of the conclusions follow

Mensuration

Q57. Find the volume of a sphere whose diameter is 12 cm.

(A) $864\pi \text{ cm}^3$

(B) $288\pi \text{ cm}^3$

(C) $284\pi \text{ cm}^3$

(D) $248\pi \text{ cm}^3$

Polity (Language-specific)

Q58. This question and its options are in a language other than English.

Statistics

Q59. The mean of the data 9, 3, 5, 4, 4, 5 and y is y . What is the mode of the data?

(A) 4

(B) 5

(C) 9

(D) 3

Geometry

Q61. The measure of each interior angle of a regular polygon is 120° . How many sides does this polygon have?

(A) 7

(B) 6

(C) 5

(D) 8

Logical Reasoning

Q62. Four friends are sitting around a square table. Himani is to the immediate right of Brinda. Mitali is to the immediate left of Shalaka.

Himani is second to the left of Shalaka. Himani is replaced by Kamini, and Brinda by Tara. Who is now to the immediate left of Tara?

- (A) Mitali**
- (B) Shalaka**
- (C) Brinda**
- (D) Kamini**

Time and Distance

Q63. A bike running at 50 km/h reaches its destination 10 minutes late. At 60 km/h, it is 5 minutes late. How many minutes should the bike take at its usual speed to be on time?

- (A) 15 minutes**
- (B) 25 minutes**
- (C) 20 minutes**
- (D) 12 minutes**

Physics

Q64. A concave lens produces a magnification of $\frac{1}{3}$ for an object placed 30 cm from it. The image is virtual and erect, at a distance of 10 cm. The magnification is:

- (A) -3**
- (B) 3**
- (C) $-\frac{1}{3}$**
- (D) $\frac{1}{3}$**

Physics

Q65. P, Q, R and S are four points on the surface of a concave mirror. If r_1, r_2, r_3 and r_4 are the distances of the centre of curvature from these points, then:

(A) $r_1 = r_2, r_3 = r_4, r_2 \neq r_3$

(B) $r_1 = r_2 = r_3 = r_4$

(C) $r_1 > r_2 > r_3 > r_4$

(D) $r_1 < r_2 < r_3 < r_4$

Geography

Q66. The largest brackish water lake of India is present in which state?

(A) Assam

(B) Odisha

(C) Gujarat

(D) Maharashtra

Data Interpretation

Q67. The diagram shows the number of people who are Indian, Industrialists, and Auto Makers. How many Indian industrialists make autos but are NOT steel producers?

(A) 6

(B) 3

(C) 8

(D) 5

Approximation

Q68. Which of the following is the closest approximate value for $125.99 - 35.92 + 3.89 \times 16.11$?

- (A) 158**
- (B) 166**
- (C) 154**
- (D) 150**

Number Systems

Q69. The sum of three consecutive multiples of 9 is 2457, find the largest one.

- (A) 828**
- (B) 990**
- (C) 819**
- (D) 999**

Physics

Q70. A wire of a given material has length 'l' and resistance 'R'. Another wire of the same material having nine times the length and the same area of cross-section will have a resistance equal to:

- (A) $\frac{1}{3} R$**
- (B) $\frac{1}{9} R$**
- (C) $9R$**
- (D) $3R$**

History

Q71. The Missionaries of Charity is a Catholic religious congregation established in _____ by Mother Teresa.

- (A) 1954
- (B) 1950
- (C) 1947
- (D) 1952

Polity

Q72. Which Article of the Indian Constitution states that "The Council of Ministers shall be collectively responsible to the House of the People"?

- (A) Article 80 (4)
- (B) Article 75 (2)
- (C) Article 75 (1)
- (D) Article 75 (3)

Mathematical Operations

Q73. Which two signs should be interchanged to make the given equation correct?

$$24 \times 6 - 12 + 18 \div 3 = 46$$

- (A) + and -
- (B) × and -
- (C) + and ÷
- (D) × and +

Culture (Language-specific)

Q74. This question and its options are in a language other than English.

Profit and Loss

Q75. If A bought an item for ₹384 and sold it for ₹576 and B bought another item for ₹1,254 and sold it for ₹1,672, what is the ratio of the gain of A to the gain of B?

(A) $5/2$

(B) $5/3$

(C) $5/2$

(D) $3/4$

Logical Reasoning

Q76. In a class of 21 students, each scored differently. P's rank from the bottom is 9th, while Q's rank from the top is also 9th. How many students are ranked between Q and P?

(A) 4

(B) 2

(C) 5

(D) 3

Physics

Q77. At which position on the principal axis does a concave mirror form a highly diminished, real and inverted image of an object?

(A) $2F$

(B) beyond $2F$

(C) between F and $2F$

(D) F

Physics

Q78. Lemons placed inside a beaker filled with water appear relatively larger in size due to:

(A) scattering of light

(B) refraction of light

(C) reflection of light

(D) dispersion of light

Current Affairs

Q79. N.K. Singh became the Chairman of which Finance Commission of India?

(A) 19th

(B) 12th

(C) 13th

(D) 15th

Number Systems

Q80. The HCF of 45, 78 and 117 is:

(A) 9

(B) 5

(C) 7

(D) 3

Economics

Q81. Workers who own and operate an enterprise to earn their livelihood are known as:

- (A) hired workers**
- (B) regular salaried employed workers**
- (C) government employed workers**
- (D) self-employed workers**

Algebra

Q82. The product of the roots of the quadratic equation $6 - 5x^2 - 8x = 0$ is:

- (A) $-8/5$**
- (B) $8/5$**
- (C) $6/5$**
- (D) $-6/5$**

Economics

Q83. Fiscal policy is the policy of:

- (A) the Government**
- (B) RBI**
- (C) NABARD**
- (D) Both the Government and RBI**

History

Q84. Which of the following Acts was passed by the British Parliament, defining the powers and responsibilities of the various organs of the East India Company?

- (A) Indian Councils Act of 1892**
- (B) Regulating Act of 1773**
- (C) Government of India Act of 1858**
- (D) Pitt's India Act of 1784**

Profit and Loss

Q85. A dealer allows a 30% discount on the marked price of an item and still makes a profit of 10%. By how much percentage is the marked price more than the cost price (rounded off to two places of decimal)?

- (A) 57.14%**
- (B) 26.67%**
- (C) 33.33%**
- (D) 45.45%**

Word Problem

Q86. The cost incurred by Mahesh to produce an item in the factory was ₹2,000. He had to spend 10% of the production cost on transport. He sold the item at a price that was 1.5% above the total cost. What was the selling price?

- (A) ₹2,300**
- (B) ₹2,530**
- (C) ₹2,500**
- (D) ₹2,250**

Ratio and Proportion

Q87. A sum of money is to be distributed among four members A, B, C, and D in the ratio 4:7:9:3. If C gets ₹720 more than D, find D's share.

(A) ₹240

(B) ₹160

(C) ₹360

(D) ₹480

Number Series

Q88. If each of the digits in the number 513924765 is arranged in ascending order, the position of how many digits will remain unchanged?

(A) None

(B) One

(C) Two

(D) Three

Logical Reasoning

Q89. Refer to the given letter and symbol series and answer the question that follows.

(Left) US&\$FOG&J%ZKDX¥IXE@YS (Right)

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

(A) 4

(B) 6

(C) 5

(D) 2

Chemistry

Q90. Which of the following group of hydrocarbons follows the general formula of C_nH_{2n} ?

(A) Alkyne

(B) Alkyl

(C) Alkane

(D) Alkene

Geography

Q91. Which physiographic division covers a distance of 2500 km from Indus to Brahmaputra in the west-east direction?

(A) Coastal plains

(B) Northern plains

(C) Himalayan mountains

(D) Peninsular plateau

History

Q92. The Twenty Point Programme (TPP) was launched by the Government of India in _____.

(A) 1980

(B) 1975

(C) 1985

(D) 1990

Chemistry

Q93. Consider the statements below and identify the correct answer.

Statement I: Among chemical properties, Mendeleev concentrated on the compounds formed by elements with carbon and hydrogen.

Statement II: He selected these elements as they are less reactive and formed compounds with few elements.

(A) Statement II is correct, Statement I is incorrect.

(B) Both statements are incorrect.

(C) Both statements are correct.

(D) Statement I is correct, Statement II is incorrect.

Logical Reasoning

Q94. Each vowel in the word 'DESTROY' is changed to the letter following it and each consonant is changed to the letter preceding it. If each letter thus formed is arranged in alphabetical order, which letter will be fifth from the right end?

(A) P

(B) F

(C) S

(D) R

Chemistry

Q95. In the chlor-alkali process, 'chlor' represents chlorine gas and 'alkali' represents:

- (A) NaOH**
- (B) CaCO₃**
- (C) Ca(OH)₂**
- (D) ZnO**

Direction and Distance

Q96. Starting from point L, a person walks 125 m towards the south. He then takes a left turn and walks 70 m. From there, he takes a left turn and walks 80 m. After that, he takes a left turn and walks 115 m. Finally, he takes a right turn and walks 45 m to reach point M. How far and in which direction is point M from point L? (All turns are 90-degree turns only)

- (A) 45 m, East**
- (B) 90 m, East**
- (C) 45 m, West**
- (D) 90 m, North**

Mensuration

Q97. Find the area of a rhombus whose diagonals are 12 cm and 15 cm long.

- (A) 45 cm²**
- (B) 60 cm²**
- (C) 90 cm²**
- (D) 80 cm²**

Current Affairs

Q98. Who has launched the first Indian Virtual Science Lab for children under the CSIR Jigyasa programme?

- (A) Dharmendra Pradhan**
- (B) Dr. Jitendra Singh**
- (C) Amit Shah**
- (D) Dr. Virendra Kumar**

Logical Reasoning

Q99. In this question, a statement is followed by two conclusions. Which of the two conclusions is/are true with respect to the statement?

Statement: $N > M < K \leq L > I = J$

Conclusions:

I. $L > J$

II. $N > L$

- (A) Neither conclusion I nor II is true**
- (B) Only conclusion II is true**
- (C) Only conclusion I is true**
- (D) Both conclusions I and II are true**

Arithmetic

Q100. The value of $12 \div 3 \times (7 + 8 - 3)$ is:

- (A) 48**
- (B) 24**

(C) 6/13

(D) 1/13

(Answer Key)

| Quest ion No. | Corr ect Opti on | Answer | Quest ion No. | Corr ect Opti on | Answ er |
|------------------------------|-------------------------------------|------------------------------|------------------------------|-------------------------------------|---------------------------------------------------------------------------------------|
| 1 | C | 10 minutes | 51 | D | 2cscA |
| 2 | D | ₹287 crores | 52 | C | Virat Kohli |
| 3 | B | 31215225 | 53 | B | Moveme nt of both water and food is bidirecti onal |
| 4 | A | NO₃ and Cl | 54 | D | Chenab |
| 5 | C | 1000 | 55 | D | Water and salts |
| 6 | A | TNPEPFR | 56 | D | Pepsin |

| Quest ion No. | Corr ect Opti on | Answer | Quest ion No. | Corr ect Opti on | Answ er |
|------------------------------|-------------------------------------|------------------------------------------------------|------------------------------|-------------------------------------|-------------------------------------------------------|
| 7 | C | NOR: PRW | 57 | B | Only conclusi on I follows |
| 8 | C | 12% | 58 | B | 288π cm 3 |
| 9 | D | Nichrome | 59 | B | ग्राम निगम (Gram Nigam) |
| 10 | C | BCAD | 60 | B | 5 |
| 11 | C | Electric iron | 61 | B | 6 |
| 12 | D | Both conclusion s I and II follow | 62 | B | Shalaka |
| 13 | B | 10.03 | 63 | C | 20 minutes |
| 14 | D | 2.5 A | 64 | D | 1/3 |
| 15 | C | 102 | 65 | B | $r_1=r_2=r_3$ $=r_4$ |
| 16 | D | 473 | 66 | B | Odisha |

| Quest ion No. | Corr ect Opti on | Answer | Quest ion No. | Corr ect Opti on | Answ er |
|------------------------------|-------------------------------------|----------------------------------------------|------------------------------|-------------------------------------|--------------------|
| 17 | A | Both statements are correct. | 67 | A | 6 |
| 18 | B | Tamil Nadu | 68 | C | 154 |
| 19 | C | 6 or -7 | 69 | A | 828 |
| 20 | C | South | 70 | C | 9R |
| 21 | B | ₹2500 | 71 | B | 1950 |
| 22 | C | Each gamete has two copies of the same gene. | 72 | D | Article 75 (3) |
| 23 | A | Neither conclusion I nor II is true | 73 | B | x and - |
| 24 | D | Untreated sewage dumped in it | 74 | A | केरल (Kerala) |
| 25 | D | Eggs are not | 75 | C | 8/7 |

| Quest ion No. | Corr ect Opti on | Answer | Quest ion No. | Corr ect Opti on | Answ er |
|------------------------------|-------------------------------------|-----------------------------------------------------------------------------------------|------------------------------|-------------------------------------|--------------------------------------------|
| | | released and no fertilisation | | | |
| 26 | B | Tuesday | 76 | D | 3 |
| 27 | D | 108 | 77 | C | between F and 2F |
| 28 | D | 45 years | 78 | B | refractio n of light |
| 29 | C | Pradhan Mantri Garib Kalyan Anna Yojana | 79 | D | 15th |
| 30 | C | 40 | 80 | D | 3 |
| 31 | C | Sum of any pair of adjacent angles of a rhombus is not 180°. | 81 | D | self- employe d workers |
| 32 | D | washing soda | 82 | A | 6/5 |

| Quest ion No. | Corr ect Opti on | Answer | Quest ion No. | Corr ect Opti on | Answ er |
|------------------------------|-------------------------------------|----------------------------------------------------------------|------------------------------|-------------------------------------|--------------------------------|
| 33 | A | $x = 6$ | 83 | A | the Govern ment |
| 34 | D | electromag netic induction | 84 | B | Regulati ng Act of 1773 |
| 35 | D | 39 | 85 | A | 57.14% |
| 36 | B | Bengali | 86 | B | ₹2,530 |
| 37 | A | (8, 2, 20) | 87 | C | ₹360 |
| 38 | B | NABKGNI | 88 | C | Two |
| 39 | C | 70.3% | 89 | C | 5 |
| 40 | B | only solvent molecules but not solute molecules | 90 | D | Alkene |
| 41 | C | 4 | 91 | C | Himalay an mountai ns |
| 42 | D | precipitate | 92 | B | 1975 |

| Quest ion No. | Corr ect Opti on | Answer | Quest ion No. | Corr ect Opti on | Answ er |
|------------------------------|-------------------------------------|------------------------------------------------------------------------|------------------------------|-------------------------------------|-----------------------------------------------|
| 43 | A | केवल धारणा II निहित है (Only assumption II is implicit) | 93 | B | Both stateme nts are in correc t. |
| 44 | D | Both the statements are true | 94 | A | P |
| 45 | B | 46 years | 95 | A | NaOH |
| 46 | C | 4320° | 96 | C | 45 m, West |
| 47 | B | Three | 97 | C | 90 cm ² |
| 48 | B | 67 | 98 | B | Dr. Jitendra Singh |
| 49 | B | (3, 192, 8) | 99 | C | Only conclusi on I is true |
| 50 | B | Tsunami | 100 | A | 48 |