



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 Austinpatti
Exam Time	4:00 PM - 5:30 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 cost price (including making charges) of a necklace is ₹2,50,000, and Amit wants to make 15% profit by selling it. At the time of the sale, he declares a discount of 5% on the making charges of the necklace. If making charges are ₹20,000, what is the marked price of the necklace?

- Ans
- ☒ 1. ₹2,77,500
 - ☒ 2. ₹2,87,500
 - ☒ 3. ₹2,97,500
 - ☒ 4. ₹2,88,500

Q.2 An Uber cab covers a distance of 384 km in 16 hours. What is its speed in km/h?

- Ans
- ☒ 1. 22
 - ☒ 2. 27
 - ☒ 3. 14
 - ☒ 4. 24

Q.3 Evaluate: $41 - [36 - \{48 \div 2 - (6 - 6 \div 2) \div 3\}]$

- Ans
- ☒ 1. 27
 - ☒ 2. 28
 - ☒ 3. 29
 - ☒ 4. 30

Q.4 Mamta invested a certain amount for compound interest at 10% per annum (compounded half yearly) for 2 years. If the interest obtained by Mamta is ₹1,034.43, then find the total amount invested by her.

- Ans
- ☒ 1. ₹4,400
 - ☒ 2. ₹4,600
 - ☒ 3. ₹4,200
 - ☒ 4. ₹4,800

Q.5 The value of $\sqrt{144} + \sqrt{0.0324} - \sqrt{9} =$

- Ans
- ☒ 1. 9.18
 - ☒ 2. 15.32
 - ☒ 3. 5.23
 - ☒ 4. 4.77

Q.6	How many seconds will a boy take to run one complete round around a square field of side 18 metres, if he runs at a speed of 6 km/h?
Ans	<div><div><div>✖</div><div>1. 36</div></div><div><div>✖</div><div>2. 40</div></div><div><div>✖</div><div>3. 43</div></div><div><div>✔</div><div>4. 43.2</div></div></div>
Q.7	The HCF of $x^{1.5} \times y^{2.5}$ and $y^{3.5} \times x^{2.5}$ is _____.
Ans	<div><div><div>✔</div><div>1. $x \times y^2 \times \sqrt{x \times y}$</div></div><div><div>✖</div><div>2. $x^2 \times y \times \sqrt{x \times y}$</div></div><div><div>✖</div><div>3. $x^2 \times y^2 \times \sqrt{x \times y}$</div></div><div><div>✖</div><div>4. $x \times y \times \sqrt{x \times y}$</div></div></div>
Q.8	What is the total surface area (correct to two places of decimals) of a right circular cone with height of 8 m and base radius 4 m? (Use $\pi = \frac{22}{7}$ and $\sqrt{5} = 2.34$).
Ans	<div><div><div>✖</div><div>1. 182.36 m²</div></div><div><div>✖</div><div>2. 173.25 m²</div></div><div><div>✖</div><div>3. 178.48 m²</div></div><div><div>✔</div><div>4. 167.95 m²</div></div></div>
Q.9	A person buys a bicycle for ₹12,000 and sells it for ₹10,500. Find the percentage loss.
Ans	<div><div><div>✖</div><div>1. 16.5%</div></div><div><div>✖</div><div>2. 14.5%</div></div><div><div>✖</div><div>3. 12%</div></div><div><div>✔</div><div>4. 12.5%</div></div></div>
Q.10	Train A leaves station M at 7:45 AM and reaches station N at 2:45 PM on the same day. Train B leaves station N at 9:45 AM and reaches station M at 2:45 PM on the same day. Find the time when Trains A and B meet.
Ans	<div><div><div>✖</div><div>1. 2:50 AM</div></div><div><div>✖</div><div>2. 9:21 PM</div></div><div><div>✖</div><div>3. 9:49 AM</div></div><div><div>✔</div><div>4. 11:50 AM</div></div></div>
Q.11	The sum of 10 numbers is 300. Find their average.
Ans	<div><div><div>✖</div><div>1. 31</div></div><div><div>✔</div><div>2. 30</div></div><div><div>✖</div><div>3. 29</div></div><div><div>✖</div><div>4. 28</div></div></div>
Q.12	A, B and C can complete a piece of work in 8 days, 16 days and 24 days, respectively. If they work together, how many days will it take to complete a task that is eleven times the original work?
Ans	<div><div><div>✖</div><div>1. 42</div></div><div><div>✖</div><div>2. 44</div></div><div><div>✔</div><div>3. 48</div></div><div><div>✖</div><div>4. 46</div></div></div>

Q.13 To make a profit of 27%, the selling price of a an item is ₹381. The cost price of the item is:

- Ans
- ☐ 1. ₹354
 - ☐ 2. ₹313
 - ☒ 3. ₹300
 - ☐ 4. ₹327

Q.14 Find the largest possible value of n, for which a 6-digit number 34159n is divisible by 6.

- Ans
- ☐ 1. 2
 - ☒ 2. 8
 - ☐ 3. 6
 - ☐ 4. 4

Q.15 The ages of Nishi and Vineet are in the ratio of 5 : 8 respectively. After 9 years the ratio of their ages will be 2 : 3. What is the difference in their present ages (in years)?

- Ans
- ☒ 1. 27
 - ☐ 2. 24
 - ☐ 3. 7
 - ☐ 4. 13

Q.16 An electronic gadget is marked at ₹12,000. A store offers a 15% discount. Additionally, there is a seasonal discount of 5% on the discounted price. What is the final selling price of the gadget?

- Ans
- ☐ 1. ₹9,600
 - ☐ 2. ₹10,000
 - ☒ 3. ₹9,690
 - ☐ 4. ₹9,840

Q.17 The simplified value of $0.25 + \frac{0.25}{4} - \frac{3}{8}$ is _____.

- Ans
- ☐ 1. $-\frac{1}{8}$
 - ☒ 2. $-\frac{1}{16}$
 - ☐ 3. $\frac{1}{16}$
 - ☐ 4. $\frac{1}{8}$

Q.18 The sum of five numbers is 655. The average of the first two numbers is 78 and the third number is 125. Find the average of the remaining two numbers?

- Ans
- ☐ 1. 203
 - ☐ 2. 188
 - ☒ 3. 187
 - ☐ 4. 204

Q.19 The volume (in cm³) of a wire of diameter 14 cm and length 30 m is:

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

- Ans
- ☐ 1. 461800
 - ☐ 2. 462400
 - ☒ 3. 462000
 - ☐ 4. 462700

Q.20	Find the value of $5.84 \times 2.05 - 3.64 \times 1.45 - 2.05 \times 3.54 + 8.76 \times 2.05 - 12.375 + 6.98$.
Ans	<div>✗ 1. 19</div> <div>✓ 2. 12</div> <div>✗ 3. 21</div> <div>✗ 4. 15</div>
Q.21	Firoz and Gangadhar can complete a certain piece of work in 18 and 11 days, respectively, They started to work together, and after 5 days, Gangadhar left. In how many days will Firoz complete the remaining work?
Ans	<div>✗ 1. $\frac{957}{198}$</div> <div>✗ 2. $\frac{953}{200}$</div> <div>✗ 3. $\frac{956}{199}$</div> <div>✓ 4. $\frac{954}{198}$</div>
Q.22	If 63 , 21 , 54 , and y are in proportion, then the value of y is:
Ans	<div>✓ 1. 18</div> <div>✗ 2. 27</div> <div>✗ 3. 21</div> <div>✗ 4. 25</div>
Q.23	The number of students in a school increases every year by 5%. If the number of the students in 2023 is 5,670, what was the number of students in 2022?
Ans	<div>✗ 1. 5,230</div> <div>✗ 2. 5,330</div> <div>✓ 3. 5,400</div> <div>✗ 4. 5,430</div>
Q.24	Find the value of $\left(\frac{1}{4}\right)^{-2} + \left(\frac{1}{9}\right)^{-2} + \left(\frac{1}{3}\right)^{-2}$.
Ans	<div>✗ 1. 116</div> <div>✓ 2. 106</div> <div>✗ 3. 108</div> <div>✗ 4. 103</div>
Q.25	A rectangular park which is 105 m long and 75 m wide has a grassy walking path 2.5 m wide all around it on the inside. Find the cost of trimming the grass path at ₹18 per sq. m.
Ans	<div>✗ 1. ₹7,875</div> <div>✗ 2. ₹18,250</div> <div>✗ 3. ₹7,000</div> <div>✓ 4. ₹15,750</div>

Q.26	A sum, when invested at 10% simple interest per annum, amounts to ₹3840 after 2 years. What is the simple interest (in ₹) on the same sum at the same rate of interest in 1 year?
Ans	<div><div><div>✖</div><div>1. 1280</div></div><div><div>✖</div><div>2. 160</div></div><div><div>✖</div><div>3. 640</div></div><div><div>✔</div><div>4. 320</div></div></div>
Q.27	Pipes A and B can fill an empty cistern in 78 minutes and 24 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 20 minutes?
Ans	<div><div><div>✖</div><div>1. 25 min</div></div><div><div>✔</div><div>2. 13 min</div></div><div><div>✖</div><div>3. 10 min</div></div><div><div>✖</div><div>4. 16 min</div></div></div>
Q.28	A number when increased by 50 %', gives 2400. The number is:
Ans	<div><div><div>✖</div><div>1. 800</div></div><div><div>✖</div><div>2. 4800</div></div><div><div>✔</div><div>3. 1600</div></div><div><div>✖</div><div>4. 3200</div></div></div>
Q.29	If the ratio of two numbers is 3 : 4 and their LCM is 72, then the sum of the two numbers is:
Ans	<div><div><div>✖</div><div>1. 18</div></div><div><div>✖</div><div>2. 24</div></div><div><div>✖</div><div>3. 36</div></div><div><div>✔</div><div>4. 42</div></div></div>
Q.30	Find the ratio in which rice at ₹36.75 per kg should be mixed with rice at ₹42.25 per kg to produce a mixture worth ₹40.50.
Ans	<div><div><div>✔</div><div>1. 7 : 15</div></div><div><div>✖</div><div>2. 169 : 147</div></div><div><div>✖</div><div>3. 15 : 7</div></div><div><div>✖</div><div>4. 147 : 169</div></div></div>
Q.31	Lata buys a second-hand scooty for ₹30,000. The value of the scooty depreciates at the rate of x% yearly. If the scooty was sold at a price of ₹20,667 after 2 years, then what is the value of x?
Ans	<div><div><div>✖</div><div>1. 19</div></div><div><div>✖</div><div>2. 16</div></div><div><div>✔</div><div>3. 17</div></div><div><div>✖</div><div>4. 18</div></div></div>
Q.32	The average of first 143 even numbers is
Ans	<div><div><div>✖</div><div>1. 144.5</div></div><div><div>✖</div><div>2. 143.5</div></div><div><div>✔</div><div>3. 144</div></div><div><div>✖</div><div>4. 145</div></div></div>

Q.33 A car travels 187 km in the first hour and 77 km in the second hour. What is the average speed (in km/h) of the car for the whole journey?

- Ans
- ☐ 1. 133
 - ☒ 2. 132
 - ☐ 3. 134
 - ☐ 4. 139

Q.34 In what ratio should sugar costing ₹64 per kg be mixed with sugar costing ₹22 per kg so that by selling the mixture at ₹70.8 per kg, there is a profit of 20%?

- Ans
- ☒ 1. 37 : 5
 - ☐ 2. 38 : 3
 - ☐ 3. 36 : 3
 - ☐ 4. 35 : 6

Q.35 The monthly incomes of two friends Nirmal and Rakesh, are in the ratio 5 : 7 respectively and each of them saves ₹84000 every month. If the ratio of their monthly expenditure is 2 : 4, find the monthly income of Nirmal(in ₹).

- Ans
- ☐ 1. 139000
 - ☐ 2. 196000
 - ☒ 3. 140000
 - ☐ 4. 141000

Section : General Intelligence and Reasoning

Q.36 What should come in place of the question mark (?) in the given series?

5 8 14 23 35 ?

- Ans
- ☐ 1. 49
 - ☐ 2. 52
 - ☐ 3. 51
 - ☒ 4. 50

Q.37 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 475126, what will be the difference between the highest and lowest digits in the number thus formed?

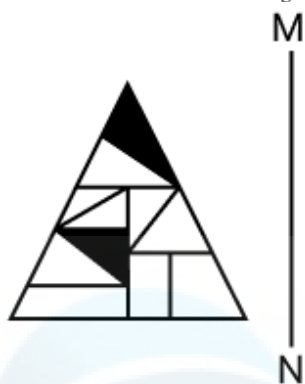
- Ans
- ☐ 1. 7
 - ☐ 2. 6
 - ☐ 3. 5
 - ☒ 4. 8

Q.38 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

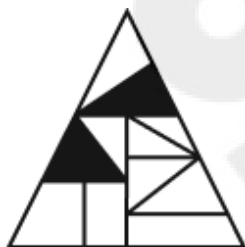
MONK - OMNK - KNOM
KEAN - EKAN - NAEK

- Ans
- ☐ 1. NEAL - ENAL - LEAN
 - ☐ 2. MOLE - OMLE - OLEM
 - ☐ 3. RAIN - RIAN - NIAR
 - ☒ 4. RICE - IRCE - ECIR

Q.39 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



Ans



Q.40 Seven persons Sapna, Radhika, Natasha, Doli, Leena, Sonia, and Surekha are sitting on a circular table facing the centre. Radhika is sitting immediately to the right of Natasha. Sapna is the only person sitting between Surekha and Radhika, when counted from the left of Surekha. There is exactly one person sitting between Leena and Surekha, when counted from the left of Leena. Leena is sitting second to the left of Natasha. Doli comes at number 4 when counted from the right of Sapna. Who is sitting to the immediate right of Doli?

Ans

- ✗ 1. Leena
✓ 2. Natasha
✗ 3. Sonia
✗ 4. Radhika

Q.41 FAT is related to IDW in a certain way based on the English alphabetical order. In the same way, HBP is related to KES. To which of the following is ISM related, following the same logic?

Ans

- ✓ 1. LVP
- ✗ 2. MUP
- ✗ 3. MUQ
- ✗ 4. LVQ

Q.42 Sharon starts from Point A and drives 9 km towards west. He then takes a left turn, drives 9 km, turns left and drives 12 km. He then takes a left turn and drives 14 km. He takes a final left turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified)

- Ans**
- ☒ 1. 3 km to the south
 - ☒ 2. 5 km to the south
 - ☒ 3. 2 km to the south
 - ☒ 4. 4 km to the south

Q.43 What should come in place of the question mark (?) in the given series?

26 37 50 65 82 ?

- Ans**
- ☒ 1. 94
 - ☒ 2. 110
 - ☒ 3. 101
 - ☒ 4. 118

Q.44 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:
Some shoes are coats.
Some coats are belts.

Conclusions:
(I) All shoes are belts.
(II) Some coats are shoes.

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

Q.45 Seven boxes R, O, C, K, E, T and S are kept one over the other but not necessarily in the same order. Only two boxes are kept below E. Only three boxes are kept between C and E. Only one box is kept between T and O. O is kept immediately above E. Only four boxes are kept between T and S. R is kept at some place above K. How many boxes are kept above R?

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

Q.46 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.47 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:
All crows are tickets.
Some tickets are dolphins.
All magpies are tickets.

Conclusions:
(I) Some magpies are crows.
(II) Some crows are dolphins.

Ans

1. Only conclusion (I) follows.

2. Both conclusions (I) and (II) follow.

3. Only conclusion (II) follows.

4. Neither conclusion (I) nor (II) follows.

Q.48	<p>What should come in place of the question mark (?) in the given series based on the English alphabetical order?</p> <p>AXB HEI OLP VSW ?</p> <p>Ans <input type="radio"/> 1. CDZ</p> <p><input type="radio"/> 2. CDR</p> <p><input type="radio"/> 3. CRD</p> <p><input checked="" type="radio"/> 4. CZD</p>
Q.49	<p>In a certain code language, '78&R' is coded as 'WQOZ' and 'R&67' is coded as 'MOZQ'. What is the code for '6' in the given code language?</p> <p>Ans <input type="radio"/> 1. Q</p> <p><input type="radio"/> 2. Z</p> <p><input checked="" type="radio"/> 3. M</p> <p><input type="radio"/> 4. O</p>
Q.50	<p>A, B, C, D, E, F and G are sitting around a circular table, facing the centre. A sits second to the left of F. E sits third to the left of A. D sits to the immediate right of B. G is not the immediate neighbour of E.</p> <p>How many people sit between G and D when counted from the left of G?</p> <p>Ans <input type="radio"/> 1. Four</p> <p><input type="radio"/> 2. Three</p> <p><input checked="" type="radio"/> 3. One</p> <p><input type="radio"/> 4. Two</p>
Q.51	<p>Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.</p> <p>(Left) 9 5 < ? * \$ 1 \ 4 7 8 @ 4 # 7 & 6 > \$ 2 * (Right)</p> <p>How many such symbols are there each of which is immediately preceded by another symbol and also immediately followed by a number?</p> <p>Ans <input type="radio"/> 1. One</p> <p><input type="radio"/> 2. None</p> <p><input checked="" type="radio"/> 3. Two</p> <p><input type="radio"/> 4. Three</p>
Q.52	<p>In a certain code language, 'LOSE' is coded as '3278' and 'SEAL' is coded as '7683'. What is the code for 'A' in the given code language?</p> <p>Ans <input type="radio"/> 1. 8</p> <p><input type="radio"/> 2. 3</p> <p><input checked="" type="radio"/> 3. 6</p> <p><input type="radio"/> 4. 7</p>
Q.53	<p>Muna starts from Point A and drives 7 km towards the west. He then takes a left turn, drives 5 km, turns left and drives 10 km. He then takes a left turn and drives 12 km. He takes a final left turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degree turns only unless specified.)</p> <p>Ans <input type="radio"/> 1. 8 km to the north</p> <p><input type="radio"/> 2. 10 km to the north</p> <p><input type="radio"/> 3. 5 km to the south</p> <p><input checked="" type="radio"/> 4. 7 km to the south</p>

Q.54 This question is based on the five, three-digit numbers given below.

(Left) 246 317 209 349 294 (Right)

(Example- 697 – First digit = 6, second digit = 9, and third digit = 7)
(Note: All operations to be done from left to right.)

What will be the resultant if the second digit of the highest number is added to the third digit of the lowest number?

- Ans
- ☒ 1. 11
 - ☒ 2. 13
 - ☒ 3. 15
 - ☒ 4. 12

Q.55 If + means –, – means ×, × means ÷ and ÷ means +, then what will come in place of the question mark (?) in the following equation?
 $16 - 7 \div 3 + 25 \times 5 = ?$

- Ans
- ☒ 1. 112
 - ☒ 2. 110
 - ☒ 3. 102
 - ☒ 4. 100

Q.56 If 'A' stands for '+', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '–', what will come in place of the question mark (?) in the following equation?
 $49 A 7 D 6 C 36 B 4 = ?$

- Ans
- ☒ 1. 140
 - ☒ 2. 145
 - ☒ 3. 146
 - ☒ 4. 144

Q.57 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',
and $A \div B$ means 'A is the father of B'.

How is P related to T if 'P – Q + R ÷ S × T'?

- Ans
- ☒ 1. Wife's mother's brother
 - ☒ 2. Wife's mother's father
 - ☒ 3. Wife's father's father
 - ☒ 4. Wife's father's brother

Q.58 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

VKJ WIM XGP YES ?

- Ans
- ☒ 1. ABV
 - ☒ 2. ACV
 - ☒ 3. ZBV
 - ☒ 4. ZCV

Q.59 What should come in place of the question mark (?) in the given series?

1341, 1344, 675, ?, 60, 15

- Ans
- ☒ 1. 218
 - ☒ 2. 138
 - ☒ 3. 198
 - ☒ 4. 228

Q.60 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.
Statements:
No pen is a box.
No box is a crayon.
Conclusions:
(I): No pen is a crayon.
(II): Some boxes are pens.

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

Q.61 In a certain code language, 'FISH' is coded as '8219' and 'SHIP' is coded as '1852'. What is the code for 'P' in the given code language?

- Ans**
- ☐ 1. 1
 - ☒ 2. 5
 - ☐ 3. 2
 - ☐ 4. 8

Q.62 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 T related to K if 'T @ D * S \$ W = K'?

- Ans**
- ☐ 1. Wife
 - ☒ 2. Mother
 - ☐ 3. Husband
 - ☐ 4. Sister

Q.63 Seven boxes A, B, C, D, L, M and N are kept one over the other but not necessarily in the same order. L is kept second from the bottom. Only three boxes are kept between L and M. D is kept at one of the positions below L. Only B is kept between M and N. A is kept at one of the positions above M. How many boxes are kept between N and D?

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

Q.64 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

PDM NFJ LHG JJD ?

- Ans**
- ☐ 1. HKA
 - ☒ 2. HLA
 - ☐ 3. GKA
 - ☐ 4. GKZ

Q.65 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. QLS
 - ☒ 2. NIP
 - ☒ 3. KFM
 - ☒ 4. TOU

Q.66 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans
- ☒ 1. BC - GH
 - ☒ 2. FG - JK
 - ☒ 3. MN - QR
 - ☒ 4. ST - WX

Q.67 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers only.)

(Left) 5 # 8 7 + 1 2 > 5 7 8 = 6 3 % 7 @ 4 5 & 6 7 \$ 4 1 9 (Right)

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

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

Q.68 Each vowel in the word ACQUIRE 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?

- Ans
- ☒ 1. B
 - ☒ 2. P
 - ☒ 3. J
 - ☒ 4. Q

Q.69 Select the set in which the numbers are related in the same way as are the numbers of the following sets.
(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting / multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(5, 10, 16)
(8, 13, 22)

- Ans
- ☒ 1. (16, 11, 18)
 - ☒ 2. (20, 25, 104)
 - ☒ 3. (9, 14, 24)
 - ☒ 4. (12, 17, 38)

Q.70 RFBU is related to YYIN in a certain way based on the English alphabetical order. In the same way, TDDS is related to AWKL. To which of the given options is OIYX related, following the same logic?

- Ans**
- ☐ 1. VQFB
 - ☐ 2. VFQB
 - ☒ 3. VBFQ
 - ☐ 4. VQBF

Section : General Awareness

Q.71 Which physiographic division of India includes the Great Indian Plains?

- Ans**
- ☒ 1. The Northern Plains
 - ☐ 2. The Coastal Plains
 - ☐ 3. The Peninsular Plateau
 - ☐ 4. The Northern Mountains

Q.72 Idukki Hydroelectric Power Project is located in which state?

- Ans**
- ☐ 1. Karnataka
 - ☒ 2. Kerala
 - ☐ 3. Telangana
 - ☐ 4. Jharkhand

Q.73 What does the Law of Conservation of Energy state?

- Ans**
- ☒ 1. Energy can neither be created nor destroyed.
 - ☐ 2. Energy can be created and destroyed.
 - ☐ 3. Energy can be created from matter.
 - ☐ 4. Energy is lost in every energy transfer process.

Q.74 Who among the following was the President of the Constituent Assembly?

- Ans**
- ☐ 1. Jawaharlal Nehru
 - ☒ 2. Dr. Rajendra Prasad
 - ☐ 3. Dr. BR Ambedkar
 - ☐ 4. Vallabhbhai Patel

Q.75 Which of the following is the largest container port in India?

- Ans**
- ☐ 1. Kandla Port
 - ☐ 2. Nhava Sheva Port
 - ☒ 3. Mumbai Port
 - ☐ 4. Visakhapatnam Port

Q.76 In the Vedic period, which of the following was considered the highest social class of society?

- Ans**
- ☐ 1. Kshatriya
 - ☒ 2. Brahmin
 - ☐ 3. Vaishya
 - ☐ 4. Shudra

Q.77 Nitrogen is an essential element in biochemistry. What is its atomic number?

- Ans**
- ☐ 1. 5
 - ☒ 2. 7
 - ☐ 3. 11
 - ☐ 4. 14

Q.78	What was the net foreign portfolio investment (FPI) inflow amount recorded in September 2024?
Ans	<div><div><input checked="" type="checkbox"/> 1. US \$9.6 billion</div><div><input type="checkbox"/> 2. US \$5.9 billion</div><div><input type="checkbox"/> 3. US \$6.6 billion</div><div><input type="checkbox"/> 4. US \$7.9 billion</div></div>
Q.79	To which part of the human body does cochlea belong?
Ans	<div><div><input checked="" type="checkbox"/> 1. Ear</div><div><input type="checkbox"/> 2. Throat</div><div><input type="checkbox"/> 3. Nose</div><div><input type="checkbox"/> 4. Eye</div></div>
Q.80	Which of the following Indian veteran actresses and dancers was awarded the Padma Vibhushan in 2024?
Ans	<div><div><input type="checkbox"/> 1. Shabana Azmi</div><div><input type="checkbox"/> 2. Hema Malini</div><div><input type="checkbox"/> 3. Sharmila Tagore</div><div><input checked="" type="checkbox"/> 4. Vyjayanthimala Bali</div></div>
Q.81	Which Amendment of the Indian Constitution introduced the concept of 'Panchayat Raj' in India?
Ans	<div><div><input type="checkbox"/> 1. 61st Amendment</div><div><input type="checkbox"/> 2. 44th Amendment</div><div><input checked="" type="checkbox"/> 3. 73rd Amendment</div><div><input type="checkbox"/> 4. 74th Amendment</div></div>
Q.82	Which of the following Acts introduced the bicameral system of legislature in India?
Ans	<div><div><input type="checkbox"/> 1. Simon Commission, 1927</div><div><input type="checkbox"/> 2. Government of India Act, 1935</div><div><input type="checkbox"/> 3. Indian Independence Act, 1947</div><div><input checked="" type="checkbox"/> 4. Government of India Act, 1919</div></div>
Q.83	In July 2024, the Weapon Systems School (WSS) was inaugurated in which city by Chief of the Air Staff?
Ans	<div><div><input type="checkbox"/> 1. Pune</div><div><input type="checkbox"/> 2. Chandigarh</div><div><input checked="" type="checkbox"/> 3. Hyderabad</div><div><input type="checkbox"/> 4. Puri</div></div>
Q.84	In December 2024, the 52 nd meeting of the Monetary Policy Committee (MPC) was held under which section of the Reserve Bank of India Act, 1934?
Ans	<div><div><input checked="" type="checkbox"/> 1. Section 45ZB</div><div><input type="checkbox"/> 2. Section 45ZC</div><div><input type="checkbox"/> 3. Section 45ZM</div><div><input type="checkbox"/> 4. Section 45ZL</div></div>
Q.85	The Luni River, flowing through the Thar Desert, eventually flows into:
Ans	<div><div><input checked="" type="checkbox"/> 1. Rann of Kutch</div><div><input type="checkbox"/> 2. Palk Bay</div><div><input type="checkbox"/> 3. Arabian Sea</div><div><input type="checkbox"/> 4. Bay of Bengal</div></div>

Q.86	Which of the following teams won the 2024 Copa America championship?
Ans	<div><div><input type="checkbox"/></div>1. Brazil</div> <div><div><input type="checkbox"/></div>2. Uruguay</div> <div><div><input checked="" type="checkbox"/></div>3. Argentina</div> <div><div><input type="checkbox"/></div>4. Chile</div>

Q.94	Which of the following organisations publish the Human Development Index?
Ans	<div><div><input checked="" type="checkbox"/></div>1. United Nations Development Programme</div> <div><div><input type="checkbox"/></div>2. World Bank</div> <div><div><input type="checkbox"/></div>3. World Health Organization</div> <div><div><input type="checkbox"/></div>4. International Monetary Fund</div>
Q.95	The rights mentioned in Part III of the Indian Constitution are termed as ____.
Ans	<div><div><input type="checkbox"/></div>1. Fundamental Rights</div> <div><div><input checked="" type="checkbox"/></div>2. Foundational Rights</div> <div><div><input type="checkbox"/></div>3. Legal Rights</div> <div><div><input type="checkbox"/></div>4. Economic Rights</div>
Q.96	Under which Act was the institution of Lok Adalat given statutory status in India?
Ans	<div><div><input checked="" type="checkbox"/></div>1. Legal Services Authorities Act, 1987</div> <div><div><input type="checkbox"/></div>2. The Constitution (42nd Amendment) Act of 1976</div> <div><div><input type="checkbox"/></div>3. Arbitration and Conciliation Act, 1996</div> <div><div><input type="checkbox"/></div>4. Code of Civil Procedure, 1908</div>
Q.97	What is meant by a 'depleted economy,' as observed in India at the time of independence?
Ans	<div><div><input checked="" type="checkbox"/></div>1. An economy with no provisions to replace physical assets that have deteriorated due to excessive use</div> <div><div><input type="checkbox"/></div>2. An economy that relies heavily on agriculture with minimal industrial development</div> <div><div><input type="checkbox"/></div>3. An economy that has a surplus of physical assets but lacks skilled labour</div> <div><div><input type="checkbox"/></div>4. An economy with a high level of foreign debt and reliance on imports</div>
Q.98	Prof. Govindarajan Padmanabhan, recipient of the first Vigyan Ratna Award in 2024, is related to which of the following fields?
Ans	<div><div><input checked="" type="checkbox"/></div>1. Molecular Biology and Biotechnology Research</div> <div><div><input type="checkbox"/></div>2. Power Electronics</div> <div><div><input type="checkbox"/></div>3. Atomic Energy</div> <div><div><input type="checkbox"/></div>4. Food Processing</div>
Q.99	What was the name of the high-altitude military exercise conducted by the Indian Army in Ladakh in August 2024?
Ans	<div><div><input checked="" type="checkbox"/></div>1. Parvat Prahaar</div> <div><div><input type="checkbox"/></div>2. Desert Strike</div> <div><div><input type="checkbox"/></div>3. HimVijay</div> <div><div><input type="checkbox"/></div>4. Yudh Abhyas</div>
Q.100	The First Five Year Plan in India primarily focused on which sector?
Ans	<div><div><input type="checkbox"/></div>1. Industry</div> <div><div><input checked="" type="checkbox"/></div>2. Agriculture</div> <div><div><input type="checkbox"/></div>3. Education</div> <div><div><input type="checkbox"/></div>4. Transport</div>
Q.101	The ESG disclosures under SEBI's BRSR requirements are intended to improve compliance in which of the following areas?
Ans	<div><div><input checked="" type="checkbox"/></div>1. Environmental, Social and Governance standards</div> <div><div><input type="checkbox"/></div>2. Ethical, Sustainable and Governance standards</div> <div><div><input type="checkbox"/></div>3. Ethical, Social and Governance standards</div> <div><div><input type="checkbox"/></div>4. Environmental, Sustainable and Governance standards</div>

Q.102	_____ launched digital prediabetes risk checker tool for early diagnosis in November 2024 in India.
Ans	<div><div><input type="checkbox"/></div>1. Apollo Labs</div> <div><div><input type="checkbox"/></div>2. Metropolis Labs</div> <div><div><input checked="" type="checkbox"/></div>3. Redcliffe Labs</div> <div><div><input type="checkbox"/></div>4. Glenmark Labs</div>
Q.103	Which of the following are the main reasons for the excessive cold in north India during the winter season? (1) Presence of moderating influence of sea (2) Snowfall in the Himalayan ranges (3) Coming of cold winds from the Caspian Sea and Turkmenistan
Ans	<div><div><input type="checkbox"/></div>1. Only 1 and 3</div> <div><div><input checked="" type="checkbox"/></div>2. Only 2 and 3</div> <div><div><input type="checkbox"/></div>3. 1, 2 and 3</div> <div><div><input type="checkbox"/></div>4. Only 1 and 2</div>
Q.104	The word 'vaishya' comes from which word in the Vedic period?
Ans	<div><div><input type="checkbox"/></div>1. Vidaya</div> <div><div><input type="checkbox"/></div>2. Vasnva</div> <div><div><input checked="" type="checkbox"/></div>3. Vish</div> <div><div><input type="checkbox"/></div>4. Vighraha</div>
Q.105	Which leader(s) represented the Bengal group of Extremists?
Ans	<div><div><input type="checkbox"/></div>1. Lala Lajpat Rai</div> <div><div><input type="checkbox"/></div>2. BG Tilak</div> <div><div><input type="checkbox"/></div>3. Dayananda Saraswati</div> <div><div><input checked="" type="checkbox"/></div>4. BC Pal and Aurobindo</div>
Q.106	Who made the first official demand for the partition of Bengal?
Ans	<div><div><input type="checkbox"/></div>1. Lala Lajpat Rai</div> <div><div><input checked="" type="checkbox"/></div>2. Lord Curzon</div> <div><div><input type="checkbox"/></div>3. Lord Dufferin</div> <div><div><input type="checkbox"/></div>4. AO Hume</div>
Q.107	Which of the following was NOT a reason for the unrest among Indian soldiers for the British before 1857?
Ans	<div><div><input type="checkbox"/></div>1. The annexation of Indian territories by the British</div> <div><div><input checked="" type="checkbox"/></div>2. Support for the Mughal emperor</div> <div><div><input type="checkbox"/></div>3. Poor pay and bad conditions</div> <div><div><input type="checkbox"/></div>4. British disregard for Indian customs</div>
Q.108	Name the author who wrote the book 'Kavyadarsha'.
Ans	<div><div><input checked="" type="checkbox"/></div>1. Dandin</div> <div><div><input type="checkbox"/></div>2. Jaimini</div> <div><div><input type="checkbox"/></div>3. Badarayana</div> <div><div><input type="checkbox"/></div>4. Kundakunda</div>

Q.109	How many commodities are currently supported by the government's Minimum Support Price (MSP) as given in Economic Survey 2024?
Ans	<div><div><input checked="" type="checkbox"/> 1. 23</div><div><input type="checkbox"/> 2. 25</div><div><input type="checkbox"/> 3. 18</div><div><input type="checkbox"/> 4. 20</div></div>
Q.110	According to 2001 Census, _____ of Indians live in about 7,89,201 villages.
Ans	<div><div><input type="checkbox"/> 1. 63.86%</div><div><input type="checkbox"/> 2. 73.12%</div><div><input checked="" type="checkbox"/> 3. 72.22%</div><div><input type="checkbox"/> 4. 80.14%</div></div>
Q.111	In rural development, technology that can be added in development without displacing labour and at less expenditure is called _____.
Ans	<div><div><input type="checkbox"/> 1. labour displacement technology</div><div><input type="checkbox"/> 2. capital intensive technology</div><div><input type="checkbox"/> 3. capital displacement technology</div><div><input checked="" type="checkbox"/> 4. labour intensive technology</div></div>
Q.112	Gauri Diwakar is a famous _____ dancer.
Ans	<div><div><input type="checkbox"/> 1. Odissi</div><div><input type="checkbox"/> 2. Kathakali</div><div><input checked="" type="checkbox"/> 3. Kathak</div><div><input type="checkbox"/> 4. Manipuri</div></div>
Q.113	Which of the following statements about Public Interest Litigation (PIL) in India is INCORRECT?
Ans	<div><div><input type="checkbox"/> 1. PILs can only be filed in the Supreme Court or High Courts in India.</div><div><input checked="" type="checkbox"/> 2. PILs are the same as Writ Petitions, as both are filed for individual interests.</div><div><input type="checkbox"/> 3. PIL can be filed by any individual or organisation for the general public's benefit.</div><div><input type="checkbox"/> 4. PIL is used to advance human rights and address issues of public concern.</div></div>
Q.114	In October 2024, India's first village, related to which of the following, was inaugurated in Dehradun?
Ans	<div><div><input type="checkbox"/> 1. Defence personnel</div><div><input type="checkbox"/> 2. Dancers</div><div><input checked="" type="checkbox"/> 3. Writers</div><div><input type="checkbox"/> 4. Pottery</div></div>
Q.115	India ranks _____ in global ethanol production as per India-Biotech-Handbook-2024.
Ans	<div><div><input type="checkbox"/> 1. sixth</div><div><input checked="" type="checkbox"/> 2. third</div><div><input type="checkbox"/> 3. second</div><div><input type="checkbox"/> 4. fourth</div></div>
Q.116	Which of the following notes are used together in the early morning raga Lalit?
Ans	<div><div><input type="checkbox"/> 1. G and G'</div><div><input checked="" type="checkbox"/> 2. M and M'</div><div><input type="checkbox"/> 3. P and P'</div><div><input type="checkbox"/> 4. N and N'</div></div>

Q.117	How much FDI did India attract between April 2014 and June 2024?
Ans	<div><div><input type="checkbox"/></div><div>1. \$667.41 billion</div></div> <div><div><input type="checkbox"/></div><div>2. \$1 trillion</div></div> <div><div><input type="checkbox"/></div><div>3. \$500 billion</div></div> <div><div><input checked="" type="checkbox"/></div><div>4. \$689.88 billion</div></div>
Q.118	The mole (mol) is used to measure which of the following?
Ans	<div><div><input type="checkbox"/></div><div>1. Conductivity of a substance</div></div> <div><div><input type="checkbox"/></div><div>2. Temperature of a substance</div></div> <div><div><input type="checkbox"/></div><div>3. Pressure of a gas</div></div> <div><div><input checked="" type="checkbox"/></div><div>4. Amount of substance</div></div>
Q.119	When was the first passenger train service in India started?
Ans	<div><div><input type="checkbox"/></div><div>1. 1925</div></div> <div><div><input type="checkbox"/></div><div>2. 1885</div></div> <div><div><input checked="" type="checkbox"/></div><div>3. 1853</div></div> <div><div><input type="checkbox"/></div><div>4. 1903</div></div>
Q.120	What is the jurisdiction of a District Judge when dealing with civil matters?
Ans	<div><div><input type="checkbox"/></div><div>1. They only deal with small claims and petty disputes.</div></div> <div><div><input checked="" type="checkbox"/></div><div>2. They have original and appellate jurisdiction.</div></div> <div><div><input type="checkbox"/></div><div>3. They can only hear appeals from lower courts.</div></div> <div><div><input type="checkbox"/></div><div>4. They can only issue judgements without hearing arguments.</div></div>