

Q1. Select the INCORRECT option with reference to the Chipko Andolan.

(A) People realised that forests are needed to maintain the quality of soil.

(B) It forced the government to rethink their priorities in the use of forest produce.

(C) It was a violent movement to save the trees.

(D) It involved the community in forest conservation efforts.

Q2. In this question, a group of numbers/symbols is coded using letters as per the table and conditions which follow. Find the correct code for 7%3@6. Conditions:

(i) If the first element is an even number and the last is a number, their codes are to be interchanged.

(ii) If the first element is an odd number and the last is an even number, the first and last elements are to be retained as they are (won't get coded).

(A) 7YNJF6

(B) BLNJFR

(C) 7LNJF6

(D) BLN3FR

Q3. From point X, a person walks 45 m towards the east. He then takes a left turn and walks 40 m. He then takes a right turn and walks 90 m. He then takes a right turn and walks 60 m. Finally, he takes a right turn and walks 135 m to reach point Y. How far and in which direction is point X from point Y?

(A) 15 m, South

(B) 20 m, North

(C) 15 m, North

(D) 20 m, South

Q4. A group of people contains men, women and children. If 40% of them are men, 35% are women and the rest are children, and their average weights are 70 kg, 60 kg and 30 kg, respectively, the average weight of the group is:

(A) 45.5 gm

(B) 56.5 gm

(C) 56.5 kg

(D) 45.5 kg

Q5. Which of the following is the storage carbohydrate in plants?

(A) Glycogen

(B) Sucrose

(C) Glucose

(D) Starch

Q6. Which of the following is NOT a unit of heat energy?

(A) Kilowatt

(B) Watt second

(C) Calorie

(D) Joule

Q7. India is the third largest country in South Asia, with _____ of Earth's land area.

- (A) 6.5%**
- (B) 4.3%**
- (C) 5.7%**
- (D) 2.3%**

Q8. Seven boxes, A, B C, D, E, F and G, are kept one over the other. Only two boxes are kept between G and B. B is kept at the bottom. C is kept on one of the positions above D. F is kept immediately above D. A is kept fifth from the bottom. E is kept at the top. How many boxes are kept between D and A?

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

Q9. Which of the following has the largest atomic radius?

- (A) Iodine**
- (B) Fluorine**
- (C) Chlorine**
- (D) Oxygen**

Q10. Article 243E of the Indian Constitution is related to which feature of Panchayat?

- (A) Constitution of Panchayats**

(B) Composition of Panchayats

(C) Reservation of seat

(D) Duration of Panchayat

Q11. The current through a horizontal straight wire flows from west to east. The direction of the magnetic field lines as viewed from the east end will be _____.

(A) anticlockwise in a plane perpendicular to the wire

(B) anticlockwise in the plane of the wire

(C) clockwise in a plane perpendicular to the wire

(D) clockwise in the plane of the wire

Q12. Which of the following rules is used to determine the force on a current-carrying conductor kept inside a magnetic field?

(A) Right hand thumb rule

(B) Maxwell's corkscrew rule

(C) Fleming's right-hand rule

(D) Fleming's left-hand rule

Q13. A shadow of a tower standing on level ground is found to be $40\sqrt{3}$ meters longer when the Sun's altitude is 30° than when it is 60° . The height of the tower is:

(A) 70 m

(B) 60 m

(C) 40 m

(D) 50 m

Q14. The numbers in different sections indicate the number of people who like different flavours of ice cream. How many people like Mint but NOT Kesar flavoured ice cream?

- (A) 41**
- (B) 51**
- (C) 21**
- (D) 33**

Q15. A sum, when invested at 12% simple interest per annum, amounts to ₹8,250 after 2 years. What is the simple interest?

- (A) ₹1,910**
- (B) ₹1,650**
- (C) ₹1,700**
- (D) ₹1,820**

Q16. How will the plant be affected if the rate of respiration becomes more than the rate of photosynthesis?

- (A) More food will be oxidised than produced, and the plant will starve and die.**
- (B) Plants will store a lot of food.**
- (C) Plant growth will slow down.**
- (D) Plant growth will increase due to more energy produced.**

Q17. The _____ DOES NOT function as an excretory organ in humans.

- (A) lungs**

- (B) skin**
- (C) small intestine**
- (D) large intestine**

Q18. The property/properties that must be possessed by a material to be chosen for making the heating element of heating devices is/are:

- (i) high melting point**
- (ii) high resistivity**
- (iii) low resistance**

- (A) Only (i) and (iii)**
- (B) Only (i) and (ii)**
- (C) Only (ii) and (iii)**
- (D) (i), (ii), (iii)**

Q19. As of July 2022, PM-VIKAS is aligned to the 15th Finance Commission cycle period up to _____.

- (A) 2025-26**
- (B) 2021-23**
- (C) 2022-23**
- (D) 2024-27**

Q20. A statement is given followed by two assumptions. Decide which assumption is implicit. Statement: Due to the failure of the main grid, power supply to many parts of the city was affected. Assumptions:

- I. The main grid is responsible for transmission of power.**
- II. Most people have backup power installations at their homes.**

- (A) Only assumption II is implicit
- (B) Only assumption I is implicit
- (C) Both assumptions are implicit
- (D) Neither assumption is implicit

Q21. The magnification produced by a spherical mirror is -0.5. The image formed by the mirror is:

- (A) virtual, erect and enlarged
- (B) real, inverted and diminished
- (C) real, inverted and enlarged
- (D) virtual, erect and diminished

Q22. Simplify: $6(x^3 - 2x^2 + 3x) - (x^3 + 2x - 3)$.

- (A) $5x^3 - 12x^2 + 16x - 3$
- (B) $5x^3 - 12x^2 + 16x + 3$
- (C) $5x^3 + 12x^2 + 16x - 3$
- (D) $5x^3 + 12x^2 + 16x + 3$

Q23. The sum of two numbers is 32 and one of them exceeds the other by 18. Find the greater number.

- (A) 27
- (B) 25
- (C) 28
- (D) 24

Q24. If 40:35::35:x, find the value of x.

- (A) 245/8
- (B) 49/16
- (C) 49/14
- (D) 49/8

Q25. Simplify $8^2 \times 3^2 / (\sqrt{64} \times \sqrt{81})$.

- (A) 72
- (B) 27
- (C) 24
- (D) 64

Q26. Raju and Raman can complete a piece of work in 12 days and 16 days, respectively. If they work on alternate days, starting with Raju, in how many days will the work be completed?

- (A) 13 $\frac{2}{3}$ days
- (B) 13 $\frac{1}{3}$ days
- (C) 14 $\frac{1}{3}$ days
- (D) 14 $\frac{2}{3}$ days

Q27. Select the option that is related to the fifth letter-cluster in the same way as the second is related to the first and the fourth is related to the third.

PORTUGAL : UTRPOLGA :: URANUS : UUSRNA :: AMRITSAR : ?

- (A) AATRRSMI
- (B) TRRSMIAA

(C) TSRRMIAA

(D) TSMIRRAA

Q28. Six friends, K, L, M, N, O and P, are sitting around a circular table facing the centre. O is second to the left of N. P is second to the right of K. M is to the immediate right of L. N and L are immediate neighbours. Who is sitting to the immediate right of P?

(A) N

(B) K

(C) M

(D) L

Q29. Who has developed the Tamanna tool related to education in India?

(A) All India Council for Technical Education

(B) University Grants Commission

(C) Indian Certificate of Secondary Education

(D) Central Board of Secondary Education (CBSE) and National Council of Educational Research and Training (NCERT)

Q30. The sum of the present ages of a father and his daughter is 80 years. Eight years ago, the father's age was seven times the age of his daughter. Eight years from now, what will be the daughter's age?

(A) 18 years

(B) 20 years

(C) 22 years

(D) 24 years

Q31. Some plants can also produce new plants from their roots. An example of such a plant is _____.

- (A) Cactus**
- (B) Ginger**
- (C) Sweet Potato**
- (D) Bryophyllum**

Q32. When was Bandhan Bank formed?

- (A) 2011**
- (B) 2013**
- (C) 2017**
- (D) 2015**

Q33. The 36th National Games of India will take place in _____ cities of Gujarat between 27 September and 10 October 2022.

- (A) six**
- (B) four**
- (C) eight**
- (D) five**

Q34. If '+' means '÷', '-' means '+', '÷' means '×', and '×' means '-', what will come in place of the question mark (?) in the following equation?

$$15 - 3 \div 14 + 2 \times 12 \div 2 = ?$$

- (A) 24**

(B) 21

(C) 22

(D) 19

Q35. In which of the following years was the first Republic Day of India celebrated?

(A) 1948

(B) 1950

(C) 1949

(D) 1947

Q36. The difference between the selling price on a discount of 32% and two successive discounts of 20% each on a certain bill is ₹25. Find the actual amount of the bill.

(A) ₹425

(B) ₹576

(C) ₹200

(D) ₹625

Q37. A car can cover 275 km in 5 hours. If its speed is reduced by 5 km/h, then how much time will the car take to cover a distance of 250 km?

(A) 5 hr

(B) 5 hr 30 min

(C) 6 hr

(D) 4 hr 30 min

Q38. Which Article of the Constitution of India deals with duties of the Prime Minister as respects the furnishing of information to the President, etc.?

- (A) Article 69**
- (B) Article 78**
- (C) Article 62**
- (D) Article 73**

Q39. In a certain code language, 'SIGMA' is written as 'FVTZN' and 'FNYRQ' is written as 'SALED'. How will 'ARJUN' be written in that language?

- (A) NEWHA**
- (B) EWNAH**
- (C) BPWAH**
- (D) WENAH**

Q40. In a queue of travellers at the emigration counter facing north, Pankaj is 9th from the extreme left end and Puja is 17th from the extreme right end. If the positions of Pankaj and Puja are interchanged, then the new position of Pankaj will be 15th from the extreme left end. Find the number of travellers between Puja and Pankaj.

- (A) 6**
- (B) 4**
- (C) 5**
- (D) 3**

Q41. Five friends A, B, C, D and E are sitting in a straight row, facing north. A is not at the exact centre position of the row. C is second from one extreme end, while fourth from the other extreme end. B and D sit at the extreme ends of the row. Who sits at the exact centre position of the row?

- (A) D
- (B) A
- (C) C
- (D) E

Q42. Which of the following chemical reactions represents the chlor-alkali process?

- (A) $\text{Ca(OH)}_2 + \text{Cl}_2 \rightarrow \text{CaOCl}_2 + \text{H}_2\text{O}$
- (B) $\text{NaHCO}_3 + \text{H}^+ \rightarrow \text{CO}_2 + \text{H}_2\text{O} + \text{Sodium salt of acid}$
- (C) $\text{NaCl} + \text{H}_2\text{O} + \text{CO}_2 + \text{NH}_3 \rightarrow \text{NH}_4\text{Cl} + \text{NaHCO}_3$
- (D) $2 \text{NaCl(aq)} + 2 \text{H}_2\text{O(l)} \rightarrow 2 \text{NaOH(aq)} + \text{Cl}_2\text{(g)} + \text{H}_2\text{(g)}$

Q43. A statement is given, followed by four conclusions. Find out which conclusion is true based on the given statement. Statement: $J \geq H < G \leq R = Z < E > D$

- (A) $D > R$
- (B) $J \leq G$
- (C) $H > R$
- (D) $Z < D$

Q44. Study the given number series and answer the question that follows.

2 6 7 4 9 3 6 5 1 9 5 2 4 5 9 4 2 3 7 1

How many even numbers are immediately preceded by an odd number and immediately followed by a prime number?

(A) 2

(B) 3

(C) 4

(D) 1

Q45. Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(80, 16, 20)

(144, 36, 24)

(A) (189, 49, 27)

(B) (224, 36, 40)

(C) (512, 25, 16)

(D) (122, 12, 6)

Q46. The current across the 3 ohm resistance in the given circuit is:

(A) $5/7$ A

(B) $3/5$ A

(C) $5/3$ A

(D) $7/5$ A

Q47. What is the nature of the roots of the quadratic equation $x^2 - 5x + 7 = 0$?

- (A) Real, rational, equal**
- (B) Not real**
- (C) Real, irrational, unequal**
- (D) Real, rational, unequal**

Q48. Which two banks merged with Punjab National Bank in 2020?

- (A) Syndicate Bank and Allahabad Bank**
- (B) Dena Bank and Vijaya Bank**
- (C) Oriental Bank of Commerce and United Bank of India**
- (D) Andhra Bank and Corporation Bank**

Q49. Which of the following line(s) act as a normal to a spherical mirror?

- (i) Line joining the pole and centre of curvature**
 - (ii) Line joining the centre of curvature and point of incidence**
 - (iii) Line joining focus and point of incidence**
- (A) Both (i) and (ii)**
 - (B) Both (i) and (iii)**
 - (C) (i), (ii) and (iii)**
 - (D) Both (ii) and (iii)**

Q50. The Scheme of Assistance to National Sports Federations (NSFs) has been extended to train and field national teams for national and international competitions between:

- (A) 2022 and 2026
- (B) 2021 and 2025
- (C) 2022 and 2024
- (D) 2022 and 2025

Q51. The bends formed in the river when river water erodes its banks on the outside of the channel are known as:

- (A) Braided channels
- (B) Distributaries
- (C) Tributaries
- (D) Meanders

Q52. Three statements are given, followed by two conclusions. Assuming the statements to be true, decide which of the conclusions logically follow(s). Statements:

All jokers are circuses.

All circuses are equestrians.

Some jokers are spectacles. Conclusions:

I. Some equestrians are spectacles.

II. Some circuses are jokers.

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

Q53. Each vowel in the word 'EXPLAIN' 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 third from the right end?

- (A) O**
- (B) M**
- (C) J**
- (D) K**

Q54. Which of the following numbers will replace the question mark (?) in the given number series?

4, 5, 12, 39, 160, ?

- (A) 805**
- (B) 800**
- (C) 850**
- (D) 804**

Q55. Which of the following famous churches of India is INCORRECTLY matched with its location?

- (A) St. Paul Cathedral - Kolkata**
- (B) Basilica of Bom Jesus - Goa**
- (C) St. John in the Wilderness Church - Pondicherry**
- (D) Santa Cruz Basilica - Kochi**

Q56. Ramakrishna Mission was founded in 1897 by _____.

- (A) Swami Vivekananda**

- (B) Raja Ram Mohan Roy**
- (C) Ramkrishna Paramhansa**
- (D) Dayanand Saraswati**

Q57. _____ aid(s) in the emulsification of fat.

- (A) Vit-K Trypsin**
- (B) Bile salts**
- (C) HCl**
- (D) Pepsin**

Q58. Some effects of large production of biodegradable waste are mentioned below. Choose the INCORRECT statement.

- (A) Gives out foul smell**
- (B) Amount of waste sent to landfills increases**
- (C) Acts as a breeding ground for mosquitoes and spreads diseases**
- (D) Replenishment of soil nutrients**

Q59. Carbon is able to form stable compounds because of:

- (A) its smaller atomic size**
- (B) its allotropic forms**
- (C) its ability to form a covalent bond**
- (D) the presence of p-orbital**

Q60. If '+' means 'x', '-' means '÷', '÷' means '+', and 'x' means '-', what will come in place of the question mark (?) in the following equation?

13 - 17 + 24 ÷ 54 × 18 + 28 × 14 = ?

(A) 380

(B) 225

(C) 510

(D) 415

Q61. Which of the following pairs is NOT coprime?

(A) (11, 13)

(B) (15, 17)

(C) (17, 23)

(D) (17, 34)

Q62. Which languages are to be used for all or any of the official purposes of the State of Tripura as per the Tripura Official Languages Act, 1964?

(A) Bengali and Kokborok

(B) Telugu and Lepcha

(C) Konkani and English

(D) Hindi and Bengali

Q63. The total surface area of a cylinder of diameter 10 cm is 330 square centimeters. Find the height of the cylinder.

(A) 10.5 cm

(B) 2.5 cm

(C) 5.5 cm

(D) 6.5 cm

Q64. Which of the following numbers will replace the question mark (?) in the given series?

17, 30, 44, 59, 75, ?

(A) 92

(B) 111

(C) 102

(D) 85

Q65. Select the option that is related to the fifth number in the same way as the second number is related to the first number and the fourth number is related to the third number.

64:81 :: 121:144 :: 169:?

(A) 225

(B) 216

(C) 196

(D) 200

Q66. In which of the following years was a joint venture signed between the Government of India and Suzuki Motor Corporation, to launch the Maruti 800 car for the first time in India?

(A) 1982

(B) 1986

(C) 1978

(D) 1998

Q67. The Constitution of India has _____ parts and _____ schedules.

(A) 12; 25

(B) 22; 10

(C) 10; 22

(D) 25; 12

Q68. Which of the following is an independent financial institution established in 1990 under an Act of the Indian Parliament, with the objective of assisting in the growth and development of the Micro, Small and Medium Enterprises (MSMEs) sector?

(A) NBFC

(B) SIDBI

(C) MSS

(D) FSDC

Q69. Planets do not twinkle because _____.

(A) they scatter more light

(B) they scatter less light

(C) they act as an extended source of light

(D) they act as a point source of light

Q70. Find the roots of the equation $6p^2 - 5p - 6 = 0$.

(A) $-3/2$ and $4/3$

(B) $1/2$ and $-4/3$

(C) $-\frac{2}{3}$ and $\frac{3}{2}$

(D) $-\frac{1}{3}$ and $\frac{4}{3}$

Q71. A magnesium ribbon burns with a dazzling flame in air (oxygen) and changes into a white substance 'X'. The X is _____.

(A) MgCO_3

(B) MgO

(C) Mg(OH)_2

(D) Mg

Q72. Find the number of sides in a regular polygon if its each interior angle is 160° .

(A) 17

(B) 14

(C) 15

(D) 18

Q73. A shopkeeper sells an item at a profit of 25% and dishonestly uses a weight that is 30% less than the actual weight. Find his total profit.

(A) 78.57%

(B) 78.57%

(C) 23%

(D) 42%

Q74. Compounds C_2H_6 and C_3H_8 differ by a _____ unit and belong to the _____ series.

- (A) CH_3 , homologous**
- (B) CH_2 , heterogeneous**
- (C) CH_3 , heterogeneous**
- (D) CH_2 , homologous**

Q75. Mohit's salary is ₹15,000 per month. He spends ₹5,000 on house rent, ₹2,000 on bills and the rest is his monthly savings. Find his savings in a year, if in the month of his birthday he spent his complete monthly saving for the celebration.

- (A) ₹88,000**
- (B) ₹8,000**
- (C) ₹17,000**
- (D) ₹96,000**

Q76. 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.

B _ X T _ H Y _ M B _ Z M _

- (A) MHBHTT**
- (B) TMHBHT**
- (C) HMBTHT**
- (D) BMHHTT**

Q77. Umesh is standing facing the south-west direction. He then takes a 90° clockwise turn. After that, he takes a 135° clockwise turn. He

finally takes a 90° anticlockwise turn. In which direction is he facing now?

- (A) West**
- (B) North**
- (C) North-east**
- (D) North-west**

Q78. If $d^2 + 1/d^2 = 18$ and $d > 1/d$, then the value of $d^3 - 1/d^3$ is:

- (A) 91**
- (B) 64**
- (C) 76**
- (D) 81**

Q79. Some features of genes are mentioned below. Which option states the INCORRECT feature of genes?

- (A) They do not undergo any change.**
- (B) They control traits by producing proteins.**
- (C) Each germ cell has one gene set.**
- (D) They are segments of DNA.**

Q80. Simplify: $1/15 + 3/7 + (-4/5) + (-6/35)$

- (A) 8/77**
- (B) 8/56**
- (C) 7/77**
- (D) 7/56**

Q81. Find the value of $325 \times 5 + 31 \times 21 - 22 \times (63 - 52)$.

(A) 2044

(B) 2024

(C) 2034

(D) 2014

Q82. This question is based on the following 3-digit numbers.

543 769 552 342 245

If in each of the numbers, 1 is added to the first digit, in how many numbers will the first digit be exactly divisible by the third digit of the same number?

(A) Four

(B) Two

(C) Five

(D) Three

Q83. The bar graph given below shows the data on the production of milk products (in thousand tonnes) by three branches, X, Y and Z, of a dairy product company over the years. For which branch(es) was the average production for the given 4 years the minimum?

(A) Branches Y and Z

(B) Branch Y

(C) Branch X

(D) Branch Z

Q84. If '÷' means '+', '-' means '×', '+' means '÷', and '×' means '-', what will come in place of the question mark (?) in the following equation?

$$9 \times 8 - 4 + 8 \div 5 + 2 = ?$$

(A) 18

(B) 35

(C) 23

(D) 20

Q85. Find the median class of:

CI: 0-50, 50-100, 100-150, 150-200

F: 12, 15, 13, 10

(A) 50-100

(B) 150-200

(C) 0-50

(D) 100-150

Q86. Which state has become India's first state to launch an AVGC (Animation, Visual Effects, Gaming, and Comics) Centre of Excellence?

(A) Karnataka

(B) Kerala

(C) Haryana

(D) Jharkhand

Q87. Based on the given statement, four conclusions are drawn. Find out which conclusion is true. Statement: $Y < O \leq G \leq K = U > L > P$

- (A) $Y > L$
- (B) $O = P$
- (C) $G = Y$
- (D) $K > P$

Q88. Consider the below statements and identify the correct answer. Statement I: Metallic character decreases across a period as we move from left to right. Statement II: The effective nuclear charge acting on the valence shell electrons increases across a period, so the tendency to lose electrons will decrease.

- (A) Both statements are correct. Statement II is the correct explanation of Statement I.
- (B) Both statements are correct. Statement I is the correct explanation of Statement II.
- (C) Only Statement II is correct.
- (D) Only Statement I is correct.

Q89. Where was the first Biosafety Level-3 (BSL-3) Containment Mobile Laboratory inaugurated in February 2022 to strengthen the healthcare infrastructure of South Asia?

- (A) Nashik
- (B) Nagpur
- (C) Pune
- (D) Mumbai

Q90. Study the given diagram carefully and answer the following question. The numbers in different sections indicate the number of persons who have suffered from different diseases. How many people

have suffered from both Allergy and Chickenpox but NOT the Common cold?

(A) 17

(B) 32

(C) 45

(D) 25

Q91. Match the following: Substance

i. Lemon juice

ii. Gastric juice

iii. Milk of magnesia

iv. Sodium hydroxide solution

pH

a. 14

b. 1.2

c. 2.2

d. 10

(A) i-a, ii-b, iii-c, iv-d

(B) i-c, ii-b, iii-d, iv-a

(C) i-c, ii-b, iii-a, iv-d

(D) i-d, ii-b, iii-c, iv-a

Q92. The parallel sides of a trapezium and its height are in an arithmetic progression with a common difference of 4. If the height is the highest term and the area of the trapezium is 160 sq. units, find

the ratio of the length of the greatest parallel side to that of the smallest parallel side.

(A) 5:1

(B) 2:3

(C) 1:5

(D) 3:2

Q93. The Dam Rehabilitation and Improvement Project was started in which year?

(A) 2021

(B) 2002

(C) 2009

(D) 2012

Q94. If 1 January 2011 was a Saturday, then what day of the week was 31 December 2011?

(A) Saturday

(B) Sunday

(C) Friday

(D) Monday

Q95. The bar graph shows the population of two states, A and B, (in lakhs) over the years. What is the approximate average population of state B for all the given years?

(A) 62 lakhs

(B) 65 lakhs

(C) 70 lakhs

(D) 58 lakhs

Q96. What happens when sodium metal reacts with water?

(A) Hydrogen gas and sodium hydroxide solution are produced.

(B) Chlorine gas and sodium hydroxide solution are produced.

(C) No reaction takes place.

(D) Only sodium hydroxide solution is produced.

Q97. The HCF of 108 and 144 is _____.

(A) 36

(B) 16

(C) 24

(D) 12

Q98. The focal length of a diverging lens is 50 cm. The power of the lens is:

(A) 2 D

(B) -2 D

(C) -5 D

(D) 5 D

Q99. All 72 students of a class are standing in a row facing north. Shalabh is standing at the extreme left end of the row. Only 8 students are standing between Shalabh and Kimaya. Virali is 26th from the

extreme right end of the row. How many students are standing between Virali and Kimaya?

- (A) 37**
- (B) 36**
- (C) 38**
- (D) 35**

Q100. How many spherical solid marbles, each having a radius of 0.3 cm, can be made from a solid sphere having a radius of 6 cm?

- (A) 9000**
- (B) 7500**
- (C) 8000**
- (D) 8500**

(Answer Key)

Question No.	Correct Option	Answer
1	C	(C) It was a violent movement to save the trees.
2	C	(C) 7LNJF6
3	B	(B) 20 m, North
4	C	(C) 56.5 kg

Question No.	Correct Option	Answer
5	D	(D) Starch
6	A	(A) Kilowatt
7	D	(D) 2.3%
8	A	(A) Two
9	A	(A) Iodine
10	D	(D) Duration of Panchayat
11	C	(C) clockwise in a plane perpendicular to the wire
12	D	(D) Fleming's left-hand rule
13	B	(B) 60 m
14	A	(A) 41
15	B	(B) ₹1,650
16	A	(A) More food will be oxidised than produced, and the plant will starve and die.
17	D	(D) large intestine
18	B	(B) Only (i) and (ii)
19	A	(A) 2025-26
20	B	(B) Only assumption I is implicit

Question No.	Correct Option	Answer
21	B	(B) real, inverted and diminished
22	B	(B) $5x^3-12x^2+16x+3$
23	B	(B) 25
24	A	(A) $245/8$
25	C	(C) 24
26	B	(B) 13 $\frac{1}{3}$ days
27	C	(C) TSRRMIAA
28	A	(A) N
29	D	(D) Central Board of Secondary Education (CBSE) and National Council of Educational Research and Training (NCERT)
30	D	(D) 24 years
31	C	(C) Sweet Potato
32	D	(D) 2015
33	A	(A) six
34	C	(C) 22
35	B	(B) 1950
36	D	(D) ₹625

Question No.	Correct Option	Answer
37	A	(A) 5 hours
38	B	(B) Article 78
39	A	(A) NEWHA
40	C	(C) 5
41	D	(D) E
42	D	(D) $2\text{NaCl}(\text{aq}) + 2\text{H}_2\text{O}(\text{l}) \rightarrow 2\text{NaOH}(\text{aq}) + \text{Cl}_2(\text{g}) + \text{H}_2(\text{g})$
43	B	(B) $J \leq G$
44	A	(A) 2
45	A	(A) (189, 49, 27)
46	C	(C) $\frac{5}{3} A$
47	B	(B) Not real
48	C	(C) Oriental Bank of Commerce and United Bank of India
49	A	(A) Both (i) and (ii)
50	A	(A) 2022 and 2026
51	D	(D) Meanders
52	A	(A) Both conclusions I and II follow

Question No.	Correct Option	Answer
53	C	(C) J
54	A	(A) 805
55	C	(C) St. John in the Wilderness Church - Pondicherry
56	A	(A) Swami Vivekananda
57	B	(B) Bile salts
58	B	(B) Amount of waste sent to landfills increases
59	A	(A) its smaller atomic size
60	D	(D) 415
61	D	(D) (17, 34)
62	A	(A) Bengali and Kokborok
63	C	(C) 5.5 cm
64	A	(A) 92
65	C	(C) 196
66	A	(A) 1982
67	D	(D) 25; 12
68	B	(B) SIDBI

Question No.	Correct Option	Answer
69	C	(C) they act as an extended source of light
70	C	(C) $-2/3$ and $3/2$
71	B	(B) MgO
72	D	(D) 18
73	B	(B) 78.57%
74	D	(D) CH ₂ , homologous
75	A	(A) ₹88,000
76	C	(C) HMBTHT
77	B	(B) North
78	C	(C) 76
79	A	(A) They do not undergo any change.
80	D	(D) 7/56
81	C	(C) 2034
82	D	(D) Three
83	B	(B) Branch Y
84	D	(D) 20
85	A	(A) 50-100

Question No.	Correct Option	Answer
86	A	(A) Karnataka
87	D	(D) $K > P$
88	A	(A) Both statements are correct. Statement II is the correct explanation of Statement I.
89	A	(A) Nashik
90	A	(A) 17
91	B	(B) i-c, ii-b, iii-d, iv-a
92	D	(D) 3:2
93	D	(D) 2012
94	A	(A) Saturday
95	D	(D) 58 lakhs
96	A	(A) Hydrogen gas and sodium hydroxide solution are produced.
97	A	(A) 36
98	B	(B) -2 D
99	B	(B) 36
100	C	(C) 8000