



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

०५/२०२४ - एनटीपीसी स्नातक स्तर - CEN - 05/2024 - NTPC Graduate Level



Test Date	17/06/2025
Test Time	4:30 PM - 6:00 PM
Subject	RRB NTPC Graduate Level I

* Note
Correct Answer will carry 1 mark per Question.
Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.
2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : RRB NTPC Graduate Level I

Q.1	What will come in the place of the question mark (?) in the following equation, if '+' is replaced by '-' and 'x' and '÷' are interchanged? 20 ÷ 5 + 8 × 2 + 1 = ? Ans <div><div>✓ 1. 95</div><div>✗ 2. 85</div><div>✗ 3. 80</div><div>✗ 4. 90</div></div>
Q.2	Who among the following has been appointed as 26 th Chief Election Commissioner of India in February 2025? Ans <div><div>✗ 1. Sanjay Malhotra</div><div>✗ 2. Ashish Naithani</div><div>✗ 3. Vineet Joshi</div><div>✓ 4. Gyanesh Kumar</div></div>
Q.3	A sum when invested at the rate of 12.5% simple interest per annum, amounts to ₹7,500 after 2 years. The simple interest (in ₹) for the given time period is: Ans <div><div>✓ 1. 1,500</div><div>✗ 2. 1,600</div><div>✗ 3. 1,700</div><div>✗ 4. 1,400</div></div>
Q.4	Which physiographic feature lies parallel to the Shiwaliks and is about 8-16 km wide? Ans <div><div>✓ 1. Bhabar</div><div>✗ 2. Terai</div><div>✗ 3. Delta</div><div>✗ 4. Doab</div></div>

Q.5	This question is based on the five, three-digit numbers given below. (Left) 411 559 916 247 769 (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 first digit of the lowest number is subtracted from the first digit of the highest number?
Ans	<div><div>✖ 1. 10</div><div>✔ 2. 7</div><div>✖ 3. 8</div><div>✖ 4. 6</div></div>
Q.6	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 :: ? # : EPV :: RFS : %
Ans	<div><div>✖ 1. # = COW, % = SGQ</div><div>✖ 2. # = DMU, % = SGL</div><div>✖ 3. # = CNU, % = THV</div><div>✔ 4. # = DNU, % = SHT</div></div>
Q.7	In a certain code language, 'MICE' is coded as '6398' and 'PEAR' is coded as '3215'. What is the code for 'E' in the given code language?
Ans	<div><div>✖ 1. 2</div><div>✖ 2. 5</div><div>✔ 3. 3</div><div>✖ 4. 8</div></div>
Q.8	The Thar Desert serves as a natural boundary between:
Ans	<div><div>✖ 1. India and China</div><div>✔ 2. India and Pakistan</div><div>✖ 3. India and Nepal</div><div>✖ 4. India and Afghanistan</div></div>
Q.9	Which of the following systems was abolished by the Nineteenth Amendment Act, 1966?
Ans	<div><div>✔ 1. Election tribunals</div><div>✖ 2. Zamindari system</div><div>✖ 3. Privy purse system</div><div>✖ 4. Separate electorate system</div></div>
Q.10	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 # 1 9 © 3 5 © € @ # £ @ * © 5 £ € 5 4 4 (Right)
Ans	<div>How many such numbers are there each of which is immediately preceded by a number and also immediately followed by a symbol?</div> <div><div>✔ 1. 3</div><div>✖ 2. 4</div><div>✖ 3. 5</div><div>✖ 4. 2</div></div>

Q.11	The 1991 reforms promoted deregulation of industries. Which industry continued to be reserved for public sector post-1991 reforms?
Ans	<div> <div>✗</div> <div>1. Electronics</div> </div> <div> <div>✗</div> <div>2. Automobiles</div> </div> <div> <div>✓</div> <div>3. Atomic energy</div> </div> <div> <div>✗</div> <div>4. Textile</div> </div>
Q.12	Which of the following best describes the function of a 'Section Break (Next Page)' in MS Word?
Ans	<div> <div>✗</div> <div>1. It starts a new paragraph while maintaining the same formatting.</div> </div> <div> <div>✓</div> <div>2. It ends the current section and starts a new section on the subsequent page.</div> </div> <div> <div>✗</div> <div>3. It inserts a manual line break within the same paragraph.</div> </div> <div> <div>✗</div> <div>4. It creates a visual divider between different parts of the document on the same page.</div> </div>
Q.13	The period from 1905 to 1917 is known as the "Extremist Phase" in the Indian National Movement. Which of the following leaders was NOT associated with the extremist ideology during this time?
Ans	<div> <div>✗</div> <div>1. Bipin Chandra Pal</div> </div> <div> <div>✗</div> <div>2. Bal Gangadhar Tilak</div> </div> <div> <div>✗</div> <div>3. Lala Lajpat Rai</div> </div> <div> <div>✓</div> <div>4. Gopal Krishna Gokhale</div> </div>
Q.14	Seven friends, D, E, F, G, M, N and O, are sitting in a row facing north. Only five people sit between G and D. F sits to the immediate left of D. Only one person sits between F and M. O sits at some place to the left of E but at some place to the right of N. Who sits third from the left end of the line?
Ans	<div> <div>✗</div> <div>1. F</div> </div> <div> <div>✗</div> <div>2. M</div> </div> <div> <div>✗</div> <div>3. N</div> </div> <div> <div>✓</div> <div>4. O</div> </div>
Q.15	Which metals are generally used for electrical transmission lines?
Ans	<div> <div>✗</div> <div>1. Iron and nickel</div> </div> <div> <div>✗</div> <div>2. Silver and gold</div> </div> <div> <div>✗</div> <div>3. Zinc and lead</div> </div> <div> <div>✓</div> <div>4. Copper and aluminium</div> </div>
Q.16	A man spends 28% of his monthly salary on house rent. If every month, he also spends ₹687 on conveyance and ₹7,483 on grocery and saves the remaining ₹218, his monthly salary is:
Ans	<div> <div>✗</div> <div>1. ₹11,738</div> </div> <div> <div>✓</div> <div>2. ₹11,650</div> </div> <div> <div>✗</div> <div>3. ₹11,594</div> </div> <div> <div>✗</div> <div>4. ₹11,743</div> </div>
Q.17	Find the area of four walls of a cube, the length of whose edge is $(3x + 8y + 5)$ m.
Ans	<div> <div>✗</div> <div>1. $(36x^2 + 124y^2 + 100 + 82xy + 160y + 80x) \text{ m}^2$</div> </div> <div> <div>✗</div> <div>2. $(36x^2 + 256y^2 + 100 + 192xy + 160y + 120x) \text{ m}^2$</div> </div> <div> <div>✓</div> <div>3. $(36x^2 + 256y^2 + 100 + 192xy + 320y + 120x) \text{ m}^2$</div> </div> <div> <div>✗</div> <div>4. $(36x^2 + 184y^2 + 100 + 192xy + 160y + 80x) \text{ m}^2$</div> </div>

Q.18	The maximum number of Buddhist stupas had been built by which of the following rulers?
Ans	<div><div><div>✖</div><div>1. Chandragupta Maurya</div></div><div><div>✖</div><div>2. Bimbisara</div></div><div><div>✔</div><div>3. Ashoka</div></div><div><div>✖</div><div>4. Pushyamitra Sunga</div></div></div>
Q.19	What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged? 215 ÷ 4 + 822 × 3 - 45 = ?
Ans	<div><div><div>✖</div><div>1. 691</div></div><div><div>✔</div><div>2. 631</div></div><div><div>✖</div><div>3. 521</div></div><div><div>✖</div><div>4. 581</div></div></div>
Q.20	Which of the following categories of MSMEs constitutes the major share of MSME registration on the Udyam Registration Portal?
Ans	<div><div><div>✔</div><div>1. Micro</div></div><div><div>✖</div><div>2. Small</div></div><div><div>✖</div><div>3. Large</div></div><div><div>✖</div><div>4. Medium</div></div></div>
Q.21	What is the significance of pipelining in CPU architecture?
Ans	<div><div><div>✖</div><div>1. Stores instructions in memory</div></div><div><div>✖</div><div>2. Transfers data between registers</div></div><div><div>✖</div><div>3. Increases clock speed using multiple cores</div></div><div><div>✔</div><div>4. Executes multiple instructions simultaneously by overlapping stages</div></div></div>
Q.22	What should come in place of the question mark (?) in the given series? 21 24 33 48 69 96 ?
Ans	<div><div><div>✖</div><div>1. 116</div></div><div><div>✖</div><div>2. 138</div></div><div><div>✖</div><div>3. 141</div></div><div><div>✔</div><div>4. 129</div></div></div>
Q.23	Select the triad that follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern. QT-OR-MP XA-VY-TW
Ans	<div><div><div>✖</div><div>1. JM-HK-FJ</div></div><div><div>✖</div><div>2. AD-YB-VZ</div></div><div><div>✔</div><div>3. TW-RU-PS</div></div><div><div>✖</div><div>4. NQ-LO-JN</div></div></div>
Q.24	Where was the field demonstration of the DEW Mk-II(A) system conducted by DRDO in 2025?
Ans	<div><div><div>✖</div><div>1. Bengaluru</div></div><div><div>✖</div><div>2. New Delhi</div></div><div><div>✔</div><div>3. Kurnool</div></div><div><div>✖</div><div>4. Pokhran</div></div></div>

Q.25 Chetan starts from Point Y and drives 37 km towards the south. He then takes a right turn, drives 18 km, turns right and drives 58 km. He then takes a left turn and drives 61 km. He takes a left turn, drives 21 km and stops at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again? (All turns are 90-degree turns only unless specified.)

- Ans
- ☐ 1. 39 km towards the south
 - ☐ 2. 64 km towards the west
 - ☐ 3. 43 km towards the west
 - ☒ 4. 79 km towards the east

Q.26 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans
- ☐ 1. KNI
 - ☐ 2. MPK
 - ☒ 3. QTP
 - ☐ 4. ORM

Q.27 Which Indian Constitutional Amendment Act have decreased the Fundamental Rights from seven to six?

- Ans
- ☐ 1. 35th Constitutional Amendment Act
 - ☐ 2. 76th Constitutional Amendment Act
 - ☒ 3. 44th Constitutional Amendment Act
 - ☐ 4. 42nd Constitutional Amendment Act

Q.28 Suzanne Collins' novel published in 2025 is titled:

- Ans
- ☐ 1. The Crimson Rivers
 - ☒ 2. Sunrise on the Reaping
 - ☐ 3. Léon: The Professional
 - ☐ 4. Le Grand Bleu

Q.29 What is the median of the following distribution?

Class	120-170	170-220	220-270	270-320	320-370
Frequency	18	34	17	13	22

- Ans
- ☐ 1. 227
 - ☒ 2. 220
 - ☐ 3. 224
 - ☐ 4. 216

Q.30 The volume (in cm³) of a wire of diameter 6 cm and length 56 m is:

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

- Ans
- ☒ 1. 1,58,400
 - ☐ 2. 1,58,800
 - ☐ 3. 1,59,000
 - ☐ 4. 1,57,800

Q.31	Rishika travels a certain distance at a speed of 52 km/hr and double the earlier distance at 39 km/hr. She then returns to the starting point through the same route. If her average speed for the entire journey is 56 km/h, then what is her speed (in km/hr) for the return journey?
Ans	<div><div><div>✖</div><div>1. 87</div></div><div><div>✔</div><div>2. 81.9</div></div><div><div>✖</div><div>3. 76</div></div><div><div>✖</div><div>4. 83.8</div></div></div>
Q.32	Prabhat, Dinesh, Yug, Monu, Sakshi, Amit and Shipra are sitting around a circular table, facing the centre. Yug sits second to the left of Amit. Prabhat sits third to the right of Amit. Monu sits to the immediate right of Dinesh. Shipra is not an immediate neighbour of Prabhat. Who sits second to the left of Dinesh?
Ans	<div><div><div>✔</div><div>1. Shipra</div></div><div><div>✖</div><div>2. Sakshi</div></div><div><div>✖</div><div>3. Prabhat</div></div><div><div>✖</div><div>4. Yug</div></div></div>
Q.33	Where was the 2024 United Nations Biodiversity Convention (COP16) initially held?
Ans	<div><div><div>✔</div><div>1. Cali, Colombia</div></div><div><div>✖</div><div>2. Nairobi, Kenya</div></div><div><div>✖</div><div>3. Montreal, Canada</div></div><div><div>✖</div><div>4. Rome, Italy</div></div></div>
Q.34	Who among the following is the political head of the municipality in India?
Ans	<div><div><div>✖</div><div>1. Mayor</div></div><div><div>✔</div><div>2. Chairman</div></div><div><div>✖</div><div>3. Chief Municipal Officer</div></div><div><div>✖</div><div>4. Municipal Commissioner</div></div></div>
Q.35	The greatest number that divides 48 and 46 leaving remainders 9 and 7, respectively, is:
Ans	<div><div><div>✖</div><div>1. 46</div></div><div><div>✖</div><div>2. 47</div></div><div><div>✖</div><div>3. 43</div></div><div><div>✔</div><div>4. 39</div></div></div>
Q.36	Find a single discount (rounded up to two decimal places) equal to three consecutive discounts of 26%, 29% and 2%.
Ans	<div><div><div>✖</div><div>1. 47.56%</div></div><div><div>✖</div><div>2. 47.12%</div></div><div><div>✔</div><div>3. 48.51%</div></div><div><div>✖</div><div>4. 48.86%</div></div></div>
Q.37	In October 2024, the Indian government notified rules under the Jan Vishwas (Amendment of Provisions) Act, 2023. What was a key objective of this legislation?
Ans	<div><div><div>✖</div><div>1. To legalise digital signatures for land registration documents</div></div><div><div>✖</div><div>2. To establish a unified grievance redressal portal for all central ministries</div></div><div><div>✔</div><div>3. To convert minor offenses under various laws from criminal to civil penalties</div></div><div><div>✖</div><div>4. To expand the RTI Act to cover private educational institutions</div></div></div>

Q.38	Where did the International Summit on the Future of Energy Security take place in April 2025?
Ans	<div><div><div>✖</div><div>1. Paris, France</div></div><div><div>✖</div><div>2. Tokyo, Japan</div></div><div><div>✖</div><div>3. Berlin, Germany</div></div><div><div>✔</div><div>4. London, United Kingdom</div></div></div>
Q.39	If '+' means 'subtraction', '-' means 'multiplication', 'x' means 'division' and '÷' means 'addition', then what will come in place of the question mark (?) in the following equation?
	109 ÷ 76 × 4 – 5 + 18 = ?
Ans	<div><div><div>✖</div><div>1. 189</div></div><div><div>✔</div><div>2. 186</div></div><div><div>✖</div><div>3. 201</div></div><div><div>✖</div><div>4. 191</div></div></div>
Q.40	Which of the following terms was used for tanks or ponds in Gupta records?
Ans	<div><div><div>✖</div><div>1. Nadi</div></div><div><div>✖</div><div>2. Prapa</div></div><div><div>✖</div><div>3. Kshetra</div></div><div><div>✔</div><div>4. Tadaga</div></div></div>
Q.41	The area of a quadrilateral ABCD is 299 cm ² . The lengths of the perpendiculars from the vertices B and D to the diagonal AC are 11 cm and 12 cm, respectively. Determine the length (in cm) of the diagonal AC.
Ans	<div><div><div>✔</div><div>1. 26</div></div><div><div>✖</div><div>2. 21</div></div><div><div>✖</div><div>3. 29</div></div><div><div>✖</div><div>4. 24</div></div></div>
Q.42	What should come in place of the question mark (?) in the given series based on the English alphabetical order? QJL OHJ MFH KDF ?
Ans	<div><div><div>✔</div><div>1. IBD</div></div><div><div>✖</div><div>2. IAD</div></div><div><div>✖</div><div>3. IBE</div></div><div><div>✖</div><div>4. IAE</div></div></div>
Q.43	Mr. Chotu starts from Point A and drives 16 km towards the North. He then takes a left turn, drives 8 km, turns left and drives 7 km. He then takes a right turn, drives 4 km, turns left and drives 12 km. He then takes a left turn and drives 18 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).
Ans	<div><div><div>✖</div><div>1. 4 km to the East</div></div><div><div>✔</div><div>2. 6 km to the West</div></div><div><div>✖</div><div>3. 9 km to the South</div></div><div><div>✖</div><div>4. 1 km to the North</div></div></div>
Q.44	Rajat ranked 16 th from the top and 55 th from the bottom in his class. How many students are there in his class?
Ans	<div><div><div>✔</div><div>1. 70</div></div><div><div>✖</div><div>2. 71</div></div><div><div>✖</div><div>3. 72</div></div><div><div>✖</div><div>4. 69</div></div></div>

Q.45 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

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

(2, 20, 4)
(5, 61, 6)

- Ans
- ☐ 1. (7, 45, 2)
 - ☐ 2. (4, 40, 6)
 - ☐ 3. (1, 8, 3)
 - ☒ 4. (3, 25, 4)

Q.46 Amit had invested the same amount of sums at simple as well as compound interest, compounded annually. The time period of investment for both the sums was 2 years and rate of interest too was same, 4% per annum. At the end, he found a difference of ₹44 in both the interests received. What were the sums (in ₹) invested?

- Ans
- ☐ 1. ₹26,600
 - ☐ 2. ₹27,850
 - ☒ 3. ₹27,500
 - ☐ 4. ₹26,750

Q.47 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$187 \div 3 + 168 \times 2 - 174 = ?$

- Ans
- ☐ 1. 654
 - ☐ 2. 652
 - ☒ 3. 651
 - ☐ 4. 653

Q.48 Seven boxes, D, E, F, G, S, T and U, are kept one over the other but not necessarily in the same order. No box is kept above F. Only three boxes are kept between F and S. Only one box is kept between D and E. E is kept immediately above S. Only four boxes are kept between D and G. T is kept at some place above U. Which box is kept second below T?

- Ans
- ☐ 1. F
 - ☐ 2. G
 - ☐ 3. D
 - ☒ 4. S

Q.49 In a certain code language, 'GATE' is coded as '6148' and 'TIPS' is coded as '5721'. What is the code for 'T' in the given code language?

- Ans
- ☐ 1. 4
 - ☒ 2. 1
 - ☐ 3. 7
 - ☐ 4. 5

Q.50 The BPO industry emerged due to globalisation. What is a key feature of Business Process Outsourcing (BPO)?

- Ans
- ☐ 1. Government ownership
 - ☐ 2. Manufacturing heavy goods
 - ☒ 3. Providing services to foreign companies from India
 - ☐ 4. Domestic services only

Q.51	<p>Which of the following statements regarding the Exercise INDRA held in March-April 2025 is/are correct?</p> <p>1. The exercise included participation of Russian Federation Naval Ships Pechanga, Rezkiy, and Aldar Tsydenzhapov, along with Indian Naval Ships Rana, Kuthar, and Maritime Patrol Aircraft P8I.</p> <p>2. The exercise was conducted in two phases: Harbour phase in Chennai and Sea phase in the Arabian Sea.</p> <p>3. This was the 13th edition of Exercise INDRA , symbolises the long-term strategic relationship between India and Russia.</p>
Ans	<div><div><div><div></div></div><div>1. 1, 2 and 3</div></div><div><div><div></div></div><div>2. Only 1 and 3</div></div><div><div><div></div></div><div>3. Only 2 and 3</div></div><div><div><div></div></div><div>4. Only 1</div></div></div>
Q.52	<p>Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.</p> <p>ELX IJT MHP ? UDH</p>
Ans	<div><div><div><div></div></div><div>1. QGK</div></div><div><div><div></div></div><div>2. QFK</div></div><div><div><div></div></div><div>3. QGL</div></div><div><div><div></div></div><div>4. QFL</div></div></div>
Q.53	<p>The ratio of 39 hours to 17 days is:</p>
Ans	<div><div><div><div></div></div><div>1. 12 : 142</div></div><div><div><div></div></div><div>2. 39 : 17</div></div><div><div><div></div></div><div>3. 14 : 143</div></div><div><div><div></div></div><div>4. 13 : 136</div></div></div>
Q.54	<p>A seller marks their goods 45% above the cost price. On customer demand, they offer a 60% reduction on the bills. What percentage of profit or loss does the seller make?</p>
Ans	<div><div><div><div></div></div><div>1. 45% loss</div></div><div><div><div></div></div><div>2. 42% loss</div></div><div><div><div></div></div><div>3. 39% profit</div></div><div><div><div></div></div><div>4. 41% loss</div></div></div>
Q.55	<p>The Securities and Exchange Board of India (SEBI) has reduced the minimum investment for Zero Coupon Zero Principal (ZCZP) in the Social Stock Exchange (SSE) from ₹10,000 to _____.</p>
Ans	<div><div><div><div></div></div><div>1. ₹2,000</div></div><div><div><div></div></div><div>2. ₹1,500</div></div><div><div><div></div></div><div>3. ₹1,000</div></div><div><div><div></div></div><div>4. ₹500</div></div></div>
Q.56	<p>The addition of H⁺ ions to the equilibrium $\text{CH}_3\text{COOH} \rightleftharpoons \text{CH}_3\text{COO}^- + \text{H}^+$ will:</p>
Ans	<div><div><div><div></div></div><div>1. Lead to no change</div></div><div><div><div></div></div><div>2. Stop the reaction</div></div><div><div><div></div></div><div>3. Shift the equilibrium right</div></div><div><div><div></div></div><div>4. Shift the equilibrium left</div></div></div>
Q.57	<p>Which of the following numbers is divisible by 22?</p>
Ans	<div><div><div><div></div></div><div>1. 7986</div></div><div><div><div></div></div><div>2. 7019</div></div><div><div><div></div></div><div>3. 7664</div></div><div><div><div></div></div><div>4. 8371</div></div></div>

Q.58 Find the value of $\frac{\sqrt{0.038025}}{\sqrt{0.004225}}$.

- Ans
- ☐ 1. 21
 - ☐ 2. 6
 - ☐ 3. 11
 - ☒ 4. 3

Q.59 If $a^2 + b^2 = 169$, $a \times b = 10$, and $a > b$, find $\frac{a - b}{a + b}$.

- Ans
- ☐ 1. $\sqrt{\frac{158}{199}}$
 - ☐ 2. $\frac{158}{199}$
 - ☒ 3. $\sqrt{\frac{149}{189}}$
 - ☐ 4. $\frac{149}{189}$

Q.60 Which state recorded the lowest unemployment rate according to the PLFS 2022-23?

- Ans
- ☒ 1. Tripura
 - ☐ 2. Maharashtra
 - ☐ 3. Gujarat
 - ☐ 4. Karnataka

Q.61 Two taps can fill a cistern in 3 hours and 57 hours, respectively. A third tap can empty it in 3 hours. How long (in hours) will it take to fill one-third of the empty cistern, if all of them are opened together?

- Ans
- ☒ 1. 19
 - ☐ 2. 58
 - ☐ 3. 57
 - ☐ 4. 20

Q.62 Sharda Sinha received the Padma Vibhushan posthumously in 2025 in which of the following fields?

- Ans
- ☐ 1. Sports
 - ☐ 2. Medicine
 - ☒ 3. Art
 - ☐ 4. Spiritualism

Q.63 Which of the following abbreviations represents a volatile memory technology commonly used for the primary working memory in personal computers?

- Ans
- ☒ 1. DRAM
 - ☐ 2. SRAM
 - ☐ 3. NVMe
 - ☐ 4. CMOS

Q.64 For $7x^2 - 4x + k = 0$, determine the value of k so that the equation has equal roots.

- Ans
- ☒ 1. $\frac{4}{7}$
 - ☐ 2. $\frac{4}{5}$
 - ☐ 3. $\frac{3}{7}$
 - ☐ 4. $\frac{4}{11}$

Q.65 Which of the following government schemes focuses on the development of urban infrastructure in India?

- Ans
- ☒ 1. AMRUT
 - ☐ 2. PMGSY
 - ☐ 3. MGNREGA
 - ☐ 4. RURBAN Mission

Q.66 Among the islet cells of the pancreas, which cell type secretes the hormone that primarily raises blood glucose levels?

- Ans
- ☐ 1. Beta cells
 - ☒ 2. Alpha cells
 - ☐ 3. Delta cells
 - ☐ 4. PP cells

Q.67 A person saves 30% of his income. If his expenditure is ₹560, then his income (in ₹) is:

- Ans
- ☐ 1. 840
 - ☒ 2. 800
 - ☐ 3. 168
 - ☐ 4. 392

Q.68 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. V has an exam on Friday. Exactly 3 people have exams between Q and S, neither of whom has an exam on Sunday. P has an exam immediately after U. T has an exam immediately before S. How many people have exams before U?

- Ans
- ☒ 1. 2
 - ☐ 2. 3
 - ☐ 3. 4
 - ☐ 4. 1

Q.69 If $\sin A = \frac{4}{5}$, then find the value of $(2 + \tan A)(4 + \cos A)$.

- Ans
- ☐ 1. $\frac{3}{46}$
 - ☐ 2. $\frac{15}{208}$
 - ☒ 3. $\frac{46}{3}$
 - ☐ 4. $\frac{208}{15}$

Q.70 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 hens are pigeons.
All pigeons are crows.
All crows are mynahs.

Conclusions:
(I) Some hens are mynahs.
(II) Some mynahs are pigeons.

- Ans**
- ☐ 1. Neither conclusion (I) nor conclusion (II) follows
 - ☐ 2. Only conclusion (I) follows
 - ☐ 3. Only conclusion (II) follows
 - ☒ 4. Both conclusions (I) and (II) follow

Q.71 4 times the present age of P exceeds the present age of Q by 35 years. After 8 years, 2 times the age of Q will be 40 years less than 6 times the age of P. The present age of Q (in years) is:

- Ans**
- ☐ 1. 84
 - ☐ 2. 97
 - ☒ 3. 89
 - ☐ 4. 80

Q.72 Which ruler of the Delhi Sultanate was associated with the expedition to Bhilsa (Vidisha) in AD 1292?

- Ans**
- ☐ 1. Ulugh Khan
 - ☐ 2. Iltutmish
 - ☐ 3. Ghazi Malik
 - ☒ 4. Alauddin Khilji

Q.73 Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

HLF : JOH
UYR : WBT

- Ans**
- ☒ 1. SFJ : UIL
 - ☐ 2. SEK : VRT
 - ☐ 3. MPQ : RMT
 - ☐ 4. MFL : XRL

Q.74 Which river system is known for forming gorges in the Himalayan region?

- Ans**
- ☐ 1. Godavari
 - ☐ 2. Tapti
 - ☒ 3. Brahmaputra
 - ☐ 4. Penner

Q.75 The average score of 10 players was initially recorded as 55. However, it was later discovered that a score of 84 had been mistakenly read as 48. Determine the correct average score.

- Ans**
- ☐ 1. 50
 - ☐ 2. 55.5
 - ☐ 3. 48.5
 - ☒ 4. 58.6

Q.76 Ramesh can complete a piece of work alone in 16 days and Suresh can complete the same piece of work alone in 10 days. They started the work together, but Ramesh had to leave 4 days before the completion of the work. In how many days will the work get completed?

- Ans
- ☐ 1. $7\frac{5}{13}$ days
 - ☒ 2. $7\frac{9}{13}$ days
 - ☐ 3. $7\frac{8}{13}$ days
 - ☐ 4. $7\frac{2}{13}$ days

Q.77 The sum of five numbers is 655. The average of the first two numbers is 77 and the third number is 101. Find the average of the remaining two numbers.

- Ans
- ☐ 1. 178
 - ☐ 2. 201
 - ☒ 3. 200
 - ☐ 4. 179

Q.78 The side AB and AC of ΔABC are produced to points D and E, respectively. The bisectors of $\angle CBD$ and $\angle BCE$ meet at P. If $\angle A = 84^\circ$, then the measure of $\angle P$ is:

- Ans
- ☐ 1. 66°
 - ☐ 2. 56°
 - ☒ 3. 48°
 - ☐ 4. 36°

Q.79 The median of the observations 60, 43, 24, 61, 72, 26, 39, 62, 49, 95 and 38 is:

- Ans
- ☐ 1. 43
 - ☐ 2. 60
 - ☐ 3. 62
 - ☒ 4. 49

Q.80 Which of the following Articles of the Indian Constitution states about the Official Language Commission in India?

- Ans
- ☒ 1. Article 344
 - ☐ 2. Article 343
 - ☐ 3. Article 342
 - ☐ 4. Article 341

Q.81 Which of the following architectures was built by Aurangzeb?

- Ans
- ☒ 1. Bibi-ka-Maqbara
 - ☐ 2. Humayun's tomb
 - ☐ 3. Taj Mahal
 - ☐ 4. Qutub Minar

Q.82	HL 17 is related to KM -4 in a certain way. In the same way, LN 12 is related to OO -9. To which of the given options is UR 4 related, following the same logic?
Ans	<div><div><div>✖</div><div>1. IX -15</div></div><div><div>✖</div><div>2. VR 16</div></div><div><div>✔</div><div>3. XS -17</div></div><div><div>✖</div><div>4. OZ -18</div></div></div>
Q.83	If 7 : 14 :: 8.7 : x and 5 : 35 :: 7 : y. What is the ratio of x to y?
Ans	<div><div><div>✖</div><div>1. 91 : 255</div></div><div><div>✖</div><div>2. 85 : 246</div></div><div><div>✔</div><div>3. 87 : 245</div></div><div><div>✖</div><div>4. 88 : 243</div></div></div>
Q.84	A boat travels 176 km upstream in 16 hours and 85 km downstream in 5 hours. What is the speed of the boat in still water?
Ans	<div><div><div>✖</div><div>1. 24 km/hr</div></div><div><div>✖</div><div>2. 20 km/hr</div></div><div><div>✔</div><div>3. 14 km/hr</div></div><div><div>✖</div><div>4. 23 km/hr</div></div></div>
Q.85	Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)
Ans	<div><div><div>✔</div><div>1. BK – EY</div></div><div><div>✖</div><div>2. YH – CV</div></div><div><div>✖</div><div>3. JS – NG</div></div><div><div>✖</div><div>4. KT – OH</div></div></div>
Q.86	Besides resolving disputes, what power do the Nyaya Panchayats have in India?
Ans	<div><div><div>✖</div><div>1. Levying taxes for village development</div></div><div><div>✖</div><div>2. Managing village agriculture</div></div><div><div>✔</div><div>3. Imposing fines on offenders</div></div><div><div>✖</div><div>4. Issuing binding contracts</div></div></div>
Q.87	If the manufacturer gains 10%, the wholesale gains 15% and the retailer gains 25%, then find the cost of production of a table (in ₹), whose retail price for the customer is ₹31,900. (NOTE: Manufacturer sells to wholesaler, wholesaler sells to retailer and retailer sells to customers.)
Ans	<div><div><div>✔</div><div>1. 20,000</div></div><div><div>✖</div><div>2. 23,200</div></div><div><div>✖</div><div>3. 25,000</div></div><div><div>✖</div><div>4. 22,000</div></div></div>
Q.88	In a certain code language, 'LIFE' is coded as '4268' and 'FUND' is coded as '3527'. What is the code for 'F' in the given code language?
Ans	<div><div><div>✖</div><div>1. 6</div></div><div><div>✖</div><div>2. 3</div></div><div><div>✔</div><div>3. 2</div></div><div><div>✖</div><div>4. 7</div></div></div>

Q.89	The curved surface area of a cylinder is half of its total surface area. If its height is 12 cm, then find its diameter (in cm).
Ans	<div><div><input checked="" type="checkbox"/></div>1. 24</div> <div><div><input type="checkbox"/></div>2. 20</div> <div><div><input type="checkbox"/></div>3. 33</div> <div><div><input type="checkbox"/></div>4. 22</div>
Q.90	In the architecture of a Central Processing Unit (CPU), which statement accurately distinguishes the function of the Arithmetic Logic Unit (ALU) from that of the Control Unit (CU)?
Ans	<div><div><input type="checkbox"/></div>1. ALU decodes instructions, while CU handles data storage tasks.</div> <div><div><input type="checkbox"/></div>2. CU executes arithmetic operations, and ALU controls program instructions.</div> <div><div><input checked="" type="checkbox"/></div>3. ALU handles calculations and logic functions; CU manages instruction flow and coordination.</div> <div><div><input type="checkbox"/></div>4. CU interacts directly with peripheral devices, and ALU stores temporary data.</div>
Q.91	Which of the following states is NOT covered by the Ganga Plain?
Ans	<div><div><input type="checkbox"/></div>1. Bihar</div> <div><div><input type="checkbox"/></div>2. Haryana</div> <div><div><input checked="" type="checkbox"/></div>3. Punjab</div> <div><div><input type="checkbox"/></div>4. West Bengal</div>
Q.92	R is the wife of A. F is the son of A. G is the sister of T. T is the brother of F. How is T related to R?
Ans	<div><div><input checked="" type="checkbox"/></div>1. Son</div> <div><div><input type="checkbox"/></div>2. Sister's son</div> <div><div><input type="checkbox"/></div>3. Brother's son</div> <div><div><input type="checkbox"/></div>4. Brother</div>
Q.93	Which colonial power held Yanaon (Yanam) and Chandernagore as part of its possessions in India?
Ans	<div><div><input checked="" type="checkbox"/></div>1. French</div> <div><div><input type="checkbox"/></div>2. Portuguese</div> <div><div><input type="checkbox"/></div>3. Austrian</div> <div><div><input type="checkbox"/></div>4. German</div>
Q.94	<p>This question is based on the five, three-digit numbers given below.</p> <p>(Left) 941 915 741 807 776 (Right)</p> <p>(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)</p> <p>(NOTE: All operations to be done from left to right.)</p> <p>What will be the resultant if the third digit of the highest number is added to the first digit of the lowest number?</p>
Ans	<div><div><input type="checkbox"/></div>1. 11</div> <div><div><input type="checkbox"/></div>2. 7</div> <div><div><input checked="" type="checkbox"/></div>3. 8</div> <div><div><input type="checkbox"/></div>4. 9</div>
Q.95	Which of the following scenarios would most effectively necessitate the use of a 'Keep with Next' paragraph formatting option in MS Word?
Ans	<div><div><input type="checkbox"/></div>1. Automatically indenting the first line of every paragraph in a document</div> <div><div><input type="checkbox"/></div>2. Applying a consistent bullet point style to a list of items</div> <div><div><input checked="" type="checkbox"/></div>3. Ensuring that a heading and the paragraph immediately following it always appear on the same page</div> <div><div><input type="checkbox"/></div>4. Preventing a long paragraph from being split across multiple pages</div>

Q.96 What should come in place of the question mark (?) in the given series?

4 10 22 46 94 190 ?

- Ans
- ☐ 1. 390
 - ☐ 2. 380
 - ☐ 3. 384
 - ☒ 4. 382

Q.97 Who among the following was appointed as the Chairman of the Airports Authority of India (AAI), in October 2024?

- Ans
- ☐ 1. Praveena Rai
 - ☐ 2. Shashwat Sharma
 - ☐ 3. Deepak Agarwal
 - ☒ 4. Vipin Kumar

Q.98 In the context of the 2024 Haryana Assembly elections, which of the following statements is/are correct?

- 1. The BJP retained power with a clear majority.
- 2. BJP increased its seats compared to the 2019 Assembly elections.
- 3. Congress decreased its seats compared to the 2019 elections.
- 4. The vote share difference between BJP and Congress was narrow, with BJP securing 39.94% and Congress 39.09%.

- Ans
- ☒ 1. Only 1, 2 and 4
 - ☐ 2. Only 2 and 4
 - ☐ 3. Only 1 and 3
 - ☐ 4. Only 1

Q.99 Who among the following was a radical rationalist and iconoclast in Maharashtra?

- Ans
- ☐ 1. Vishnushastri Chiplunkar
 - ☐ 2. Ganesh Vasudev Joshi
 - ☐ 3. Bhaskar Pandurang
 - ☒ 4. Gopal Ganesh Agarkar

Q.100 Find the simplified value of $[81 \div \{21 + 9 \times (5 - 7)\}]$.

- Ans
- ☒ 1. 27
 - ☐ 2. 26
 - ☐ 3. 24
 - ☐ 4. 25