



रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS  
सी ई एन आर पी एफ - ०२/२०२४ - CEN RPF - 02/2024



|             |                                  |
|-------------|----------------------------------|
| Exam Date   | 17/03/2025                       |
| Centre Name | iON Digital Zone iDZ Austinpatti |
| Exam Time   | 9:00 AM - 10:30 AM               |

\* 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 : Arithmetic |                                                                                                                                                                                                                                                          |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Q.1                  | Pari marked a toy at 65% above the cost price of ₹6,580. If she offers a discount of 25% on the marked price and customer pays ₹P for the toy, the value of P is:                                                                                        |
| Ans                  | 1. ₹8,000<br>2. ₹8,142.75<br>3. ₹9,000<br>4. ₹7,966.50                                                                                                                                                                                                   |
| Q.2                  | In covering a distance of 144 km, Pranshu takes 3 hours more than Chandu. If Pranshu doubles his speed, then he would take 5 hour less than Chandu. Pranshu's speed is:                                                                                  |
| Ans                  | 1. 4 km/h<br>2. 3 km/h<br>3. 16 km/h<br>4. 9 km/h                                                                                                                                                                                                        |
| Q.3                  | The HCF $h$ of $a$ and $b$ is doubled when the first number is doubled and HCF is tripled when the second number is tripled. The HCF of which two below given numbers is $6h$ ?                                                                          |
| Ans                  | 1. $2a, 2b$<br>2. $3a, 2b$<br>3. $3a, 3b$<br>4. $2a, 3b$                                                                                                                                                                                                 |
| Q.4                  | If $96 : y :: y : 6$ , find the positive value of $y$ .                                                                                                                                                                                                  |
| Ans                  | 1. 30<br>2. 17<br>3. 24<br>4. 27                                                                                                                                                                                                                         |
| Q.5                  | Pipes A and B can fill an empty cistern in 52 minutes and 65 minutes, respectively. Both Pipe A and Pipe B are opened together. After how much time should Pipe A be turned off so that the empty cistern is completely filled in a total of 60 minutes? |
| Ans                  | 1. 20 min<br>2. 5 min<br>3. 15 min<br>4. 4 min                                                                                                                                                                                                           |

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| Q.6  | The value of                                                                                                                                    |
| Ans  | <div>1. 8.34</div> <div>2. 6.12</div> <div>3. 1.5</div> <div>4. 15.88</div>                                                                     |
| Q.7  | There is 2600 ml oil in a bottle. If the quantity of oil is increased by 22%, the bottle is completely filled. Find the capacity of the bottle. |
| Ans  | <div>1. 3000 ml</div> <div>2. 3136 ml</div> <div>3. 3172 ml</div> <div>4. 3096 ml</div>                                                         |
| Q.8  | A dealer buys an article for ₹2,200 and sells it for ₹4,000. If his overhead charges are ₹300, then what is his gain percentage?                |
| Ans  | <div>1. 60%</div> <div>2. 65%</div> <div>3. 40%</div> <div>4. 50%</div>                                                                         |
| Q.9  | The average of first 128 odd natural numbers, is:                                                                                               |
| Ans  | <div>1. 129</div> <div>2. 128.5</div> <div>3. 128</div> <div>4. 127.5</div>                                                                     |
| Q.10 | Select the least number from among the following.<br>a) 0.8<br>b) $0.\overline{8}$<br>c) $1 \div 0.8$<br>d) $\frac{2}{5} \times 0.8$            |
| Ans  | <div>1. d)</div> <div>2. a)</div> <div>3. c)</div> <div>4. b)</div>                                                                             |
| Q.11 | 1% of 96% of a number is what percentage of that number?                                                                                        |
| Ans  | <div>1. 96</div> <div>2. 0.096</div> <div>3. 0.96</div> <div>4. 97</div>                                                                        |
| Q.12 | If the length of cuboid is 2 cm, breadth is 4 cm and the volume of cuboid is $1712\text{ cm}^3$ , then find the height of cuboid (in cm).       |
| Ans  | <div>1. 206</div> <div>2. 219</div> <div>3. 214</div> <div>4. 209</div>                                                                         |

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| Q.13 | The monthly incomes of two friends Chetan and Vipul, are in the ratio 5 : 7 respectively and each of them saves ₹96000 every month. If the ratio of their monthly expenditure is 2 : 4, find the monthly income of Chetan(in ₹). |
| Ans  | <div>1. 224000</div> <div>2. 160000</div> <div>3. 161000</div> <div>4. 159000</div>                                                                                                                                              |
| Q.14 | The average of the marks of 14 students in a class is 59. If the marks of each student are doubled, find the new average?                                                                                                        |
| Ans  | <div>1. 28</div> <div>2. 59</div> <div>3. 14</div> <div>4. 118</div>                                                                                                                                                             |
| Q.15 | The marked price of a pair of shoes is ₹2,500. A discount of 16% is offered. What is the amount of discount?                                                                                                                     |
| Ans  | <div>1. ₹450</div> <div>2. ₹300</div> <div>3. ₹350</div> <div>4. ₹400</div>                                                                                                                                                      |
| Q.16 | In what ratio should sugar costing ₹74 per kg be mixed with sugar costing ₹27 per kg so that by selling the mixture at ₹45.6 per kg, there is a profit of 14%?                                                                   |
| Ans  | <div>1. 15 : 36</div> <div>2. 12 : 32</div> <div>3. 17 : 36</div> <div>4. 13 : 34</div>                                                                                                                                          |
| Q.17 | Find the value of $\left(\frac{1}{6}\right)^{-2} + \left(\frac{1}{5}\right)^{-2} + \left(\frac{1}{4}\right)^{-2}$ .                                                                                                              |
| Ans  | <div>1. 77</div> <div>2. 85</div> <div>3. 83</div> <div>4. 67</div>                                                                                                                                                              |
| Q.18 | In what ratio should sugar costing ₹52 per kg be mixed with sugar costing ₹73 per kg so that by selling the mixture at ₹87.1 per kg, there is a profit of 30%?                                                                   |
| Ans  | <div>1. 13 : 5</div> <div>2. 6 : 15</div> <div>3. 14 : 8</div> <div>4. 14 : 4</div>                                                                                                                                              |
| Q.19 | A sum, when invested at 10% simple interest per annum, amounts to ₹5040 after 4 years. What is the simple interest (in ₹) on the same sum at the same rate of interest in 1 year?                                                |
| Ans  | <div>1. 720</div> <div>2. 1440</div> <div>3. 360</div> <div>4. 180</div>                                                                                                                                                         |

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| Q.20 | A sum of ₹4,000 is invested at 10% per annum, compounded annually. What will the difference between the compound interest (in ₹) earned in the second year and the first year be?                                       |
| Ans  | <div><div>1. 50</div><div>2. 60</div><div>3. 46</div><div>4. 40</div></div>                                                                                                                                             |
| Q.21 | Samrudh has a solid metal ball with a diameter of 9 cm. He melts it and uses the material to make a solid cylinder. If the diameter of the cylinder is same as the ball, then what would be the height of the cylinder? |
| Ans  | <div><div>1. 6 cm</div><div>2. 8 cm</div><div>3. 18 cm</div><div>4. 12 cm</div></div>                                                                                                                                   |
| Q.22 | Salim borrows a sum of ₹60,000 from the bank for 18 months at R% per annum compound interest (interest being calculated half yearly). The amount paid back by Salim to the bank was ₹69,457.5. The value of R is:       |
| Ans  | <div><div>1. 20%</div><div>2. 12%</div><div>3. 5%</div><div>4. 10%</div></div>                                                                                                                                          |
| Q.23 | A retailer buys an electronic item for ₹175. His overhead expenses are ₹5. He sells the electronic item for ₹360 and makes x%' profit. The value of x is:                                                               |
| Ans  | <div><div>1. 80</div><div>2. 90</div><div>3. 100</div><div>4. 120</div></div>                                                                                                                                           |
| Q.24 | Ravi, Arvind and Vimal can complete a piece of work in 5 days, 6 days and 8 days, respectively. In how many days can all the three together complete the work?                                                          |
| Ans  | <div><div>1. <math>3\frac{4}{51}</math> days</div><div>2. <math>2\frac{2}{59}</math> days</div><div>3. <math>3\frac{6}{65}</math> days</div><div>4. <math>2\frac{3}{47}</math> days</div></div>                         |
| Q.25 | Which of the following numbers is divisible by 6?                                                                                                                                                                       |
| Ans  | <div><div>1. 622</div><div>2. 584</div><div>3. 534</div><div>4. 608</div></div>                                                                                                                                         |
| Q.26 | Two trains of equal length are running on parallel lines in the same direction at speeds of 100 km/h and 66 km/h. The faster train passes the slower train in 18 seconds. The length of each train is:                  |
| Ans  | <div><div>1. 102 meters</div><div>2. 85 meters</div><div>3. 74 meters</div><div>4. 65 meters</div></div>                                                                                                                |

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| Q.27 | Find the greatest number which will exactly divide 2610, 2900 and 3190.                                                                                                                                                                                                                                                                                            |
| Ans  | <div>1. 145</div> <div>2. 580</div> <div>3. 290</div> <div>4. 305</div>                                                                                                                                                                                                                                                                                            |
| Q.28 | <div>Pipe P can fill <math>\frac{5}{9}</math> part of a tank in 25 hours and pipe Q can fill <math>\frac{8}{9}</math> part of the same tank in 24 hours. Both P and Q were kept open for 3 hours, then both were closed. Pipe R alone was then opened and it emptied the water in the tank in 8 hours. Pipes P, Q and R together can fill the empty tank in:</div> |
| Ans  | <div>1. 23 hours</div> <div>2. 44 hours</div> <div>3. 27 hours</div> <div>4. 28 hours</div>                                                                                                                                                                                                                                                                        |
| Q.29 | An Uber bike covers a distance of 304 km in 19 hours. What is its speed in km/h?                                                                                                                                                                                                                                                                                   |
| Ans  | <div>1. 23</div> <div>2. 14</div> <div>3. 7</div> <div>4. 16</div>                                                                                                                                                                                                                                                                                                 |
| Q.30 | Find the area of a triangle, whose altitude and base are 28 cm and 12 cm, respectively.                                                                                                                                                                                                                                                                            |
| Ans  | <div>1. 159 cm<sup>2</sup></div> <div>2. 156 cm<sup>2</sup></div> <div>3. 168 cm<sup>2</sup></div> <div>4. 164 cm<sup>2</sup></div>                                                                                                                                                                                                                                |
| Q.31 | Evaluate: 41 - [21 - {11 - (15 - 7 ÷ 3 × 3)}]                                                                                                                                                                                                                                                                                                                      |
| Ans  | <div>1. 20</div> <div>2. 23</div> <div>3. 25</div> <div>4. 18</div>                                                                                                                                                                                                                                                                                                |
| Q.32 | In a race, an athlete covers a distance of 456 m in 152 sec in the first lap. He covers the second lap of the same length in 76 sec. What is the average speed (in m/sec) of the athlete?                                                                                                                                                                          |
| Ans  | <div>1. 4</div> <div>2. 10</div> <div>3. 1</div> <div>4. 5</div>                                                                                                                                                                                                                                                                                                   |
| Q.33 | An amount of ₹741 is divided among three persons in the ratio of 2 : 14 : 10. The difference between the largest and the smallest shares (in ₹) in the distribution is:                                                                                                                                                                                            |
| Ans  | <div>1. 401</div> <div>2. 342</div> <div>3. 323</div> <div>4. 331</div>                                                                                                                                                                                                                                                                                            |
| Q.34 | The sum of five numbers is 655. The average of the first two numbers is 78 and the third number is 126. Find the average of the remaining two numbers?                                                                                                                                                                                                             |
| Ans  | <div>1. 205</div> <div>2. 204</div> <div>3. 186.5</div> <div>4. 187.5</div>                                                                                                                                                                                                                                                                                        |

Q.35

- Ans
1. 0.4579

2. 0.4379

3. 0.4679

4. 0.4479

Section : General Intelligence and Reasoning

Q.36 Select the triad that follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.  
TU : UV : VW  
AD : BE : CF

- Ans
1. TR : US : VT

2. RE : SF : UG

3. UE : VF : FW

4. PW : QX : SZ

Q.37 In a certain code language, 'PREY' is coded as '4628' and 'RANK' is coded as '5417'. What is the code for 'R' in the given code language?

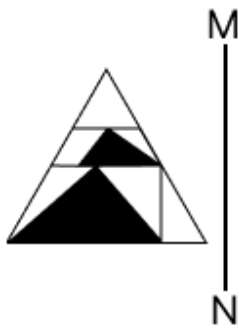
- Ans
1. 6

2. 4

3. 7

4. 5

Q.38 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



Ans

1.



2.



3.



4.



Q.39 Raman starts from Point A and drives 25 km towards the south. He then takes a right turn, drives 26 km, turns right and drives 28 km. He then takes a right turn and drives 35 km. He takes a final right 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° turns only unless specified.)

Ans

- 1. 10 km to the west
- 2. 9 km to the west
- 3. 5 km to the east
- 4. 1km to the east

Q.40 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) 9 % 1 2 & @ 3 # 7 & 8 Ω 6 \$ 5 \* 4 £ (Right)

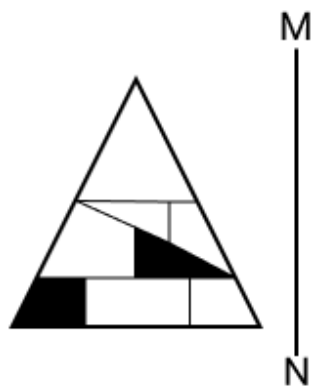
How many such symbols are there each of which is immediately preceded by an odd number but not immediately followed by an even number?

Ans

- 1. None
- 2. Two
- 3. One
- 4. Three

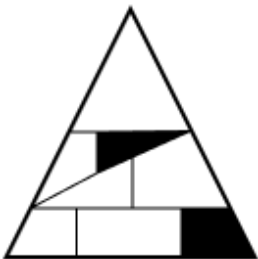
|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| Q.41 | <p>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.</p> <p>Statements:<br/>Some ships are cars.<br/>Some bikes are ships.<br/>All cars are fans.</p> <p>Conclusions:<br/>I. All ships are fans.<br/>II. Some fans are bikes.</p> |
| Ans  | <div><div>1. Both conclusions I and II follow</div><div>2. Only conclusion II follows</div><div>3. Only conclusion I follows</div><div>4. Neither conclusion I nor II follows</div></div>                                                                                                                                                                                                                                                          |
| Q.42 | <p>Each vowel in the word ENGLISH is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will appear exactly twice in the group of letters thus formed?</p>                                                                                                                    |
| Ans  | <div><div>1. F</div><div>2. K</div><div>3. J</div><div>4. M</div></div>                                                                                                                                                                                                                                                                                                                                                                            |
| Q.43 | <p>In a certain code language, 'HIDE' is coded as '5691' and 'DICE' is coded as '6715'. What is the code for 'C' in the given code language?</p>                                                                                                                                                                                                                                                                                                   |
| Ans  | <div><div>1. 1</div><div>2. 6</div><div>3. 5</div><div>4. 7</div></div>                                                                                                                                                                                                                                                                                                                                                                            |
| Q.44 | <p>Mr. W starts from Point A and drives 5 km towards the south. He then takes a left turn, drives 6 km, turns left and drives 7 km. He then takes a left turn and drives 8 km. He takes a final left turn, drives 2 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.)</p>                                         |
| Ans  | <div><div>1. 6 km towards the west</div><div>2. 2 km towards the south</div><div>3. 2 km towards the east</div><div>4. 5 km towards the north</div></div>                                                                                                                                                                                                                                                                                          |
| Q.45 | <p>Six people, A, B, C, D, E and F are sitting in a row, facing north. D sits to the immediate left of E. C sits third to the left of F. E is an immediate neighbour of C. B sits second to the right of C. A sits to the immediate left of B. Who sits at the extreme right end of the line?</p>                                                                                                                                                  |
| Ans  | <div><div>1. B</div><div>2. E</div><div>3. A</div><div>4. F</div></div>                                                                                                                                                                                                                                                                                                                                                                            |
| Q.46 | <p>What should come in place of the question mark (?) in the given series?</p> <p>132 185 238 ? 344 397</p>                                                                                                                                                                                                                                                                                                                                        |
| Ans  | <div><div>1. 284</div><div>2. 302</div><div>3. 275</div><div>4. 291</div></div>                                                                                                                                                                                                                                                                                                                                                                    |

Q.47

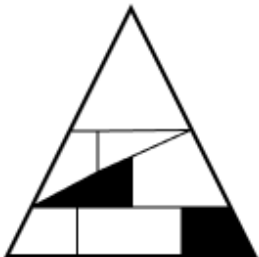


Ans

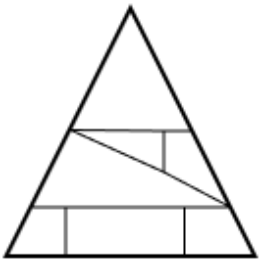
1.



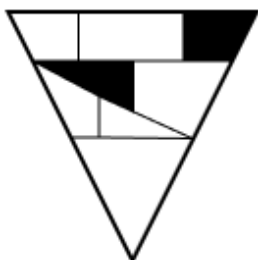
2.



3.



4.



Q.48 In a certain code language,  
A + B means 'A is the son of B'  
A – B means 'A is the brother of B'  
A × B means 'A is the mother of B'  
A ÷ B means 'A is the daughter of B'

Based on the above, how is P related to T if 'P × Q + R – S ÷ T'?

Ans

- 1. Grand daughter
- 2. Sister
- 3. Mother
- 4. Daughter-in-law

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| Q.49 | <p>What should come in place of the question mark (?) in the given series based on the English alphabetical order?</p> <p>ZSV XQT VOR TMP ?</p>                                                                                                                             |
| Ans  | <p>1. RLN</p> <p>2. RKM</p> <p>3. RKN</p> <p>4. RLM</p>                                                                                                                                                                                                                     |
| Q.50 | <p>In a certain code language,<br/>A &amp; B means ‘A is the brother of B’<br/>A # B means ‘A is the wife of B’<br/>A : B means ‘A is the son of B’<br/>A ÷ B means ‘A is the father of B’</p> <p>Based on the above, how is F related to V if 'F &amp; G # H : U ÷ V’?</p> |
| Ans  | <p>1. Son's wife's sister</p> <p>2. Son's wife's mother</p> <p>3. Brother's wife's brother</p> <p>4. Bother's wife's father</p>                                                                                                                                             |
| Q.51 | <p>In a row of 21 students facing North, Samdup is 5<sup>th</sup> from the right end. If Jigmee is 9<sup>th</sup> to the left of Samdup, what is Jigmee’s position from the left end of the line?</p>                                                                       |
| Ans  | <p>1. 6<sup>th</sup></p> <p>2. 7<sup>th</sup></p> <p>3. 8<sup>th</sup></p> <p>4. 5<sup>th</sup></p>                                                                                                                                                                         |
| Q.52 | <p>Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.</p> <p>LIO - MJP<br/>DFR - EGS</p>                                                                                                      |
| Ans  | <p>1. BHU - CJY</p> <p>2. XUI - YVG</p> <p>3. JMI - KNJ</p> <p>4. SER - TFT</p>                                                                                                                                                                                             |
| Q.53 | <p>What should come in place of the question mark (?) in the given series?</p> <p>120 126 144 180 240 ?</p>                                                                                                                                                                 |
| Ans  | <p>1. 330</p> <p>2. 340</p> <p>3. 350</p> <p>4. 320</p>                                                                                                                                                                                                                     |
| Q.54 | <p>What should come in place of the question mark (?) in the given series?</p> <p>5 7 11 17 25 ?</p>                                                                                                                                                                        |
| Ans  | <p>1. 35</p> <p>2. 39</p> <p>3. 37</p> <p>4. 36</p>                                                                                                                                                                                                                         |

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| Q.55 | <p>What should come in place of the question mark (?) in the given series based on the English alphabetical order?</p> <p>AWN XBK UGH RLE ?</p>                                                                                                                                                                                                                                                                                                                                         |
| Ans  | <div>1. PQA</div> <div>2. NPB</div> <div>3. NRC</div> <div>4. QQB</div>                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Q.56 | <p>Select the set in which the numbers are related in the same way as are the numbers of the following sets.</p> <p>(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.)</p> <p>(5, 8, 15)<br/>(12, 17, 31)</p> |
| Ans  | <div>1. (23, 31, 56)</div> <div>2. (19, 12, 75)</div> <div>3. (24, 18, 35)</div> <div>4. (16, 32, 64)</div>                                                                                                                                                                                                                                                                                                                                                                             |
| Q.57 | <p>Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.</p> <p>ITK : NYP<br/>BJL : GOQ</p>                                                                                                                                                                                                                                                                                                                  |
| Ans  | <div>1. KHL : PNQ</div> <div>2. SAP : XFU</div> <div>3. SEP : YJT</div> <div>4. DIG : IOK</div>                                                                                                                                                                                                                                                                                                                                                                                         |
| Q.58 | <p>Each of D, E, T, A, I, L and S has an interview on a different day of a week, starting from Monday and ending on Sunday of the same week. Only three people have an interview between T and S. S has an interview on the last day of the week. D has an interview on the second day after A. I has an interview immediately the day before L. E doesn't have an interview on Friday. How many people have an interview before E?</p>                                                 |
| Ans  | <div>1. Zero</div> <div>2. Two</div> <div>3. One</div> <div>4. Three</div>                                                                                                                                                                                                                                                                                                                                                                                                              |
| Q.59 | <p>Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?</p> <p>TQ 30, AO 60, HM 120, OK 240, ?</p>                                                                                                                                                                                                                                                                                                       |
| Ans  | <div>1. UI 420</div> <div>2. UI 480</div> <div>3. VI 420</div> <div>4. VI 480</div>                                                                                                                                                                                                                                                                                                                                                                                                     |

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| Q.60 | <p>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?<br/>(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)</p>                                                                                                                                    |
| Ans  | <div>1. LS-TY</div> <div>2. EL-MV</div> <div>3. OV-WF</div> <div>4. CJ-KT</div>                                                                                                                                                                                                                                                                                                                                                                                     |
| Q.61 | <p>What will be the value of the following expression, if the ‘–’ and ‘÷’ signs are interchanged?<br/><math>12 - 6 \times 4 \div 1 + 1 \times 7 + 2 \div 8</math></p>                                                                                                                                                                                                                                                                                               |
| Ans  | <div>1. 3</div> <div>2. 11</div> <div>3. 6</div> <div>4. 8</div>                                                                                                                                                                                                                                                                                                                                                                                                    |
| Q.62 | <p>Refer to the following number and symbol series and answer the question that follows.<br/>Counting to be done from left to right only.</p> <p>(Left) 1 % 9 &amp; # # 5 &lt; 5 6 7 &gt; 7 + 6 &lt; % / % 6 \ (Right)</p> <p>How many such numbers are there each of which is immediately preceded by another number and also immediately followed by a symbol?</p>                                                                                                |
| Ans  | <div>1. Two</div> <div>2. Three</div> <div>3. One</div> <div>4. Four</div>                                                                                                                                                                                                                                                                                                                                                                                          |
| Q.63 | <p>In a certain code language, ‘all teachers are God’ is written as ‘to th po in’ and ‘God is everywhere’ is coded as ‘tr tt th’. How is ‘God’ coded in the given language?</p>                                                                                                                                                                                                                                                                                     |
| Ans  | <div>1. to</div> <div>2. tt</div> <div>3. th</div> <div>4. tr</div>                                                                                                                                                                                                                                                                                                                                                                                                 |
| Q.64 | <p>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.</p> <p>Statements:<br/>No peanuts are sparrows.<br/>All ants are sparrows.<br/>All horses are sparrows.</p> <p>Conclusions:<br/>(I) Some horses are ants.<br/>(II) No peanuts are ants.</p> |
| Ans  | <div>1. Only conclusion (I) follows.</div> <div>2. Neither conclusion (I) nor (II) follows.</div> <div>3. Both conclusions (I) and (II) follow.</div> <div>4. Only conclusion (II) follows.</div>                                                                                                                                                                                                                                                                   |

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|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Q.65 | Seven friends C, D, E, P, Q, R and S are sitting in a straight line facing north. Only two people sit to the left of Q. Only three people sit between Q and D. E sits second to the right of Q. Only two people sit between E and C. R sits at some place to the right of S but at some place to the left of P. How many people sit to the right of R?                                                                       |
| Ans  | <div>1. Two</div> <div>2. Three</div> <div>3. None</div> <div>4. One</div>                                                                                                                                                                                                                                                                                                                                                   |
| Q.66 | If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 5143786, how many digits will appear more than once in the new number thus formed?                                                                                                                                                                                                                                                    |
| Ans  | <div>1. Two</div> <div>2. None</div> <div>3. One</div> <div>4. Three</div>                                                                                                                                                                                                                                                                                                                                                   |
| Q.67 | 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?<br>(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)                                                                                                               |
| Ans  | <div>1. ZFL</div> <div>2. AGY</div> <div>3. UAG</div> <div>4. PVB</div>                                                                                                                                                                                                                                                                                                                                                      |
| Q.68 | Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only and counting to be done from left to right only).<br><br>(Left) 5 8 7 5 6 9 9 3 1 3 2 9 4 7 2 4 6 5 8 8 7 9 3 (Right)<br><br>How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an even digit?                                  |
| Ans  | <div>1. Two</div> <div>2. Three</div> <div>3. None</div> <div>4. One</div>                                                                                                                                                                                                                                                                                                                                                   |
| Q.69 | 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.<br>Statements:<br>Some apples are oranges.<br>Some oranges are bananas.<br>Conclusions:<br>(I): No banana is an orange.<br>(II): Some apples are bananas. |
| Ans  | <div>1. Both conclusions (I) and (II) follow.</div> <div>2. Only conclusion (I) follows.</div> <div>3. Neither conclusion (I) nor (II) follows.</div> <div>4. Only conclusion (II) follows.</div>                                                                                                                                                                                                                            |

Q.70

What will come in place of the question mark (?) in the following equation if ‘+’ and ‘÷’ are interchanged and ‘×’ and ‘−’ are interchanged?

6 − 9 ÷ 16 + 8 × 10 = ?

Ans

1. 42

2. 38

3. 46

4. 54

Section : General Awareness

Q.71

How many Technology Transfer Agreements (TTAs) were signed by ISRO, IN-SPACe, and NSIL in September 2024 with non-governmental entities, enabling private companies to access ISRO's technologies for commercial use in various sectors?

Ans

1. 50

2. 75

3. 85

4. 25

Q.72

Which is the largest river that flows through the Great Indian Desert?

Ans

1. Ken

2. Yamuna

3. Son

4. Luni

Q.73

As per the Calcutta High Court (Extension of Jurisdiction) Act, 1953, the jurisdiction of the Calcutta High Court was extended to cover which of the following areas?

Ans

1. The state of Sikkim

2. Dadra and Nagar Haveli, and Daman and Diu

3. Union Territory Lakshadweep and Puducherry

4. Chandannagar, and Andaman and Nicobar Islands

Q.74

Which of the following do NOT participate in the election of the President of India?

Ans

1. Elected members of the Legislative Assemblies of Delhi and Puducherry

2. Nominated members of both Houses of Parliament and Members of Jammu and Kashmir Legislative Assembly

3. Elected members of both Houses of Parliament

4. Elected members of the Legislative Assemblies of states

Q.75

When was the 20-year road plan introduced in Independent India?

Ans

1. 1952

2. 1975

3. 1961

4. 1965

Q.76

Who among the following appoints the Speaker Pro Tem of the Lok Sabha?

Ans

1. The Speaker of the previous Lok Sabha

2. The Vice President

3. The Prime Minister

4. The President

|      |                                                                                                                                                                                                       |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Q.77 | The Eastern Ghats are part of which physical feature of the Indian Peninsular Plateau?                                                                                                                |
| Ans  | <div><div>1. Coastal Plains</div><div>2. Plateau</div><div>3. Mountain Ranges</div><div>4. Desert Regions</div></div>                                                                                 |
| Q.78 | In September 2024, the Finance Minister of India launched which new pension scheme designed specifically for minors?                                                                                  |
| Ans  | <div><div>1. Atal Pension Yojana</div><div>2. NPS Vatsalya</div><div>3. Sishu Pension Yojana</div><div>4. PM Vaya Vandana Yojana</div></div>                                                          |
| Q.79 | A light wave has a wavelength of 300 nm in vacuum. What is the wavelength of the light as it travels through Benzene (refractive index = 1.50)?                                                       |
| Ans  | <div><div>1. 450 nm</div><div>2. 300 nm</div><div>3. 500 nm</div><div>4. 200 nm</div></div>                                                                                                           |
| Q.80 | ‘A Meeting by the River’ is a music album by which Indian musician, for which he won the Grammy for Best World Music Album in 1993?                                                                   |
| Ans  | <div><div>1. Pandit Vishwa Mohan Bhatt</div><div>2. Pandit Shivkumar Sharma</div><div>3. Pandit Hariprasad Chaurasia</div><div>4. Pandit Ravi Shankar</div></div>                                     |
| Q.81 | The DPT vaccine is given to infants as part of their immunisation schedule. What is the full form of DPT?                                                                                             |
| Ans  | <div><div>1. Diphtheria, Pneumonia and Tetanus</div><div>2. Diphtheria, Polio and Tetanus</div><div>3. Diphtheria, Pancreatitis and Tetanus</div><div>4. Diphtheria, Pertusis and Tetanus</div></div> |
| Q.82 | Which of the following is India's first atomic power station?                                                                                                                                         |
| Ans  | <div><div>1. Tarapur</div><div>2. Kudankulam</div><div>3. Kakrapar</div><div>4. Kaiga</div></div>                                                                                                     |
| Q.83 | In Equestrian, who has become the first Indian rider to win a three-star Grand Prix event held at Lipica, Slovenia in June 2024?                                                                      |
| Ans  | <div><div>1. Shruti Vora</div><div>2. Fouaad Mirza</div><div>3. Anush Agarwalla</div><div>4. Imtiaz Anees</div></div>                                                                                 |
| Q.84 | Known as the 'Dakshin Ganga', which river is the largest river system in Peninsular India?                                                                                                            |
| Ans  | <div><div>1. Kaveri</div><div>2. Krishna</div><div>3. Mahanadi</div><div>4. Godavari</div></div>                                                                                                      |

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| Q.85 | Which crop was NOT a major cash crop cultivated in India at the time of independence?                                                                                                                                                      |
| Ans  | <div><div>1. Wheat</div><div>2. Sugarcane</div><div>3. Jute</div><div>4. Cotton</div></div>                                                                                                                                                |
| Q.86 | In October 2024, the Union Cabinet (of India) approved an increase of _____ in Dearness Allowance (DA) for central government employees and Dearness Relief (DR) for pensioners, effective July 1, 2024.                                   |
| Ans  | <div><div>1. 3%</div><div>2. 8%</div><div>3. 5%</div><div>4. 6%</div></div>                                                                                                                                                                |
| Q.87 | In the Nagara style of North India, it is common for an entire temple to be built on a _____ platform with steps leading up to it.                                                                                                         |
| Ans  | <div><div>1. bricks</div><div>2. stone</div><div>3. wood</div><div>4. iron</div></div>                                                                                                                                                     |
| Q.88 | Which Article of the Indian Constitution establishes the Finance Commission as a constitutional body?                                                                                                                                      |
| Ans  | <div><div>1. Article 275</div><div>2. Article 110</div><div>3. Article 324</div><div>4. Article 280</div></div>                                                                                                                            |
| Q.89 | Which of the following characteristics corresponding to plant functions is true for angiosperms?                                                                                                                                           |
| Ans  | <div><div>1. They lack vascular tissue for nutrient transport.</div><div>2. They produce seeds enclosed within fruits.</div><div>3. They reproduce using spores.</div><div>4. They predominantly rely on wind for pollination.</div></div> |
| Q.90 | Which of the following was the immediate cause of the Revolt of 1857?                                                                                                                                                                      |
| Ans  | <div><div>1. Spreading Western Civilisation</div><div>2. Doctrine of Lapse</div><div>3. Introduction of the Enfield Rifle</div><div>4. Introduction of Railways and Telegraph</div></div>                                                  |
| Q.91 | Which financial institution received the 'Best Conduct of Business Regulator' award in Asia-Pacific at the Asian Banker Awards in June 2024?                                                                                               |
| Ans  | <div><div>1. IFCI</div><div>2. SEBI</div><div>3. IIBI</div><div>4. IDBI</div></div>                                                                                                                                                        |

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| Q.92 | What is human development?                                                                                                                                                                                                                                                                                                |
| Ans  | <div><div>1. Increasing population growth</div><div>2. Development of machines</div><div>3. Improving the quality of life, education and health of people</div><div>4. Industrial growth</div></div>                                                                                                                      |
| Q.93 | How many books does Abhidhamma Pitaka consist of?                                                                                                                                                                                                                                                                         |
| Ans  | <div><div>1. Nine</div><div>2. Five</div><div>3. Eleven</div><div>4. Seven</div></div>                                                                                                                                                                                                                                    |
| Q.94 | The 14 <sup>th</sup> Hockey India Junior Women National Championship was held in which place in October 2024?                                                                                                                                                                                                             |
| Ans  | <div><div>1. Bhubaneswar</div><div>2. Hyderabad</div><div>3. Ranchi</div><div>4. Cuttack</div></div>                                                                                                                                                                                                                      |
| Q.95 | In India's parliamentary system of government, the Prime Minister is regarded as the:                                                                                                                                                                                                                                     |
| Ans  | <div><div>1. Nominal executive authority</div><div>2. Ceremonial head of state</div><div>3. Head of the judiciary</div><div>4. De facto executive authority</div></div>                                                                                                                                                   |
| Q.96 | The Harappa site of the Indus Valley Civilisation was discovered in which year?                                                                                                                                                                                                                                           |
| Ans  | <div><div>1. 1939</div><div>2. 1921</div><div>3. 1967</div><div>4. 1821</div></div>                                                                                                                                                                                                                                       |
| Q.97 | What was the primary reason for the slow growth of the secondary sector in India before 1991?                                                                                                                                                                                                                             |
| Ans  | <div><div>1. Lack of raw materials</div><div>2. Heavy government regulations and licensing policies</div><div>3. Excessive private sector competition</div><div>4. Limited demand for industrial goods</div></div>                                                                                                        |
| Q.98 | What was the purpose of declaring 14 April as World Quantum Day?                                                                                                                                                                                                                                                          |
| Ans  | <div><div>1. To commemorate advancements in quantum mechanics and applications</div><div>2. To celebrate quantum breakthroughs in communication systems</div><div>3. To encourage international collaborations in quantum research</div><div>4. To promote global awareness of quantum science and technology</div></div> |
| Q.99 | What was the primary aim of the Industrial Policy Resolution of 1956?                                                                                                                                                                                                                                                     |
| Ans  | <div><div>1. To promote free trade</div><div>2. To prioritise the IT sector</div><div>3. To establish a socialist pattern of society</div><div>4. To increase private investment in all sectors</div></div>                                                                                                               |

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| Q.100 | Maulana Abul Kalam Azad, a supporter of Hindu-Muslim unity, became the _____ in the first cabinet of independent India.                                                                                                                                                                                                                                                    |
| Ans   | <div><div>1. Law Minister</div><div>2. Education Minister</div><div>3. Finance Minister</div><div>4. Defense Minister</div></div>                                                                                                                                                                                                                                          |
| Q.101 | Who looked after markets and checked wrong practices in the Maurya empire?                                                                                                                                                                                                                                                                                                 |
| Ans   | <div><div>1. Samsthadhyaksha</div><div>2. Annapala</div><div>3. Durgapala</div><div>4. Rajjukas</div></div>                                                                                                                                                                                                                                                                |
| Q.102 | From what period did the Congress become more openly associated with Hindu religious nationalist groups, such as the Hindu Mahasabha?                                                                                                                                                                                                                                      |
| Ans   | <div><div>1. Mid-1920s</div><div>2. Mid-1930s</div><div>3. Mid-1950s</div><div>4. Mid-1940s</div></div>                                                                                                                                                                                                                                                                    |
| Q.103 | Which of the following statements about the resistivity of metals is INCORRECT?                                                                                                                                                                                                                                                                                            |
| Ans   | <div><div>1. Resistivity is inversely proportional to the cross-sectional area of the metal.</div><div>2. Resistivity is inversely proportional to the number density of electrons.</div><div>3. Resistivity is directly proportional to the mass of the electron.</div><div>4. Resistivity is inversely proportional to the relaxation time of the electrons.</div></div> |
| Q.104 | According to Section 22C(1) of the Legal Services Authorities Act, 1987, Permanent Lok Adalats DO NOT have jurisdiction over disputes related to:                                                                                                                                                                                                                          |
| Ans   | <div><div>1. civil disputes</div><div>2. non-compoundable offences</div><div>3. compoundable offenses</div><div>4. public utility services</div></div>                                                                                                                                                                                                                     |
| Q.105 | Which of the following Constitutional Amendment Acts had added the Ninth Schedule to the Indian Constitution?                                                                                                                                                                                                                                                              |
| Ans   | <div><div>1. Ninth Constitutional Amendment Act</div><div>2. Fifth Constitutional Amendment Act</div><div>3. Fourth Constitutional Amendment Act</div><div>4. First Constitutional Amendment Act</div></div>                                                                                                                                                               |
| Q.106 | What percentage of Earth's total land area does India occupy?                                                                                                                                                                                                                                                                                                              |
| Ans   | <div><div>1. 4.2%</div><div>2. 2.4%</div><div>3. 1.2%</div><div>4. 3.6%</div></div>                                                                                                                                                                                                                                                                                        |
| Q.107 | In September 2024, who among the following became the first woman from Pakistan to be nominated for the ICC International Panel of development umpires?                                                                                                                                                                                                                    |
| Ans   | <div><div>1. Kainat Imtiaz</div><div>2. Saleema Imtiaz</div><div>3. Diana Baig</div><div>4. Gull Feroza</div></div>                                                                                                                                                                                                                                                        |

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| Q.108 | What was the net profit reported by SBI for Q3 FY24?                                                                                                                         |
| Ans   | <div><div>1. ₹14,330 crore</div><div>2. ₹14,205 crore</div><div>3. ₹9,164 crore</div><div>4. ₹7,100 crore</div></div>                                                        |
| Q.109 | State Bank of India raised ₹5,000 crore through additional tier-I (AT-I) bonds at a _____ coupon rate in October 2024.                                                       |
| Ans   | <div><div>1. 6.13%</div><div>2. 7.98%</div><div>3. 5.01%</div><div>4. 9.45%</div></div>                                                                                      |
| Q.110 | The National Heritage City Development and Augmentation Yojana (HRIDAY), a central sector scheme launched on 21 <sup>st</sup> January 2015, was implemented in _____ cities. |
| Ans   | <div><div>1. 12</div><div>2. 10</div><div>3. 14</div><div>4. 20</div></div>                                                                                                  |
| Q.111 | The Pradhan Mantri Grammen Sadak Yojana was launched in the year _____.                                                                                                      |
| Ans   | <div><div>1. 2005</div><div>2. 2010</div><div>3. 2000</div><div>4. 1995</div></div>                                                                                          |
| Q.112 | In July 2024, the Maharashtra government launched which stipend scheme aimed at supporting the youth?                                                                        |
| Ans   | <div><div>1. Bal Vikas Yojana</div><div>2. Mukhyamantri Yuva Sahayta Yojana</div><div>3. Shiksha Kalyan Yojana</div><div>4. Ladka Bhau Yojana</div></div>                    |
| Q.113 | Which of the following debuted the first-ever generative AI-inspired trophy at the Formula 1 Canadian Grand Prix 2024, in June 2024?                                         |
| Ans   | <div><div>1. Restful Web Services</div><div>2. Amazon Web Services</div><div>3. Soap Web Services</div><div>4. Reliance Web Services</div></div>                             |
| Q.114 | What was the main slogan for the Extremists' economic policy?                                                                                                                |
| Ans   | <div><div>1. Swadeshi</div><div>2. Swaraj</div><div>3. Self-governance</div><div>4. Quit India</div></div>                                                                   |
| Q.115 | The 'Toda' tribe is known for its distinct culture and is mainly found in which region?                                                                                      |
| Ans   | <div><div>1. Tamil Nadu</div><div>2. Madhya Pradesh</div><div>3. Maharashtra</div><div>4. Odisha</div></div>                                                                 |

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| Q.116 | The government allocated ₹1.48 lakh crore in the 2024 Budget for which purpose?                                                                                                                                                                                                     |
| Ans   | <div><div>1. Education</div><div>2. Defense</div><div>3. Employment and skill development</div><div>4. Healthcare</div></div>                                                                                                                                                       |
| Q.117 | What was the main focus of the review meeting of the Regional Rural Banks (RRBs) in New Delhi in August 2024?                                                                                                                                                                       |
| Ans   | <div><div>1. To double the total number of RRBs by 2028</div><div>2. To accelerate the participation in stock market</div><div>3. To double the RRBs' employees by 2030</div><div>4. To upgrade digital technology services and foster business growth in MSME clusters</div></div> |
| Q.118 | The Agra Fort is primarily made of which of the following materials?                                                                                                                                                                                                                |
| Ans   | <div><div>1. Red bricks</div><div>2. Red sandstone</div><div>3. White sandstone</div><div>4. White marble</div></div>                                                                                                                                                               |
| Q.119 | DNA is a molecule that holds the genetic information in the cells of living organisms. DNA stands for ____.                                                                                                                                                                         |
| Ans   | <div><div>1. Disulphate Nitric Acid</div><div>2. Deoxyribonucleic Acid</div><div>3. Dinitric Acid</div><div>4. Dioxide Nitrogen Acetate</div></div>                                                                                                                                 |
| Q.120 | Which of the following events shook the foundation of British rule in India and led to the end of the East India Company's rule?                                                                                                                                                    |
| Ans   | <div><div>1. The 1857 Revolt</div><div>2. Battel of Plassey</div><div>3. Battel of Banaras</div><div>4. Battel of Buxar</div></div>                                                                                                                                                 |