RRB JE CBT-1 Exam Day Based Paper (27 Oct 2026)

Q1. The compound interest earned in 1 year on ₹2,50,000 at the rate of 40% per annum, compounded quarterly, is:
(a) ₹1,16,025
(b) ₹1,15,931
(c) ₹1,16,033
(d) ₹1,16,416
Ans.(a)

Q2. The population of a town increased by 10% and 20% in two successive years, but decreased by 25% in the third year. Find the ratio of the population in the third year and the population 3 years back.
(a) 1 :1
(b) 99 : 100
(c) 100 : 99
(d) 2 : 1
Ans.(b)

Q3. Two uniform wires made of the same material, having the same length, and maintained at the same temperature are compared. Which factor will cause one wire to have greater electrical resistance than the other?
(a) Higher cross-sectional area
(b) Larger electric current
(c) Smaller cross-sectional area
(d) Higher voltage
Ans.(c)

Q4. Which of the following elements in the periodic table is NOT classified as a metal?
(a) Sodium
(b) Potassium
(c) Sulfur
(d) Calcium
Ans.(c)

Q5. Directions: Pick the correct options from the given alternatives
20 :39 :: 25 : ?
(a) 50
(b) 59
(c) 49
(d) 69
Ans.(c)

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Q6. Right to free and compulsory education for children aged 6–14 years is provided under which Article?
(a) Article 51A(k)
(b) Article 45
(c) Article 21A
(d) Article 19
Ans.(c)

Q7. In the context of the 1991 economic reforms in India, what was the underlying rationale for promoting privatization, and why was it considered a shift in the philosophy of state intervention in the economy?
(a) To achieve complete withdrawal of the state from all productive sectors and allow only foreign companies to invest
(b) To raise immediate fiscal revenue by auctioning public assets without concern for efficiency
(c) To reduce the fiscal burden, improve efficiency of public enterprises, and redefine the role of the state from owner to facilitator
(d) To abolish the public sector and replace it with state monopolies in defense and heavy industries
Ans.(c)

Q8. Which of the following types of connective tissue is present in the larynx of a human body?
(a) Areolar
(b) Adipose
(c) Ligament
(d) Cartilage
Ans.(d)

Q9. What should come in place of '?' in the given series?
91 90 86 77 61 ?
(a) 36
(b) 41
(c) 40
(d) 39
Ans.(a)

Q10. Which of the following reactions is an example of a double displacement reaction?
(a) $CaCO_3 \rightarrow CaO + CO_2$
(b) $2Mg + O_2 \rightarrow 2MgO$
(c) $AgNO_3 + NaCl \rightarrow AgCl + NaNO_3$
(d) $Zn + H_2SO_4 \rightarrow ZnSO_4 + H_2$
Ans.(c)

Q11. If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 6247518, what will be the sum of the digits that are second from the left and second from the right in the new number thus formed?
(a) 2
(b) 4
(c) 8
(d) 6
Ans.(a)

Q12. The number of _____ is equal to the difference between the mass number of the atom and the atomic number.
(a) Both protons and electrons
(b) Neutrons
(c) Electrons
(d) Protons
Ans.(b)

Q13. When the cost of an article was decreased by 7%, the number of articles sold was increased by 20%. What was the effect (in percentage) on the revenue?
(a) increase of 10.4%
(b) decrease of 10.6%
(c) decrease of 9.6%
(d) increase of 11.6%
Ans.(d)

Q14. A car runs the first one-third of a distance at a speed of 42 km/hr, the next half of the distance at a speed of 60 km/hr and the remaining distance at a speed of 72 km/hr. Find the approximate average speed (in km/hr) of the car for the whole journey.
(a) 58
(b) 56
(c) 53.8
(d) 48.6
Ans.(c)

Q15. An object is placed on the principal axis of a lens of power 2.0 D, at a distance of 10 cm. The Image formed is_____.
(a) real and erect
(b) virtual and erect
(c) real and inverted
(d) virtual and inverted
Ans.(b)

Q16. Which defect of vision is caused by the eye's lens focusing images in front of the retina, making distant objects appear blurry, and can be corrected using a concave lens?
(a) Hypermetropia
(b) Astigmatism
(c) Myopia
(d) Presbyopia
Ans.(c)

Q17. Find the area of a regular hexagon (in cm^2) with sides of length 6 cm.
(a) 18
(b) 36
(c) $54\sqrt{3}$
(d) $5\sqrt{2}$
Ans.(c)

Q18. 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 D related to J if 'D + F – G x H ÷ J'?
(a) Mother's brother's wife
(b) Mother's brother's daughter
(c) Father's brother's daughter
(d) Father's brother's wife
Ans.(b)

Q19. The 7-digit number 92A224B is divisible by 3. What is the minimum value of (A + B)?
(a) 1
(b) 3
(c) 2
(d) 6
Ans.(c)

Q20. The simple interest on a certain sum for 3 years at 8% per annum is ₹96 more than the simple interest on the same sum for 2 years at 9% per annum. Find the sum.
(a) ₹1,800
(b) ₹1,600
(c) ₹1,500
(d) ₹1,700
Ans.(b)

Q21. What is the relationship between thrust and pressure for a given area?
(a) Thrust = Pressure − Area
(b) Pressure = Thrust + Area
(c) Pressure = Thrust / Area
(d) Thrust = Pressure / Area
Ans.(c)

Q22. Seven people F, G, H, I, V, W, and X are sitting around a circular table facing the centre of the table. G sits third to the left of H. V sits third to the left of I. F sits to the immediate right of I. F sits second to the left of G. X is not an immediate neighbour of V. Who sits fourth to the right of W?
(a) X
(b) G
(c) F
(d) V
Ans.(a)

Q23. Simplify : $\frac{\sqrt[3]{5832}}{\sqrt[4]{1296}} \times \frac{3}{54} \times 168$
(a) 28
(b) 18
(c) 25
(d) 36
Ans.(a)

Q24. Refer to the following letter, number and symbol series and answer the question that follows. Counting to be done from left to right only.
(Left) D 8 € K K 6 * @ F Y 95 L 8 € 72 X Y € 0 & (Right)
If all the letters are dropped from the series, which of the following will be fifth from the left?
(a) 5
(b) @
(c) 9
(d) €
Ans.(b)

Q25. Anshu can complete a work in 16 days and Bijeta can complete the same work in 24 days. They work together for 6 days, after which Anshu leaves the work. In how many days will Bijeta complete the remaining work?
(a) 8
(b) 7
(c) 9
(d) 6
Ans.(c)

Q26. If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 6587134, which of the following digits will be second from the left end in the new number thus formed?
(a) 4
(b) 8
(c) 6
(d) 5
Ans.(c)

Q27. Mr. Norzang starts from Point A and drives 19 km towards South. He then takes a right turn, drives 29 km, turns right and drives 12 km. He then takes a right turn and drives 16 km. He then takes a right turn, drives 8 km, turns left and drives 2 km. He takes a final left turn, drives 15 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)
(a) 7 km to the South
(b) 11 km to the West
(c) 7 km to the North
(d) 11 km to the East
Ans.(d)

Q28. One pipe can fill a tank in 7 minutes while another pipe can empty the completely filled tank in 56 minutes. If both the pipes are opened together when the tank is empty, how many minutes will it take to fill one-fourth of the tank?
(a) 2
(b) 4
(c) 8
(d) 6
Ans.(a)

Q29. Atoms having the same mass number but different atomic numbers are known as-
(a) Isobars
(b) Isotones
(c) Isotopes
(d) Nucleons
Ans.(a)

Q30. What should come in place of '?' in the given series?
44, 50, 62, 80, 104, ?
(a) 132
(b) 136
(c) 138
(d) 134
Ans.(d)

Q31. In a certain code language,
A x B means 'A is the mother of B',
A ≠ B means 'A is the wife of B',
A ÷ B means 'A is the daughter of B' and
A ₹ B means 'A is the father of B'.
Based on the above, how is C related to M if 'C ≠ D ₹ E x L ÷ M'?
(a) Brother's wife
(b) Husband's mother
(c) Wife's mother
(d) Wife's brother's wife
Ans.(c)

Q32. 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) 1/4
(b) 2/3
(c) 1/3
(d) 1/2
Ans.(c)

Q33. Which Indian state is known for the folk dance 'Dekhni'?
(a) Goa
(b) Jharkhand
(c) Haryana
(d) Uttar Pradesh
Ans.(a)

Q34. What happens to insoluble impurities during electrolytic refining?
(a) They deposit on cathode
(b) They dissolve completely
(c) They settle as anode mud
(d) They evaporate
Ans.(c)

Q35. A class has boys and girls in the ratio 3:2. In a test, the average marks of the boys are 70 and those of the girls are 80. Find the average marks of the whole class.
(a) 75
(b) 76
(c) 74
(d) 72
Ans.(c)

Q36. 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) 37
(b) 56
(c) 44
(d) 54
Ans.(b)

Q37. This question is based on the five, three-digit numbers given below.
(Left) 235 879 584 635 159 (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 third digit of the highest number is added to the second digit of lowest number?
(a) 17
(b) 16
(c) 18
(d) 14
Ans.(d)

Q38. In the reaction $ZnO + C \rightarrow Zn + CO$:
(a) ZnO is reduced to Zn
(b) Zn does not undergo redox reaction.
(c) ZnO is oxidized to Zn
(d) carbon is reduced to CO
Ans.(a)

Q39. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.
Statements:
Some pillows are blankets. Some blankets are quilts. Some quilts are curtains.
Conclusions:
(I) Some pillows are quilts.
(II) Some blankets are curtains.
(a) Only conclusion (II) follows
(b) Both conclusions (I) and (II) follow
(c) Neither conclusion (I) nor (II) follows
(d) Only conclusion (I) follows
Ans.(c)

Q40. Which of the following companies assisted the Raja of Cochin in expelling the Portuguese from his kingdom in 1663?
(a) Dutch East India Company
(b) Spanish East India Company
(c) British East India Company
(d) French East India Company
Ans.(a)

Q41. Who is the author of the autobiography A Road Well Travelled released in 2026?
(a) R.T. Chari
(b) R.K. Raghavan
(c) Nandini Azad
(d) Rajiv Gandhi
Ans.(b)

Q42. Which of the following countries hosts the first para Asiad?
(a) South Korea
(b) . China
(c) Japan
(d) India
Ans.(b)

Q43. The ratio of two numbers is 3 : 5. If the first number is 24, what is the second number?
(a) 38
(b) 36
(c) 40
(d) 42
Ans.(c)

Q44. Weight of 5 pens W, X, Y, Z and A is compared. Weight of no two pens is same. Weight of A is less than Z but more than X. Weight of Y is more than W. Weight of Y is second lowest. Weight of which pen is second highest?
(a) X
(b) A
(c) W
(d) Z
Ans.(b)

Q45. Who has the authority to appoint a Sessions Judge of one sessions division as an Additional Sessions Judge of another division?
(a) District Magistrate
(b) High Court
(c) Supreme Court
(d) State Government
Ans.(b)

Q46. Find the square of the product of the median and mean, given that the mode is 3 and is $\frac{3}{2}$ times the mean.
(a) $21\frac{7}{9}$
(b) $18\frac{7}{9}$
(c) $189\frac{7}{9}$
(d) $169\frac{7}{9}$
Ans.(a)

Q47. In which Indian state/UT is the "Three Kings Feast" festival celebrated?
(a) Goa
(b) Ladakh
(c) Nagaland
(d) Assam
Ans.(a)

Q48. Which part of the human brain is responsible for most thinking activities?
(a) Mid-brain
(b) Cerebellum
(c) Hind-brain
(d) Fore-brain
Ans.(d)

Q49. If $x + \frac{1}{17x} = 3$, then the value of $17x^3 + \frac{1}{289x^3}$ is:
(a) 450
(b) 345
(c) 435
(d) 534
Ans.(a)

Q50. Which application uses refraction to focus light at a specific point for clear vision?
(a) A glass prism that splits sunlight
(b) A plane mirror that reflects images
(c) The shadow formed behind an object
(d) The human eye lens that adjusts its shape
Ans.(d)

Q51. A dealer buys two articles X and Y for ₹2,500 each. He marks each of them at the same price. He sells X by giving two successive discounts of 84% and 37% and still earns ₹947 as profit. If he sells Y at a single discount of 86%, then what is the profit percentage on Y?
(a) 91%
(b) 90.5%
(c) 90%
(d) 91.5%
Ans.(d)

Q52. A cyclic compound that contains only single bonds is classified as:
(a) Aliphatic
(b) Aromatic
(c) Saturated
(d) Unsaturated
Ans.(c)

Q53. What should come in place of the question mark (?) in the given series based on the English alphabetical order?
MLJ HGE CBZ XWU ?
(a) SQO
(b) SRP
(c) STV
(d) SSO
Ans.(b)

Q54. The average of the marks obtained by 25 boys and 20 girls in a class is 73. If the girls' average marks are 4.5 more than the boys' average marks, find the total marks scored by all the girls.
(a) 1510
(b) 1450
(c) 1570
(d) 1550
Ans.(a)

Q55. Who won the International Booker Prize 2026 for the book *Taiwan Travelogue*?
(a) Lin King
(b) Natasha Brown
(c) Yáng Shuāng-zǐ
(d) Sophie Hughes
Ans.(c)

Q56. If RIVER is coded as SJWFS, then LAKE is coded as
(a) MBLF
(b) MBLG
(c) MBMF
(d) MBLK
Ans.(a)

Q57. Seven people, C, D, E, N, O, P and Q, are sitting in a straight line, facing north. E sits second to the right of N. Only two people sit between E and P. Only two people sit to the left of N. Only three people sit between N and C. O sits at some place to the right of Q but at some place to the left of D. How many people sit to the right of O ?
(a) Two
(b) Three
(c) One
(d) Four
Ans.(b)

Q58. During electrolytic refining, which substance(s) get(s) collected at the cathode?
(a) The same metal with new bonds
(b) Pure form of the impure metal
(c) Organic matter left from ores
(d) Insoluble impurities and gases
Ans.(b)

Q59. When white light falls on a glass prism, violet colour undergoes maximum bending because:
(a) It has minimum wavelength and minimum refractive index
(b) It has maximum wavelength and maximum refractive index
(c) It has minimum wavelength and maximum refractive index
(d) It has maximum wavelength and minimum refractive index
Ans.(c)

Q60. A, D, F, G, H and S live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6. The product of floors on which S and F live is 20. Only 3 people live between S and A. D lives immediately below G. How many people live below G?
(a) 2
(b) 4
(c) 3
(d) 1
Ans.(a)

Q61. Which of the following rivers originates from the Amarkantak Plateau?
(a) Narmada
(b) Godavari
(c) Mahanadi
(d) Krishna
Ans.(a)

Q62. If '+' means 'subtraction', '−' means 'multiplication', '×' means 'division' and '÷' means 'addition', then what will come in place of the question mark (?) in the following equation?
15 × 5 ÷ 12 − 2 + 11 = ?
(a) 23
(b) 16
(c) 20
(d) 27
Ans.(b)

Q63. In a certain code language:
A + B means 'A is the daughter of B'
A − B means 'A is the brother of B'
A × B means 'A is the wife of B'
A ÷ B means 'A is the father of B'
Based on the above, how is D related to J if 'D − F + G × H ÷ J'?
(a) Father
(b) Son

(c) Husband
(d) Brother
Ans.(d)

Q64. Which of the following was a major cause of conflict between the Vijayanagara Empire and the Bahmani Sultanate, occasionally escalating into full-scale wars?
(a) Dispute over access to the Arabian Sea ports and control of Gujarat trade
(b) Rival claims over the fertile Raichur Doab and tensions over economic practices like the levy on prostitution
(c) Religious proselytization campaigns initiated by Bahmani rulers in Tamil regions
(d) Succession disputes within the Vijayanagara royal family exploited by Bahmani allies
Ans.(b)

Q65. 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.)
(19, 24, 7)
(12, 14, 5)
(a) (7, 5, 3)
(b) (12, 5, 3)
(c) (3, 4, 1)
(d) (12, 5, 4)
Ans.(c)

Q66. The points scored by a basket-ball team in a series of matches are as follows:
17, 2, 7, 27, 25, 5, 14, 18, 10, 24, 10, 8, 7, 10.
The value of mode is:
(a) 17
(b) 10
(c) 4
(d) 7
Ans.(b)

Q67. When a ray of light passes through a triangular glass prism, the emergent ray is generally not parallel to the incident ray. Which of the following best explains this observation?
(a) The light ray passes through the prism uniformly without any change in direction.
(b) The light ray undergoes complete reflection at both faces of the prism.
(c) The two refracting faces of the prism are inclined to each other, causing an overall deviation of the light ray.
(d) The parallel faces of the prism produce equal refractions that cancel each other.

Ans.(c)

Q68. Three numbers are in the ratio 3 : 2 : 11, and their LCM is 3564. Their HCF is:
(a) 88
(b) 54
(c) 67
(d) 38
Ans.(b)

Q69. Seed dispersal is important for plants because it:
(a) prevents pollination
(b) increases the size of seeds
(c) prevents overcrowding and competition
(d) ensures seed death after fertilisation
Ans.(c)

Q70. Magnification produced by a lens is equal to:
(a) v/u
(b) -v/u
(c) u/v
(d) -u/v
Ans.(a)

Q71. What is unique about Kuchipudi performances?
(a) They are performed as solos only
(b) They combine dance, mime, and acting
(c) They have no vocal music
(d) They focus on martial arts
Ans.(b)

Q72. Which hormone protects the blood glucose from going too low?
(a) Insulin
(b) Oxytocin
(c) Vasopressin
(d) Glucagon
Ans.(d)

Q73. Which scenario does NOT correctly represent an action-reaction pair as per Newton's third law?
(a) Feet pushing the ground and the ground pushing back while walking
(b) A book pressing down on a table and gravity pulling the book down
(c) Rocket exhaust gases pushing backward and air pushing the rocket forward
(d) A bat hitting a ball and the ball pushing back on the bat
Ans.(b)

Q74. Which type of cells are used by organisms like Hydra for reproduction in the process of budding?
(a) Stomatal cells
(b) Regenerative cells
(c) Photosynthetic cells
(d) Gametic cells
Ans.(b)

Q75. Simplify: $\frac{\sin^2\theta(1+\cot^2\theta)}{\sec^2\theta-1}$
(a) $\tan^2\theta$
(b) $1-\cot^2\theta$
(c) $\text{cosec}^2\theta$
(d) $\cot^2\theta$
Ans.(d)

Q76. 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) 200
(c) 250
(d) 350
Ans.(d)

Q77. A student places a candle at a distance greater than twice the focal length from a convex lens. She observes the image formed on a screen. Which of the following best describes the image's nature, position, and size?
(a) The image is virtual, inverted, formed at the focal point, and the same size as the object.
(b) The image is real, inverted, formed between the focal point and twice the focal length, and smaller than the object.
(c) The image is real, erect, formed beyond twice the focal length, and equal in size to the object.
(d) The image is virtual, erect, formed on the same side as the object, and larger than the object.
Ans.(b)

Q78. What is the central theme or focus area of the World Happiness Report 2026?
(a) Happiness in the Green Economy
(b) Well-being in the Digital Age
(c) Mental Health and Post-Pandemic Recovery
(d) Social Equality and Happiness
Ans.(b)

Q79. A student adds lead (II) nitrate (Pb(NO3)2) to an unknown solution. A yellow precipitate forms. What could the unknown solution be?
(a) Potassium iodide (KI)
(b) Copper sulphate (CuSO4)
(c) Sodium chloride (NaCl)
(d) Barium sulphate (BaSO4)
Ans.(a)

Q80. Which observation confirms that a reaction is a combination reaction?
(a) Temperature decreases suddenly
(b) Colour of reactants changes
(c) Only one new substance is produced
(d) Gas is evolved during reaction
Ans.(c)

Q81. Which is the first part of a neuron to receive information?
(a) Dendrite
(b) Axon terminal
(c) Cell body
(d) Axon
Ans.(a)

Q82. According to Bohr's model of the atom, which of the following statements regarding the discrete orbits of electrons is NOT correct?
(a) The discrete orbits are also called energy levels.
(b) Electrons radiate energy at an exponential rate while revolving in the discrete orbits.
(c) Electrons do not radiate energy while revolving in the discrete orbits.
(d) The special orbits for electron movement are certain specific orbits located inside the atom.
Ans.(b)

Q83. 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	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) SWRJ
(b) JWRS
(c) JRWS
(d) SRWJ
Ans.(a)

Q84. Two trains of equal length cross a pole in 12 seconds and 18 seconds, respectively. If they move in the same direction, find the time taken by the faster train to come from behind and completely cross the other train.
(a) 75 seconds
(b) 72 seconds
(c) 60 seconds
(d) 66 seconds
Ans.(b)

Q85. 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 is 5 km/h.
(c) Average speed will be less than the arithmetic mean of 5 km/h and 3 km/h.
(d) Average speed equals the arithmetic mean of 5 km/h and 3 km/h.
Ans.(c)

Q86. A tent is in the form a cylinder and is surmounted by a cone; radius and height of the cylindrical portion are 10 m and 25 m respectively. For the conical part, radius is 10 m and slant height is 15 m. Calculate the amount of canvas required to build the tent allowing 20% extra for folding, stitching etc.
(a) 3783.26 m^2
(b) 4714.43 m^2
(c) 3772.14 m^2
(d) 2451.40 m^2
Ans.(d)

Q87. Find the area of the sector of a circle of radius 9 cm, if the corresponding arc length is 6.3 cm.
(a) 27.95 cm^2
(b) 29.15 cm^2
(c) 28.35 cm^2
(d) 30.05 cm^2

Ans.(c)

Q88. If $14 \sin Y + \cos Y = \sqrt{14} \sin Y$, then find the value of tan Y.

(a) $\frac{-14-\sqrt{14}}{182}$

(b) $\frac{-14-\sqrt{14}}{187}$

(c) $\frac{-14-\sqrt{14}}{192}$

(d) $\frac{-15-\sqrt{14}}{187}$

Ans.(a)

Q89. An organism simply splits into two equal halves during cell division. What is it known as?

(a) Binary fission

(b) Spore formation

(c) Regeneration

(d) Budding.

Ans.(a)

Q90. In which city of China were the 2026 Asian Beach Games held in April 2026?

(a) Haikou

(b) Qingdao

(c) Sanya

(d) Shenzhen

Ans.(c)

Q91. Select the correct combination of mathematical signs to replace the signs and to balance the given equation:

24 * 4 * 8 * 6 * 2 * 52

(a) ÷, x , -, +, =

(b) x, ÷, +, -, =

(c) ÷, x, +, -, =

(d) +, -, ÷, x , =

Ans.(c)

Q92. Who gave the term 'homo sapiens'?

(a) Darwin

(b) Miller

(c) Linnaeus

(d) G. J. Mendal

Ans.(c)

Q93. In this question, a group of numbers and symbols is coded using the letter codes given in the table below. After that, it is coded according to the given conditions. You have to select the correct combination of codes according to the conditions. If a condition is not followed, then the codes given in the table will be used for that number/symbol.

Number/Symbol	2	@	9	5	$	&	3	%	#	7	+	4	8	6
Code	A	F	L	J	Z	E	K	Q	D	P	W	B	N	M

Conditions:

i) If the first element is an odd number and the last element is an even number, then both the first and last elements will be encoded as '©'.

ii) If both the second and third elements are perfect squares, then the second element will be encoded with the code of the third element.

Code for: 7@%46

(a) P F Q B M

(b) © Q B © F

(c) © F Q B ©

(d) © B Q F ©

Ans.(c)

Q94. The ratio of the heights of a right circular cone and a right circular cylinder is 2 : 9 and the ratio of the radii of their bases is 7 : 2. If the volume of the cylinder is 972 cm^3 , then the volume (in cm^3) of the cone is:

(a) 891

(b) 885

(c) 889

(d) 882

Ans.(d)

Q95. If 'TABLOID' is coded as 82 in a code language, how would 'PEACOCK' be coded in the same code language?

(a) 91

(b) 92

(c) 93

(d) 94

Ans.(a)

Q96. The average of seven consecutive odd numbers is 41. What is the smallest of these numbers?

(a) 37

(b) 33

(c) 39

(d) 35

Ans.(d)

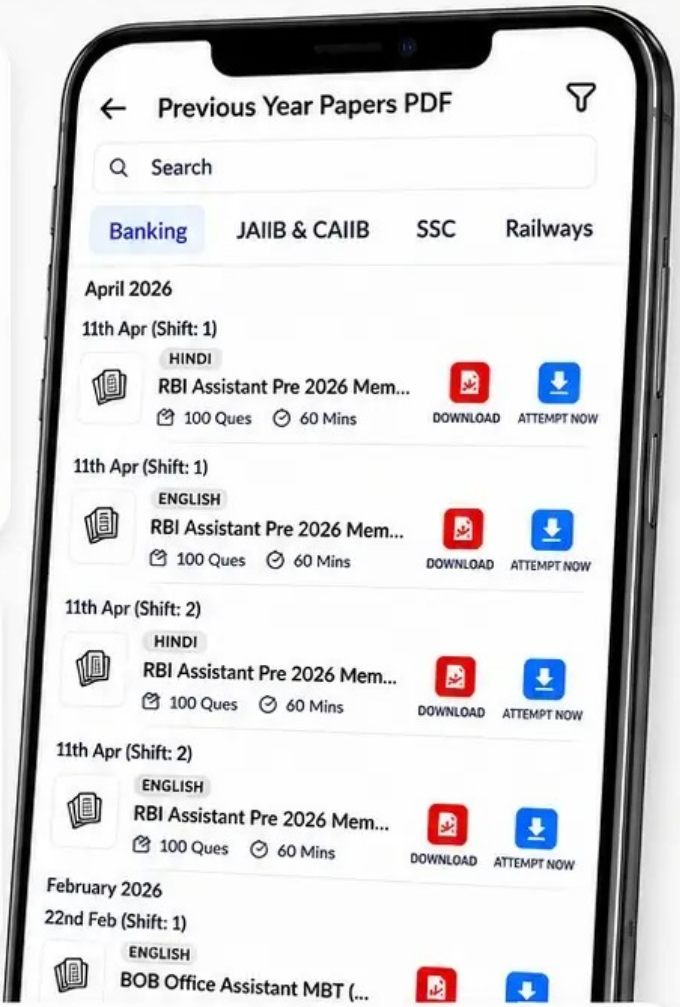
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Q97. DMKZ is related to EKNV in a certain way based on the English alphabetical order. In the same way, LOJT is related to MMMP. To which of the following is SRLQ related, following the same logic?
(a) TPIU
(b) TONL
(c) TPOM
(d) TTNP
Ans.(c)

Q98. 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) 3
(c) 1.5
(d) 2
Ans.(c)

Q99. In the context of post-liberalization economic governance in India, what does the concept of 'Minimum Government, Maximum Governance fundamentally imply, and how does it reflect a shift in the role of the state?
(a) It advocates complete withdrawal of the government from all sectors, including regulation and welfare
(b) It promotes a downsized state that focuses on facilitation, efficiency, and citizen-centric service delivery rather than direct control and ownership
(c) It empowers public sector enterprises through greater subsidies and budgetary allocations
(d) It mandates maximum centralization of powers for stronger decision-making and quicker implementation
Ans.(b)

Q100. Equal pieces of zinc and copper are added separately to dilute sulphuric acid. Which observation is CORRECT?
(a) Both metals evolve hydrogen gas
(b) Neither metal evolves hydrogen gas
(c) Only zinc evolves hydrogen gas
(d) Only copper evolves hydrogen gas
Ans.(c)