



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



Exam Date	11/03/2025
Centre Name	iON Digital Zone iDZ Coimbatore II
Exam Time	12:30 PM - 2:00 PM

* 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 The number 56890065 is completely divisible by only:

- Ans ☒ 1. 9
☒ 2. 3
☒ 3. 11 and 4
☒ 4. 6 and 7

Q.2 2% of 7% of a number is what percentage of that number?

- Ans ☒ 1. 0.14
☒ 2. 0.014
☒ 3. 9
☒ 4. 14

Q.3 The ratio of three numbers is 5 : 7 : 9 and their LCM is 2835. Find the sum of the greater number and the difference between the first two numbers.

- Ans ☒ 1. 88
☒ 2. 85
☒ 3. 99
☒ 4. 80

Q.4 Simplify the following.

$$168 \div 24 \times \frac{1}{2} + \frac{3}{5} \times 4\frac{1}{3}$$

- Ans ☒ 1. 7.2
☒ 2. 8.3
☒ 3. 9.4
☒ 4. 6.1

Q.5 The difference between the compound interest and simple interest for the sum of ₹5,000 at 10% per annum for two years is:

- Ans ☒ 1. ₹52
☒ 2. ₹49
☒ 3. ₹53
☒ 4. ₹50

Q.6	Two banks, A and B, offered loans at 3.5% and 6% per annum, respectively. Gopal borrowed an amount of ₹440000 from each bank. Find the positive difference between the amounts of simple interest paid to the two banks by Gopal after 2 years.
Ans	<div><div><input checked="" type="checkbox"/></div>1. 22000</div> <div><div><input type="checkbox"/></div>2. 21500</div> <div><div><input type="checkbox"/></div>3. 23500</div> <div><div><input type="checkbox"/></div>4. 23000</div>
Q.7	There are 7847 students in a school and the ratio of boys to girls in the school is 42 : 17, then find the number of boys in school.
Ans	<div><div><input type="checkbox"/></div>1. 5578</div> <div><div><input type="checkbox"/></div>2. 5594</div> <div><div><input checked="" type="checkbox"/></div>3. 5586</div> <div><div><input type="checkbox"/></div>4. 5600</div>
Q.8	What is the least number which when divided by 7, 14, 18 and 24 leaves remainder 6 in each case?
Ans	<div><div><input checked="" type="checkbox"/></div>1. 510</div> <div><div><input type="checkbox"/></div>2. 498</div> <div><div><input type="checkbox"/></div>3. 512</div> <div><div><input type="checkbox"/></div>4. 504</div>
Q.9	Calculate the loss percentage (correct up to two decimals) if Moni had a loss of ₹250 and her product was sold at ₹100.
Ans	<div><div><input type="checkbox"/></div>1. 72.53%</div> <div><div><input checked="" type="checkbox"/></div>2. 71.43%</div> <div><div><input type="checkbox"/></div>3. 68.33%</div> <div><div><input type="checkbox"/></div>4. 67.23%</div>
Q.10	In what ratio must water be mixed with milk to gain 15% by selling the mixture at cost price?
Ans	<div><div><input type="checkbox"/></div>1. 3 : 17</div> <div><div><input type="checkbox"/></div>2. 20 : 3</div> <div><div><input type="checkbox"/></div>3. 17 : 3</div> <div><div><input checked="" type="checkbox"/></div>4. 3 : 20</div>
Q.11	In what ratio should sugar costing ₹48 per kg be mixed with sugar costing ₹22 per kg so that by selling the mixture at ₹40.6 per kg, there is a profit of 16%?
Ans	<div><div><input type="checkbox"/></div>1. 15 : 11</div> <div><div><input checked="" type="checkbox"/></div>2. 13 : 13</div> <div><div><input type="checkbox"/></div>3. 14 : 15</div> <div><div><input type="checkbox"/></div>4. 15 : 14</div>
Q.12	A trader offers several discount schemes. Choose the scheme that provides the lowest selling price from the following options.
Ans	<div><div><input type="checkbox"/></div>1. A single discount of 72%</div> <div><div><input type="checkbox"/></div>2. Buy one, get one free</div> <div><div><input checked="" type="checkbox"/></div>3. Buy one, get three free</div> <div><div><input type="checkbox"/></div>4. Buy two, get five free</div>

Q.13 Find the value of $\left(\frac{1}{4}\right)^{-2} + \left(\frac{1}{6}\right)^{-2} + \left(\frac{1}{2}\right)^{-2}$.

- Ans
- ☐ 1. 60
 - ☐ 2. 54
 - ☐ 3. 61
 - ☒ 4. 56

Q.14 The average of first 129 even numbers is

- Ans
- ☐ 1. 131
 - ☒ 2. 130
 - ☐ 3. 130.5
 - ☐ 4. 129.5

Q.15 Find the value of $\left[\left(\frac{3}{2}\right)^{-9} \times \left(\frac{2}{3}\right)^{-6} \times \left(\frac{1}{4}\right)^{-3}\right]^{-7}$

- Ans
- ☐ 1. $\left(\frac{5}{8}\right)^{20}$
 - ☐ 2. $\left(\frac{3}{18}\right)^{21}$
 - ☐ 3. $\left(\frac{8}{3}\right)^{23}$
 - ☒ 4. $\left(\frac{3}{8}\right)^{21}$

Q.16 The sum of five numbers is 655. The average of the first two numbers is 78 and the third number is 108. Find the average of the remaining two numbers?

- Ans
- ☒ 1. 195.5
 - ☐ 2. 187
 - ☐ 3. 196.5
 - ☐ 4. 186

Q.17 A car travels 106 km in the first hour and 276 km in the second hour. What is the average speed (in km/h) of the car for the whole journey?

- Ans
- ☐ 1. 194
 - ☒ 2. 191
 - ☐ 3. 183
 - ☐ 4. 189

Q.18 The average of the marks of 15 students in a class is 41. If the marks of each student are doubled, find the new average?

- Ans
- ☐ 1. 30
 - ☐ 2. 41
 - ☐ 3. 15
 - ☒ 4. 82

Q.19 Ira has to reach Nagpur which is 744 km away in 16 hours. His starting speed for 8 hours was 34 km/hr. For the next 87 km his speed was 29km/hr. By what speed he must travel now so as to reach Nagpur in decided time of 16hours?

- Ans
- ☒ 1. 83 km/hr
 - ☒ 2. 79 km/hr
 - ☒ 3. 77 km/hr
 - ☒ 4. 74 km/hr

Q.20 The value of $\left(\frac{15625}{49}\right)^{-\left(\frac{3}{2}\right)} \times \left(\frac{5}{7}\right)^5 \div \sqrt[4]{(625)^{-3}}$ is:

- Ans
- ☒ 1. $\frac{1}{237}$
 - ☒ 2. $\frac{1}{249}$
 - ☒ 3. $\frac{1}{245}$
 - ☒ 4. $\frac{1}{233}$

Q.21 Kartar marks his goods at 36% above the cost price and allows a discount of 16%. What is his gain percentage?

- Ans
- ☒ 1. 14.6%
 - ☒ 2. 13.6%
 - ☒ 3. 13.24%
 - ☒ 4. 14.24%

Q.22 Aarti and Rita can do a job in 8 hours and 12 hours, respectively. In how many hours can both do the job together?

- Ans
- ☒ 1. 4.2 hours
 - ☒ 2. 4.8 hours
 - ☒ 3. 4.6 hours
 - ☒ 4. 4.4 hours

Q.23 The ages of Himani and Pushpraj are in the ratio of 8 : 5 respectively. After 9 years the ratio of their ages will be 3 : 2. What is the difference in their present ages?

- Ans
- ☒ 1. 27
 - ☒ 2. 15
 - ☒ 3. 34
 - ☒ 4. 16

Q.24 Simplify: $\left[\frac{1}{5} \text{ of } (5 \times 7 - 5) + 20 \div 5\right] \div \left[\frac{0.27}{0.03} - \{21 \div 3 + (2 - 3)\} + 5\right]$

- Ans
- ☒ 1. 1.25
 - ☒ 2. 1
 - ☒ 3. 2.5
 - ☒ 4. 2

Q.25 A bike goes 83 meters in a second. Find its speed in km/hr.

- Ans
- ☒ 1. 302.8
 - ☒ 2. 298.8
 - ☒ 3. 308.1
 - ☒ 4. 297.3

Q.26 P is the perimeter of a square and D is the diagonal of the square, choose the correct relation.

- Ans
- ☒ 1. $D = \sqrt{2}P$
 - ☒ 2. $P = 4\sqrt{2}D$
 - ☒ 3. $4P = \sqrt{2}D$
 - ☒ 4. $P = 2\sqrt{2}D$

Q.27 The monthly incomes of two friends Ashish and Kiran, are in the ratio 5 : 7 respectively and each of them saves ₹81000 every month. If the ratio of their monthly expenditure is 2 : 3, find the monthly income of Ashish(in ₹).

- Ans
- ☒ 1. 404000
 - ☒ 2. 567000
 - ☒ 3. 405000
 - ☒ 4. 406000

Q.28 The difference between the compound interest (compounded annually) and the simple interest on a certain sum at 10% per annum for 2 years is ₹547. Find the sum.

- Ans
- ☒ 1. ₹50,000
 - ☒ 2. ₹54,700
 - ☒ 3. ₹45,700
 - ☒ 4. ₹74,500

Q.29 If the diameter of the base of a cone is $\frac{75.36}{\pi}$ cm and its slant height is 88 cm, then what is the total surface area (in cm^2) of the cone?
(Use $\pi = 3.14$)

- Ans
- ☒ 1. 1884
 - ☒ 2. 5763
 - ☒ 3. 3768
 - ☒ 4. 7536

Q.30 A cylindrical rod has an outer curved surface area of 6200 cm^2 . If the length of the rod is 32 cm, then the outer radius (in cm) of the rod, correct to two places of decimal, is:

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

- Ans
- ☒ 1. 30.82
 - ☒ 2. 30.31
 - ☒ 3. 29.64
 - ☒ 4. 32.46

Q.31 Anjali can do a certain piece of work in 24 days. Anjali and Ayushi can together do the same work in 13 days, and Anjali, Ayushi and Ankita can do the same work together in 8 days. In how many days can Anjali and Ankita do the same work?

- Ans
- ☐ 1. $\frac{72}{9}$
 - ☐ 2. $\frac{84}{8}$
 - ☐ 3. $\frac{81}{7}$
 - ☒ 4. $\frac{78}{7}$

Q.32 A sold an article to B at 12% profit and B sold it to C at 8% loss. If A sold it to C at the selling price of B, then find the profit or loss percentage that A would make.

- Ans
- ☒ 1. 3.04% Profit
 - ☐ 2. 3.04% Loss
 - ☐ 3. 2.15% Profit
 - ☐ 4. 2.15% Loss

Q.33 Arun can do a piece of work in 8 hours. Mahesh can do it in 4 hours. With the assistance of Vijay, they completed the work in 2 hours. In how many hours can Vijay alone do it?

- Ans
- ☐ 1. 7
 - ☐ 2. 9
 - ☐ 3. 10
 - ☒ 4. 8

Q.34 A number, 45000, is increased successively by 20% and 25%. Find the overall increase in percentage.

- Ans
- ☐ 1. 45%
 - ☐ 2. 22.5%
 - ☐ 3. 47.5%
 - ☒ 4. 50%

Q.35 How many seconds will a boy take to run one complete round around a square field of side 42 metres, if he runs at a speed of 12 km/h?

- Ans
- ☐ 1. 47
 - ☐ 2. 60
 - ☒ 3. 50.4
 - ☐ 4. 48

Section : General Intelligence and Reasoning

Q.36 Mr. Maximilian starts from Point A and drives 26 km towards south. He then takes a right turn, drives 23 km, turns right and drives 32 km. He then takes a right turn and drives 31 km. He takes a final right turn, drives 6 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-degree turns only unless specified.)

- Ans
- ☐ 1. 6 km to the south
 - ☐ 2. 8 km to the east
 - ☐ 3. 6 km to the north
 - ☒ 4. 8 km to the west

Q.37 A, B, C, D, E, F and G are sitting around a circular table facing the centre. C sits second to the left of G. B sits fourth to the right of C. A sits to the immediate right of D. F sits second to the right of A. What is the position of A with respect to B?

- Ans
- ✓ 1. Second to the right
 - ✗ 2. Third to the left
 - ✗ 3. Immediate left
 - ✗ 4. Second to the left

Q.38 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.)
9 - 8 - 72
12 - 5 - 60

- Ans
- ✓ 1. 15 - 5 - 75
 - ✗ 2. 18 - 2 - 38
 - ✗ 3. 9 - 20 - 160
 - ✗ 4. 4 - 13 - 56

Q.39 In a certain code language, 'LINK' is coded as '8426' and 'NIKE' is coded as '2438'. What is the code for 'E' in the given code language?

- Ans
- ✗ 1. 4
 - ✗ 2. 2
 - ✗ 3. 8
 - ✓ 4. 3

Q.40 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. SOV
 - ✓ 2. EAG
 - ✗ 3. IEL
 - ✗ 4. NJQ

Q.41 In a certain code language, 'JUNK' is coded as '7268' and 'JUKE' is coded as '8652'. What is the code for 'E' in the given code language?

- Ans
- ✓ 1. 5
 - ✗ 2. 2
 - ✗ 3. 8
 - ✗ 4. 6

Q.42 In a certain code language,
A * B means 'A is the mother of B',
A ^ B means 'A is the wife of B',
A - B means 'A is the daughter of B' and
A ! B means 'A is the father of B'.
Based on the above, how is B related to U if 'B - C ! I * L ^ U'?

- Ans
- ✗ 1. Wife's mother's brother
 - ✗ 2. Wife's mother's son
 - ✓ 3. Wife's mother's sister
 - ✗ 4. Wife's mother's husband

Q.43 Refer to the following letter, symbol series and answer the question. Counting to be done from left to right only.
(Left) Ω 9 % 3 6 # 1 * £ 5 4 2 & @ 8 \$ 7 + (Right)
How many such symbols are there each of which is immediately preceded by another symbol and also immediately followed by a number?

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

Q.44 In a certain code language,
A @ B means 'A is the sister of B',
A & B means 'A is the brother of B',
A + B means 'A is the wife of B',
A # B means 'A is the father of B'.
Based on the above, how is S related to T if 'S & D + R # Y @ T'?

- Ans
- ☒ 1. Father
 - ☒ 2. Brother
 - ☒ 3. Mother's brother
 - ☒ 4. Mother's father

Q.45 What should come in place of the question mark (?) in the given series?
9 11 15 23 39 ?

- Ans
- ☒ 1. 61
 - ☒ 2. 81
 - ☒ 3. 91
 - ☒ 4. 71

Q.46 In a certain code language, 'doctors are like God' is coded as 'do co to ro' and 'all should respect doctors' is coded as 'ro od oc ot'.
How is 'doctors' coded in the given language?

- Ans
- ☒ 1. do
 - ☒ 2. co
 - ☒ 3. ro
 - ☒ 4. od

Q.47 CFJM is related to FIMP in a certain way based on the English alphabetical order. In the same way, DAHL is related to GDKO. To which of the given options is GJNR related, following the same logic?

- Ans
- ☒ 1. JMQU
 - ☒ 2. JGRN
 - ☒ 3. RJGN
 - ☒ 4. FIMQ

Q.48 R, A, D, I, U and S live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on, till the topmost floor is numbered 6. Only two people live between I and U. Only A lives above R. D lives on an even numbered floor. I lives on the lowermost floor. How many people live between S and A?

- Ans
- ☒ 1. Three
 - ☒ 2. One
 - ☒ 3. Four
 - ☒ 4. Two

<p>Q.49 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: All tables are chairs. All chairs are beds.</p> <p>Conclusions: (I) Some beds are tables. (II) Some chairs are tables.</p> <p>Ans <input checked="" type="checkbox"/> 1. Only conclusion (I) follows. <input checked="" type="checkbox"/> 2. Only conclusion (II) follows. <input checked="" type="checkbox"/> 3. Neither conclusion (I) nor (II) follows. <input checked="" type="checkbox"/> 4. Both conclusions (I) and (II) follow.</p>
<p>Q.50 Select the term from among the given options that can replace the question mark (?) in the following series.</p> <p>JL35 HJ47 FH59 DF71 ?</p> <p>Ans <input checked="" type="checkbox"/> 1. BE83 <input checked="" type="checkbox"/> 2. BD83 <input checked="" type="checkbox"/> 3. BE82 <input checked="" type="checkbox"/> 4. BD82</p>
<p>Q.51 Ron starts from Point A and drives 4 km towards north. He then takes a right turn, drives 5 km, turns right and drives 11 km. He then takes a right turn and drives 7 km. He takes a final right turn, drives 7 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)</p> <p>Ans <input checked="" type="checkbox"/> 1. 3 km to the east <input checked="" type="checkbox"/> 2. 1 km to the east <input checked="" type="checkbox"/> 3. 5 km to the east <input checked="" type="checkbox"/> 4. 2 km to the east</p>
<p>Q.52 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: All burgers are pears. No pear is a fan.</p> <p>Conclusions: (I): No burger is a fan. (II): Some fans are pears.</p> <p>Ans <input checked="" type="checkbox"/> 1. Only conclusion (I) follows. <input checked="" type="checkbox"/> 2. Neither conclusion (I) nor (II) follows. <input checked="" type="checkbox"/> 3. Both conclusions (I) and (II) follow. <input checked="" type="checkbox"/> 4. Only conclusion (II) follows.</p>
<p>Q.53 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 7318546, which of the following digits will be second from the left?</p> <p>Ans <input checked="" type="checkbox"/> 1. 4 <input checked="" type="checkbox"/> 2. 7 <input checked="" type="checkbox"/> 3. 5 <input checked="" type="checkbox"/> 4. 6</p>

Q.54	CRTQ is related to DTUS in a certain way based on the English alphabetical order. In the same way, PDU A is related to QFVC. To which of the given options is SHKI related, following the same logic?
Ans	<div><div>✓</div>1. TJLK</div> <div><div>✗</div>2. TJMJ</div> <div><div>✗</div>3. TILK</div> <div><div>✗</div>4. TKLJ</div>
Q.55	If 'A' stands for '+', 'B' stands for '−', 'C' stands for '×' and 'D' stands for '÷', then what will come in place of the question mark (?) in the following equation? 1 3 A 1 2 D 4 C 5 B 4 D 2 = ?
Ans	<div><div>✓</div>1. 26</div> <div><div>✗</div>2. 12</div> <div><div>✗</div>3. 19</div> <div><div>✗</div>4. 35</div>
Q.56	Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete? LOK 13, MON 12, NOQ 11, OOT 10, ?
Ans	<div><div>✓</div>1. POW 9</div> <div><div>✗</div>2. IOW 6</div> <div><div>✗</div>3. POA 9</div> <div><div>✗</div>4. IOW 7</div>
Q.57	What should come in place of the question mark (?) in the given series based on the English alphabetical order? XNJ TLI PJH ? HFF
Ans	<div><div>✗</div>1. LIH</div> <div><div>✗</div>2. KGG</div> <div><div>✗</div>3. KHG</div> <div><div>✓</div>4. LHG</div>
Q.58	Read the given statement(s) and conclusions carefully. Assuming that the information given in the statement(s) 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 statement(s). Statements: All plastics are tarpaulins. No tarpaulin is a sheet. Conclusions: (I) No plastic is a sheet. (II) Some sheets are tarpaulins.
Ans	<div><div>✓</div>1. Only conclusion (I) follows.</div> <div><div>✗</div>2. Both conclusions (I) and (II) follow.</div> <div><div>✗</div>3. Only conclusion (II) follows.</div> <div><div>✗</div>4. Neither conclusion (I) nor (II) follows.</div>

Q.59 Refer to the following number series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 5 3 1 8 4 5 7 2 4 1 8 7 6 4 7 2 9 3 5 2 5 4 1 9 7 3 6 (Right)

How many such odd digits are there each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

- Ans
1. More than three

2. Three

3. One

4. Two

Q.60 What should come in place of the question mark (?) in the given series?

126 126 181 181 236 236 ?

- Ans
1. 276

2. 291

3. 281

4. 296

Q.61 What should come in place of the question mark (?) in the given series?

152 138 125 113 102 ?

- Ans
1. 92

2. 70

3. 83

4. 76

Q.62 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.)

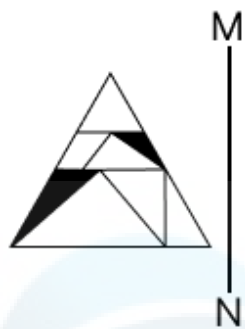
- Ans
1. QFW

2. XOF

3. NEV

4. EVM

Q.63 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.64 In a row of 54 students facing North, Hari is 19th from the left end. If Lalit is 25th to the right of Hari, what is Lalit's position from the right end of the line?

Ans

✓ 1. 11th

✗ 2. 12th

✗ 3. 10th

✗ 4. 13th

Q.65 After watching a world cup match, six friends are sitting around a circular table facing towards the centre of the table. G sits second to the right of D and to the immediate left of C. Only two persons sit between F and A. A is an immediate neighbour of H. Who sits second to the right of H?

Ans

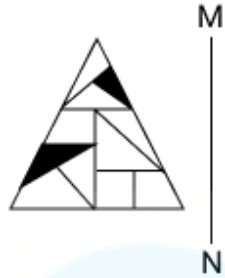
✗ 1. G

✗ 2. A

✓ 3. F

✗ 4. D

Q.66 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.67 If 1 is added to each even digit and 2 is subtracted from each odd digit in the number 37846592, what will be difference between the highest and second lowest digits in the number thus formed?

Ans ✓ 1. 6

✗ 2. 2

✗ 3. 8

✗ 4. 4

Q.68 MNOP is related to QRST in a certain way based on the English alphabetical order. In the same way, GHIJ is related to KLMN. To which of the following is CDEF related, following the same logic?

Ans ✗ 1. GHJI

✗ 2. GHIK

✓ 3. GHIJ

✗ 4. GHIL

Q.69 Seven friends, C, D, E, P, Q, R and S, are sitting around a circular table, facing the centre of the table. E sits to the immediate left of R. Only three people sit between R and Q when counted from the right of Q. Only three people sit between E and C. D sits to the immediate right of P. How many people sit between E and P when counted from the right of P?

Ans ✗ 1. Three

✗ 2. Two

✓ 3. One

✗ 4. Four

Q.70 Refer to the following series and answer the question (all numbers are single digit numbers only).
(Left) 8 2 1 9 8 7 5 5 4 6 3 4 5 3 7 9 1 1 7 5 1 9 5 (Right)
How many such even digits are there each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

- Ans**
- ☒ 1. Two
 - ☐ 2. One
 - ☐ 3. None
 - ☐ 4. Three

Section : General Awareness

Q.71 On which of the following scientific principles does a steam engine operate?

- Ans**
- ☐ 1. Photoelectric effect
 - ☐ 2. Superconductivity
 - ☐ 3. Archimedes' principle
 - ☒ 4. Laws of thermodynamics

Q.72 Which of the following is the 17th country to sign Audio Visual co-production Agreement with India?

- Ans**
- ☒ 1. Colombia
 - ☐ 2. Panama
 - ☐ 3. Canada
 - ☐ 4. Nicaragua

Q.73 Which coastal plain of India is predominantly rocky?

- Ans**
- ☒ 1. Western Coastal Plain
 - ☐ 2. Coromandel Plain
 - ☐ 3. Northern Coastal Plain
 - ☐ 4. Eastern Coastal Plain

Q.74 Which of the following has an interface of agriculture and industry and covers large tracts of land, using capital-intensive inputs with the help of migrant labourers?

- Ans**
- ☐ 1. Primitive Subsistence Farming
 - ☐ 2. Dryland Farming
 - ☐ 3. Intensive Subsistence Farming
 - ☒ 4. Plantation Farming

Q.75 At which place was the inaugural ceremony of the Maritime Exercise Malabar 2024 held under the aegis of Eastern Naval Command?

- Ans**
- ☐ 1. Cuddalore
 - ☐ 2. Kochi
 - ☐ 3. Tirupati
 - ☒ 4. Visakhapatnam

Q.76 In India, the Sundari tree is a prominent species found in which type of forests?

- Ans**
- ☐ 1. Tropical deciduous forests
 - ☐ 2. Montane forests
 - ☒ 3. Mangrove forests
 - ☐ 4. Tropical rainforests

Q.77	Self-Help Groups (SHGs) in rural areas are mainly established to:
Ans	<div><div><input type="checkbox"/></div>1. provide large corporate loans</div> <div><div><input type="checkbox"/></div>2. improve school enrolment</div> <div><div><input type="checkbox"/></div>3. develop urban infrastructure</div> <div><div><input checked="" type="checkbox"/></div>4. encourage savings and provide small loans among members</div>

Q.85	Which article specifies that the Governor can summon, prorogue, and dissolve the state legislature?
Ans	<div><div>✔ 1. Article 174</div><div>✘ 2. Article 167</div><div>✘ 3. Article 172</div><div>✘ 4. Article 180</div></div>
Q.86	The Moderates' demand for 'No taxation without representation' was inspired by which historical movement?
Ans	<div><div>✘ 1. Russian Revolution</div><div>✘ 2. Chinese Revolution</div><div>✘ 3. French Revolution</div><div>✔ 4. American War of Independence</div></div>
Q.87	As per Indian Protocol, who among the following ranks highest in the order of precedence?
Ans	<div><div>✘ 1. Cabinet ministers</div><div>✘ 2. Deputy ministers</div><div>✔ 3. Prime Minister</div><div>✘ 4. Ministers of state</div></div>
Q.88	What does the Second Schedule of the Indian Constitution provide for?
Ans	<div><div>✘ 1. Allocation of seats in the Council of States</div><div>✘ 2. Forms of oaths or affirmations</div><div>✘ 3. Powers of Municipalities</div><div>✔ 4. Provisions related to the President, Governors, and other officials</div></div>
Q.89	How did the 1991 reforms impact the public sector industries in India?
Ans	<div><div>✘ 1. Nationalisation of key private industries</div><div>✔ 2. Encouraged disinvestment and reduced government control</div><div>✘ 3. Increased dominance of public sector enterprises</div><div>✘ 4. Creation of new public monopolies</div></div>
Q.90	Which government initiative focuses on building infrastructure and connectivity in India?
Ans	<div><div>✘ 1. Skill India</div><div>✔ 2. Bharatmala</div><div>✘ 3. Ayushman Bharat</div><div>✘ 4. MNREGA</div></div>
Q.91	Which of the following was one of the methods that extremists believed would help in achieving Swaraj?
Ans	<div><div>✘ 1. Appeasement</div><div>✔ 2. Self-reliance and direct action</div><div>✘ 3. Constitutional methods</div><div>✘ 4. Persuasion</div></div>
Q.92	The musical instruments that produce sounds by beating or scraping them using a beater, hand or a similar instrument are known as _____ instruments.
Ans	<div><div>✘ 1. string</div><div>✔ 2. percussion</div><div>✘ 3. wind</div><div>✘ 4. electronic</div></div>

Q.93	Which of the following is a Gandhian Principle among the Directive Principles of State Policy (DPSP)?
Ans	<div><div><input type="checkbox"/></div>1. Protection of environment</div> <div><div><input type="checkbox"/></div>2. Uniform Civil Code</div> <div><div><input type="checkbox"/></div>3. Equal justice and free legal aid</div> <div><div><input checked="" type="checkbox"/></div>4. Organisation of village panchayats</div>
Q.94	Which of the following factors contributed to the increase in net foreign portfolio investment (FPI) inflows in the equity segment in September 2024?
Ans	<div><div><input type="checkbox"/></div>1. Decrease in domestic growth prospects</div> <div><div><input type="checkbox"/></div>2. Increase in interest rates in the US</div> <div><div><input checked="" type="checkbox"/></div>3. Unwinding of Yen carry trade</div> <div><div><input type="checkbox"/></div>4. Strengthening of the Indian Rupee</div>
Q.95	The Standard Meridian of India (82°30'E), used to set the standard time for the entire country, passes through which of the following places?
Ans	<div><div><input checked="" type="checkbox"/></div>1. Mirzapur</div> <div><div><input type="checkbox"/></div>2. Jaipur</div> <div><div><input type="checkbox"/></div>3. Bhopal</div> <div><div><input type="checkbox"/></div>4. Kolkata</div>
Q.96	The Constitution (Jammu and Kashmir) Scheduled Tribes Order (Amendment) Bill, 2024, passed by the Parliament, aimed to include how many communities in the list of STs of the UT of Jammu and Kashmir?
Ans	<div><div><input checked="" type="checkbox"/></div>1. 4</div> <div><div><input type="checkbox"/></div>2. 6</div> <div><div><input type="checkbox"/></div>3. 3</div> <div><div><input type="checkbox"/></div>4. 2</div>
Q.97	FASTag devices of National Electronic Toll Collection (NETC) system, which are used for electronic payments at toll plazas, employ which technology for their functioning, as on 1 November 2024?
Ans	<div><div><input type="checkbox"/></div>1. Global Positioning System (GPS)</div> <div><div><input checked="" type="checkbox"/></div>2. Radio Frequency Identification (RFID)</div> <div><div><input type="checkbox"/></div>3. Bluetooth Low Energy (BLE)</div> <div><div><input type="checkbox"/></div>4. Near-Field Communication (NFC)</div>
Q.98	National Waterway 2 (NW 2) is operational in which of the following Indian states?
Ans	<div><div><input type="checkbox"/></div>1. Nagaland</div> <div><div><input type="checkbox"/></div>2. Sikkim</div> <div><div><input type="checkbox"/></div>3. Arunachal Pradesh</div> <div><div><input checked="" type="checkbox"/></div>4. Assam</div>
Q.99	During the period from 30 September to 17 October 2024, how much surplus liquidity was mopped up through variable rate reverse repo (VRRR) auctions?
Ans	<div><div><input type="checkbox"/></div>1. ₹1.5 lakh crore</div> <div><div><input type="checkbox"/></div>2. ₹3.5 lakh crore</div> <div><div><input checked="" type="checkbox"/></div>3. ₹4.1 lakh crore</div> <div><div><input type="checkbox"/></div>4. ₹2.1 lakh crore</div>

Q.100	In which state is Indira Sagar Hydroelectric Power Project located?
Ans	<div><div><input type="checkbox"/></div><div>1. Bihar</div></div> <div><div><input type="checkbox"/></div><div>2. Andhra Pradesh</div></div> <div><div><input checked="" type="checkbox"/></div><div>3. Madhya Pradesh</div></div> <div><div><input type="checkbox"/></div><div>4. Haryana</div></div>

Q.108	Which of the following was/were the consequences of the Revolt of 1857? I. Reorganisation of the army II. Agrarian reforms III. Free trade policy IV. The Arms Act was passed
Ans	<div><div><div>✖</div><div>1. I, III and IV only</div></div><div><div>✔</div><div>2. I and IV only</div></div><div><div>✖</div><div>3. I, II, III and IV</div></div><div><div>✖</div><div>4. III and IV only</div></div></div>
Q.109	Right of parliament to regulate the citizenship by law is mentioned in which of the following articles of the Indian Constitution?
Ans	<div><div><div>✖</div><div>1. Article 89</div></div><div><div>✔</div><div>2. Article 11</div></div><div><div>✖</div><div>3. Article 10</div></div><div><div>✖</div><div>4. Article 93</div></div></div>
Q.110	The Union Cabinet, chaired by the Prime Minister Shri Narendra Modi, has approved the development of NGLV, that will be a significant step towards the Government's vision of establishing and operating the Bharatiya Antariksh Station and towards developing capability for Indian Crewed Landing on the Moon by 2040. Which of the following is the full form of NGLV?
Ans	<div><div><div>✖</div><div>1. Nano Governed Launch Vehicle</div></div><div><div>✔</div><div>2. Next Generation Launch Vehicle</div></div><div><div>✖</div><div>3. New Generation Launch Vehicle</div></div><div><div>✖</div><div>4. Next Gateway Launch Vehicle</div></div></div>
Q.111	The 44 th and 45 th ASEAN Summits were held in _____.
Ans	<div><div><div>✖</div><div>1. Thailand</div></div><div><div>✖</div><div>2. Indonesia</div></div><div><div>✔</div><div>3. Lao People's Democratic Republic</div></div><div><div>✖</div><div>4. Malaysia</div></div></div>
Q.112	The Surshringar is a combination of how many instruments of the stringed variety found in the north India?
Ans	<div><div><div>✖</div><div>1. Five</div></div><div><div>✖</div><div>2. Four</div></div><div><div>✔</div><div>3. Three</div></div><div><div>✖</div><div>4. Two</div></div></div>
Q.113	What has been one of the key contributions of globalisation to urban infrastructure development since 1991?
Ans	<div><div><div>✖</div><div>1. Expansion of agriculture-related industries in cities</div></div><div><div>✖</div><div>2. Privatisation of metro rail systems in urban areas</div></div><div><div>✔</div><div>3. Development of modern public transport systems, such as metro rail networks</div></div><div><div>✖</div><div>4. Construction of rural roads under the Pradhan Mantri Gram Sadak Yojana</div></div></div>
Q.114	Sandhi-Vigrahika was in charge of which of the following departments during the Gupta period?
Ans	<div><div><div>✔</div><div>1. Peace and war department</div></div><div><div>✖</div><div>2. Police department</div></div><div><div>✖</div><div>3. Royal palace department</div></div><div><div>✖</div><div>4. Justice department</div></div></div>

Q.115	What aspect of electromagnetism is described by Ampere's Circuital Law?
Ans	<div><div><input type="checkbox"/></div><div>1. The relationship between the displacement current and the changing electric field in an isolated region of space</div></div> <div><div><input type="checkbox"/></div><div>2. The relationship between electric field and magnetic field in a region of space</div></div> <div><div><input checked="" type="checkbox"/></div><div>3. The relationship between the magnetic field around a closed loop and the electric current passing through the loop</div></div> <div><div><input type="checkbox"/></div><div>4. The relationship between the charge density and the electric field in a dielectric material</div></div>
Q.116	Which is the highest peak of the Peninsular plateau of India?
Ans	<div><div><input type="checkbox"/></div><div>1. Doddabetta</div></div> <div><div><input type="checkbox"/></div><div>2. Mahendragiri</div></div> <div><div><input type="checkbox"/></div><div>3. Shevaroy Hills</div></div> <div><div><input checked="" type="checkbox"/></div><div>4. Anamudi</div></div>
Q.117	The headquarters of the Asian Development Bank (ADB), which is often seen in the news, is located in _____.
Ans	<div><div><input checked="" type="checkbox"/></div><div>1. Manila</div></div> <div><div><input type="checkbox"/></div><div>2. Bangkok</div></div> <div><div><input type="checkbox"/></div><div>3. Mumbai</div></div> <div><div><input type="checkbox"/></div><div>4. Tokyo</div></div>
Q.118	Who among the following scientists is credited with discovering the element polonium?
Ans	<div><div><input type="checkbox"/></div><div>1. Niels Bohr</div></div> <div><div><input type="checkbox"/></div><div>2. Ernest Rutherford</div></div> <div><div><input type="checkbox"/></div><div>3. Dmitri Mendeleev</div></div> <div><div><input checked="" type="checkbox"/></div><div>4. Marie Curie</div></div>
Q.119	What key interest rate did the RBI keep unchanged during the April 2024 Monetary Policy Committee meeting?
Ans	<div><div><input type="checkbox"/></div><div>1. Bank rate</div></div> <div><div><input type="checkbox"/></div><div>2. Base rate</div></div> <div><div><input checked="" type="checkbox"/></div><div>3. Repo rate</div></div> <div><div><input type="checkbox"/></div><div>4. Reverse repo rate</div></div>
Q.120	The Fundamental Duty to 'abjure violence' was initially suggested by which of the following committees/commissions?
Ans	<div><div><input type="checkbox"/></div><div>1. Ashok Mehta Committee</div></div> <div><div><input type="checkbox"/></div><div>2. Mandal Commission</div></div> <div><div><input checked="" type="checkbox"/></div><div>3. Swaran Singh Committee</div></div> <div><div><input type="checkbox"/></div><div>4. Sarkaria Commission</div></div>