



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



Exam Date	04/03/2025
Centre Name	iON Digital Zone iDZ Atchutapuram
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 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 2 years?

- Ans ☒ 1. 640  
☐ 2. 320  
☐ 3. 1280  
☐ 4. 2560

Q.2 Find the surface area of a sphere whose diameter is equal to 84 cm.

- Ans ☐ 1.  $6539\pi \text{ cm}^2$   
☐ 2.  $7035\pi \text{ cm}^2$   
☒ 3.  $7056\pi \text{ cm}^2$   
☐ 4.  $7733\pi \text{ cm}^2$

Q.3 Evaluate:  $41 - [21 - \{11 - (15 - 6 \div 3 \times 3)\}]$

- Ans ☐ 1. 17  
☐ 2. 24  
☐ 3. 19  
☒ 4. 22

Q.4 Nikhil sold a machine to Sonia at a profit of 33%. Sonia sold this machine to Aruna at a loss of 20%. If Nikhil paid ₹5,200 for this machine, then find the cost price of machine for Aruna.

- Ans ☒ 1. ₹5,532.8  
☐ 2. ₹5,632.8  
☐ 3. ₹5,832.8  
☐ 4. ₹5,732.8

Q.5 What is the smallest 5-digit number exactly divisible by 999?

- Ans ☐ 1. 19,999  
☒ 2. 10,989  
☐ 3. 10,899  
☐ 4. 10,999

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**Q.6** If the ratio of speed upstream and downstream is 5 : 7 and the speed of the stream is 6 m/sec, then what is the time taken by a boat to cover the total distance of 210 m both upstream and downstream?

- Ans**
- ☐ 1. 2 sec
  - ☐ 2. 7 sec
  - ☐ 3. 10 sec
  - ☒ 4. 12 sec

**Q.7** The value of an LED television depreciates every year by 5%. If the present value of the LED TV is ₹67,000, what will be its value after 2 years?

- Ans**
- ☒ 1. ₹60,467.50
  - ☐ 2. ₹59,746.50
  - ☐ 3. ₹59,816
  - ☐ 4. ₹60,476.75

**Q.8** A person can complete a journey in 9 hours. He covers the first one-third part of the journey at the rate of 10 km/h and the remaining distance at the rate of 20 km/h. What is the total distance of his journey (in km)?

- Ans**
- ☐ 1. 143
  - ☒ 2. 135
  - ☐ 3. 144
  - ☐ 4. 141

**Q.9** Kartik can do a piece of work in 4 hours. Ishan can do it in 20 hours. With the assistance of Krish, they completed the work in 2 hours. In how many hours can Krish alone do it?

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

**Q.10** The cost price of 20 articles is equal to the selling price of 16 articles. Find the profit percentage.

- Ans**
- ☒ 1. 25%
  - ☐ 2. 15%
  - ☐ 3. 20%
  - ☐ 4. 22%

**Q.11** Simplify the following.

- Ans**
- $$2\frac{3}{7} + \frac{11}{35} - 3\frac{13}{15}$$
- ☐ 1.  $1\frac{13}{105}$
  - ☒ 2.  $-1\frac{13}{105}$
  - ☐ 3.  $-\frac{13}{105}$
  - ☐ 4.  $\frac{13}{105}$

Q.12 The sum of five numbers is 655. The average of the first two numbers is 75 and the third number is 135. Find the average of the remaining two numbers?

- Ans
- ☐ 1. 210
  - ☐ 2. 211
  - ☒ 3. 185
  - ☐ 4. 186

Q.13 Rupesh bought 52 books for Rs 1130 from one shop and 47 books for Rs 910 from another. What is the average price (in Rs) he paid per book ?

- Ans
- ☒ 1. 1025.56
  - ☐ 2. 1040.56
  - ☐ 3. 1015.56
  - ☐ 4. 1035.56

Q.14 A number when increased by 50 %, gives 2430. The number is:

- Ans
- ☐ 1. 810
  - ☐ 2. 3240
  - ☒ 3. 1620
  - ☐ 4. 4860

Q.15 The average of first 127 odd natural numbers, is:

- Ans
- ☐ 1. 127.5
  - ☒ 2. 127
  - ☐ 3. 128
  - ☐ 4. 126.5

Q.16 Find the diameter of a cone whose volume and height are 3696 cubic units and 18 units, respectively. (Use  $\pi = \frac{22}{7}$ )

- Ans
- ☒ 1. 28 units
  - ☐ 2. 36 units
  - ☐ 3. 26 units
  - ☐ 4. 38 units

Q.17 The sum of 10 numbers is 240. Find their average.

- Ans
- ☐ 1. 25
  - ☐ 2. 22
  - ☐ 3. 23
  - ☒ 4. 24

Q.18 The value of a furniture set depreciates every year by 5%. If the present value of the furniture is ₹1,20,000, what will be its value after 2 years?

- Ans
- ☒ 1. ₹1,08,300
  - ☐ 2. ₹1,08,000
  - ☐ 3. ₹1,10,000
  - ☐ 4. ₹1,09,500

Q.19	If ₹2,000 is invested at an annual compound interest rate of 6% for 3 years, what is the amount after 3 years? (In nearest rupee)
Ans	<div><div><div>✖</div><div>1. ₹2,375</div></div><div><div>✖</div><div>2. ₹2,412</div></div><div><div>✖</div><div>3. ₹2,396</div></div><div><div>✔</div><div>4. ₹2,382</div></div></div>
Q.20	The marked price of a bicycle is ₹1,456. A shopkeeper allows a discount of 10% and gets a profit of 12%. Find the cost price of the bicycle.
Ans	<div><div><div>✖</div><div>1. ₹1,370</div></div><div><div>✖</div><div>2. ₹1,070</div></div><div><div>✔</div><div>3. ₹1,170</div></div><div><div>✖</div><div>4. ₹1,270</div></div></div>
Q.21	One side of a parallelogram is 24 cm and the corresponding altitude is 6 cm. Find the area of the parallelogram.
Ans	<div><div><div>✖</div><div>1. 120 cm<sup>2</sup></div></div><div><div>✔</div><div>2. 144 cm<sup>2</sup></div></div><div><div>✖</div><div>3. 12 cm<sup>2</sup></div></div><div><div>✖</div><div>4. 30 cm<sup>2</sup></div></div></div>
Q.22	An amount of ₹866 is divided among three persons in the ratio of 2 : 6 : 12. The difference between the largest and the smallest shares (in ₹) in the distribution is:
Ans	<div><div><div>✖</div><div>1. 517</div></div><div><div>✖</div><div>2. 355</div></div><div><div>✔</div><div>3. 433</div></div><div><div>✖</div><div>4. 336</div></div></div>
Q.23	Find the compound interest on ₹21,500 at 17% per annum for $1\frac{1}{2}$ year, interest being compounded half yearly. (Round to the nearest paise.)
Ans	<div><div><div>✖</div><div>1. ₹5,998.36</div></div><div><div>✔</div><div>2. ₹5,961.72</div></div><div><div>✖</div><div>3. ₹5,938.26</div></div><div><div>✖</div><div>4. ₹5,905.12</div></div></div>
Q.24	The marked price of an article is ₹16,000. A shopkeeper offered two successive discounts of 10% and 5%, respectively, to a customer. At what price did the customer buy that item?
Ans	<div><div><div>✖</div><div>1. ₹11,680</div></div><div><div>✔</div><div>2. ₹13,680</div></div><div><div>✖</div><div>3. ₹12,680</div></div><div><div>✖</div><div>4. ₹14,680</div></div></div>
Q.25	Evaluate: $41 - [21 - \{11 - (15 - 6 \div 2 \times 3)\}]$
Ans	<div><div><div>✔</div><div>1. 25</div></div><div><div>✖</div><div>2. 20</div></div><div><div>✖</div><div>3. 22</div></div><div><div>✖</div><div>4. 27</div></div></div>

Q.26	In a race, an athlete covers a distance of 360 m in 60 sec in the first lap. He covers the second lap of the same length in 180 sec. What is the average speed (in m/sec) of the athlete?
Ans	<div> <div>✖</div> <div>1. 9</div> </div> <div> <div>✖</div> <div>2. 12</div> </div> <div> <div>✔</div> <div>3. 3</div> </div> <div> <div>✖</div> <div>4. 10</div> </div>
Q.27	A fruit vendor restocks apples every 4 days and bananas every 6 days. If he restocks both fruits today, after how many days will he restock both apples and bananas on the same day again?
Ans	<div> <div>✖</div> <div>1. 8 days</div> </div> <div> <div>✔</div> <div>2. 12 days</div> </div> <div> <div>✖</div> <div>3. 10 days</div> </div> <div> <div>✖</div> <div>4. 16 days</div> </div>
Q.28	10 men and 6 women can do a piece of work in 4 days, whereas 12 men and 18 women can do it in 2 days. Find the ratio of the daily work done by a man to that done by a woman, respectively.
Ans	<div> <div>✔</div> <div>1. 3 : 4</div> </div> <div> <div>✖</div> <div>2. 2 : 1</div> </div> <div> <div>✖</div> <div>3. 1 : 2</div> </div> <div> <div>✖</div> <div>4. 4 : 3</div> </div>
Q.29	The sum of five numbers is 655. The average of the first two numbers is 75 and the third number is 107. Find the average of the remaining two numbers?
Ans	<div> <div>✔</div> <div>1. 199</div> </div> <div> <div>✖</div> <div>2. 200</div> </div> <div> <div>✖</div> <div>3. 182</div> </div> <div> <div>✖</div> <div>4. 183</div> </div>
Q.30	Isha can do a certain piece of work in 15 days. Isha and Smriti can together do the same work in 11 days, and Isha, Smriti and Ashlesha can do the same work together in 10 days. In how many days can Isha and Ashlesha do the same work?
Ans	<div> <div>✖</div> <div>1. <math>\frac{64}{6}</math></div> </div> <div> <div>✖</div> <div>2. <math>\frac{62}{7}</math></div> </div> <div> <div>✖</div> <div>3. <math>\frac{70}{5}</math></div> </div> <div> <div>✔</div> <div>4. <math>\frac{66}{5}</math></div> </div>
Q.31	Simplify $5\frac{1}{2} + 6\frac{1}{2} - 8\frac{1}{4} + 24 - [9 - \{6 - (10 - 4 - 3)\}]$ .
Ans	<div> <div>✖</div> <div>1. <math>12\frac{1}{4}</math></div> </div> <div> <div>✖</div> <div>2. <math>12\frac{3}{4}</math></div> </div> <div> <div>✖</div> <div>3. <math>15\frac{1}{4}</math></div> </div> <div> <div>✔</div> <div>4. <math>15\frac{3}{4}</math></div> </div>

**Q.32** Three bells ring at intervals of 12 minutes, 18 minutes, and 24 minutes, respectively. If they all ring together at 12:00 p.m., In how many minutes will they all ring together again?

- Ans**
- ☐ 1. 108
  - ☐ 2. 6
  - ☒ 3. 72
  - ☐ 4. 36

**Q.33** If 2 , 64 , 86 , and y are in proportion, then the value of y is:

- Ans**
- ☐ 1. 2767
  - ☐ 2. 2762
  - ☒ 3. 2752
  - ☐ 4. 2757

**Q.34** Evaluate:

$$\sqrt{\left(92 + \sqrt{\left(60 + \sqrt{\left(11 + \sqrt{\left(16 + \sqrt{(81)}\right)}\right)}\right)}\right)}$$

- Ans**
- ☒ 1. 10
  - ☐ 2. 13
  - ☐ 3. 6
  - ☐ 4. 9

**Q.35** A bus travelling at 11 km/h completes a journey in 14 hours. At what speed will it have to cover the same distance in 11 hours?

- Ans**
- ☐ 1. 18 km/h
  - ☐ 2. 23 km/h
  - ☒ 3. 14 km/h
  - ☐ 4. 4 km/h

Section : General Intelligence and Reasoning

**Q.36** What should come in place of '?' in the given series based on the English alphabetical order?

SLN QJL OHJ MFH ?

- Ans**
- ☒ 1. KDF
  - ☐ 2. KCG
  - ☐ 3. KCF
  - ☐ 4. KDG

**Q.37** Jatin starts from Point A and drives 9 km towards West. He then takes a right turn, drives 7 km, turns right and drives 13 km. He then takes a right turn and drives 11 km. He takes a final right turn, drives 4 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. 5 km to the south
  - ☐ 2. 5 km to the north
  - ☐ 3. 4 km to the south
  - ☒ 4. 4 km to the north

**Q.38** In a certain code language,  
A ~ B means 'A is the father of B',  
A + B means 'A is the wife of B',  
A = B means 'A is the brother of B',  
A - B means 'A is the mother of B'.

Based on the above, how is C related to F if 'C ~ H = I - E + F'?

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

**Q.39** 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 carrots are onions.  
All onions are gingers.  
Some gingers are potatoes.

**Conclusions:**  
(I) All potatoes are onions.  
(II) All gingers are carrots.

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

**Q.40** Three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the letter-cluster pair that does NOT belong to that group?  
(Note: The odd one out is not based on the number of consonants/vowels or their positions in the letter-cluster.)

- Ans**
- ☒ 1. AM - KV
  - ☒ 2. OA - YJ
  - ☒ 3. KW - UF
  - ☒ 4. FK - TA

**Q.41** 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 letters are paragraphs.  
All paragraphs are sentences.

**Conclusions:**  
(I) Some sentences are letters.  
(II) All paragraphs are letters.

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

Q.42 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.)

24 - 10 - 14  
33 - 11 - 22

- Ans
- ☐ 1. 3 - 2 - 4
  - ☒ 2. 10 - 3 - 7
  - ☐ 3. 5 - 1 - 3
  - ☐ 4. 54 - 3 - 48

Q.43 Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

CJP : CKP  
GTM : GUM

- Ans
- ☐ 1. EUW : WVE
  - ☐ 2. JMS : JLS
  - ☐ 3. HLT : HNT
  - ☒ 4. TDF : TEF

Q.44 In a certain code language, 'FILE' is coded as '3872' and 'LIVE' is coded as '7286'. What is the code for 'V' in the given code language?

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

Q.45 Oren starts from Point A and drives 13 km towards West. He then takes a left turn, drives 3 km, turns left and drives 16 km. He then takes a left turn and drives 7 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.)

- Ans
- ☐ 1. 3 km to the North
  - ☐ 2. 4 km to the North
  - ☒ 3. 4 km to the South
  - ☐ 4. 3 km to the South

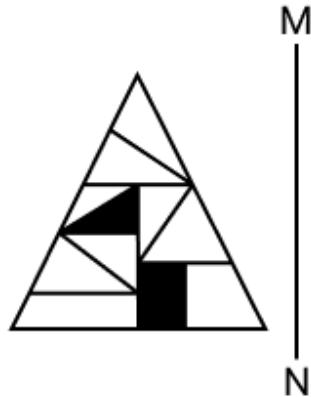
Q.46 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.  
Statements:  
Some onions are potatoes.  
No potato is a carrot.  
Conclusions:  
(I): No potato is an onion.  
(II): Some carrots are potatoes.

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

Q.47 P, Q, R, S, T, U and V are sitting around a circular table facing the centre. Only two people sit between S and V when counted from the left of V. T sits third to the left of U. P sits to the immediate right of U. P sits second to the left of S. Q is an immediate neighbour of T. How many people sit between R and V when counted from the right of V?

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

Q.48 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.49 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

KM37 IK48 GI59 EG70 ?

Ans ☒ 1. CF81

☒ 2. CE82

☒ 3. CE81

☒ 4. CF82

Q.50 Refer to the following number, symbol series and answer the question.  
Counting to be done from left to right only.  
(Left) Ω 9 % 3 1 \* £ 5 4 2 & 6 # @ 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. 4

☒ 2. 1

☒ 3. 3

☒ 4. 2

Q.51 A, B, C, D, E and F are sitting around a circular table facing the centre. C sits third to the right of D. D sits second to the left of F. B sits third to the right of A. A sits to the immediate left of E. How many people sit between B and C when counted from the left of C?

Ans ☒ 1. Two

☒ 2. One

☒ 3. Four

☒ 4. None

Q.52 This question is based on the five, three-digit numbers given below.

(Left) 271 145 432 372 457 (Right)

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

If all the numbers are arranged in descending order, the position(s) of how many numbers will remain unchanged?

Ans ☒ 1. 2

☒ 2. 3

☒ 3. 0

☒ 4. 1

Q.53 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. LPN

☒ 2. HLN

☒ 3. BFD

☒ 4. RVT

Q.54 Seven students, Q, R, S, T, W, X and Y, are sitting in a straight line facing north. No one sits to the left of R. X sits to the immediate left of S. Only four people sit between R and T. Only three people sit to the right of Y. W is not an immediate neighbour of Y. How many people sit between W and Y?

Ans ☒ 1. Two

☒ 2. Four

☒ 3. One

☒ 4. Three

Q.55 This question is based on the five, three-digit numbers given below.

(Left) 284 452 371 372 763 (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 third digit of the highest number is added to the second digit of the lowest number?

- Ans
1. 13

2. 12

3. 10

4. 11

Q.56 Select the pair that follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.  
MOR–QSV  
TVY–XZC

- Ans
1. SUX–WYB

2. WYB–ZCE

3. WXZ–ZBE

4. WXZ–ACF

Q.57 What should come in place of the question mark (?) in the given series?

12 22 34 48 64 ?

- Ans
1. 90

2. 86

3. 82

4. 94

Q.58 In a certain code language,  
A ! B means ‘A is the wife 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 father of B’  
Based on the above, how is H related to E if ‘H ~ O # S + T ! E’?

- Ans
1. Wife's mother's son

2. Wife's father's sister

3. Wife's mother's father

4. Wife's sister's brother

Q.59 What will come in the place of ‘?’ in the following equation, if ‘+’ and ‘–’ are interchanged and ‘×’ and ‘÷’ are interchanged?  
32 – 24 + 18 ÷ 36 × 12 = ?

- Ans
1. 2

2. -3

3. -13

4. -8

Q.60 Select the number from among the given options that can replace the question mark (?) in the following series.

8 18 60 174 528 ?

- Ans
1. 1576

2. 1574

3. 1578

4. 1577

Q.61	What should come in place of the question mark (?) in the given series?  72 76 84 96 112 ?  Ans <div><div>✗ 1. 123</div><div>✗ 2. 154</div><div>✗ 3. 145</div><div>✓ 4. 132</div></div>
Q.62	What will come in the place of the question mark (?) in the following equation if '+' and 'x' are interchanged and '-' and '÷' are interchanged? 81 - 9 + 6 ÷ 36 x 13 = ?  Ans <div><div>✗ 1. 112</div><div>✗ 2. 151</div><div>✗ 3. 103</div><div>✓ 4. 31</div></div>
Q.63	Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.  NUT : LSR VOG : TME  Ans <div><div>✓ 1. CLM : AJK</div><div>✗ 2. FAY : EDZ</div><div>✗ 3. DVG : HWB</div><div>✗ 4. QMD : SNH</div></div>
Q.64	All 51 students in a class are standing in a row facing north. Aditi is 21 <sup>st</sup> from the right end while Sagar is 35 <sup>th</sup> from the left end. How many people stand between Aditi and Sagar?  Ans <div><div>✗ 1. 2</div><div>✗ 2. 5</div><div>✓ 3. 3</div><div>✗ 4. 4</div></div>
Q.65	D, E, F, U, V and X 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. D lives on floor numbered 4. Only two people live between D and F. Only U lives between D and E. X lives immediately below D. Who lives on floor numbered 2?  Ans <div><div>✗ 1. F</div><div>✓ 2. V</div><div>✗ 3. U</div><div>✗ 4. E</div></div>
Q.66	Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?  TGH 18, SIG 24, RKF 30, QME 36, ?  Ans <div><div>✓ 1. POD 42</div><div>✗ 2. OPD 40</div><div>✗ 3. RNF 42</div><div>✗ 4. SOG 42</div></div>

Q.67 Select the figure from among the given options that can replace the question mark (?) to logically complete the following series.

9	7	±	7	±	¢	Σ	¢	
	Σ		9		7		±	?
¢		±	¢	Σ	9	Σ	9	7

Ans

✗ 1.

±		Σ
	7	
¢		9

✗ 2.

9		±
	¢	
Σ		7

✓ 3.

Σ		9
	¢	
±		7

✗ 4.

7		¢
	Σ	
9		±

Q.68 In a certain code language, 'SAND' is coded as '2567' and 'HAND' is coded as '7521'. What is the code for 'H' in the given code language?

- Ans
- ✓ 1. 1
  - ✗ 2. 7
  - ✗ 3. 2
  - ✗ 4. 5

Q.69 What will come in the place of the question mark (?) in the following equation if '+' and '÷' are interchanged?

20 + 5 ÷ 5 – 10 = ?

- Ans
- ✗ 1. 10
  - ✓ 2. – 1
  - ✗ 3. 11
  - ✗ 4. – 5

Q.70 In a certain code language, 'green colour is my favourite' is coded as 'ni li pi si fu' and 'trees are dark green' is coded as 'ai pi bi ii'. How is 'green' coded in the given language?

- Ans
- ✗ 1. bi
  - ✗ 2. si
  - ✗ 3. li
  - ✓ 4. pi

Section : General Awareness

Q.71 Which Section of the Citizenship Act, 1955, did the Supreme Court of India uphold in October 2024?

- Ans
- ☒ 1. Section 6A
  - ☐ 2. Section 7
  - ☐ 3. Section 8A
  - ☐ 4. Section 6B

Q.72 Which of these programmes aims to improve the physical infrastructure in rural areas?

- Ans
- ☐ 1. Make in India
  - ☒ 2. Pradhan Mantri Gram Sadak Yojana (PMGSY)
  - ☐ 3. Smart Cities Mission
  - ☐ 4. Digital India

Q.73 Who appoints the Chief Minister of a State?

- Ans
- ☐ 1. The Speaker of the State Assembly
  - ☐ 2. The President of India
  - ☐ 3. The Prime Minister of India
  - ☒ 4. The Governor of the State

Q.74 What is the title of Arundhati Roy's first memoir, which is set to release in September 2025?

- Ans
- ☐ 1. The Mother's Heart
  - ☐ 2. Memoirs of a Silent Woman
  - ☒ 3. Mother Mary Comes to Me
  - ☐ 4. Journey of the Soul

Q.75 Which extremist leader later adopted a spiritual path and was associated with Pondicherry (Puducherry)?

- Ans
- ☐ 1. Bal Gangadhar Tilak
  - ☐ 2. Bipin Chandra Pal
  - ☒ 3. Aurobindo Ghosh
  - ☐ 4. Lala Lajpat Rai

Q.76 Which British officer fought in the famous Battle of Chinhat?

- Ans
- ☐ 1. Sir Colin Campbell
  - ☐ 2. Lord Hasting
  - ☐ 3. General Hugh Rose
  - ☒ 4. Henry Lawrence

Q.77 Justice Sanjiv Khanna took oath as the \_\_\_\_\_ Chief Justice of India on November 11, 2024.

- Ans
- ☐ 1. 52<sup>nd</sup>
  - ☐ 2. 50<sup>th</sup>
  - ☐ 3. 54<sup>th</sup>
  - ☒ 4. 51<sup>st</sup>

Q.78 In which city did Jyotiba Phule with his wife start India's first girls' school in 1848?

- Ans
- ☒ 1. Poona
  - ☐ 2. Calcutta
  - ☐ 3. Delhi
  - ☐ 4. Madras

Q.79 The book ‘Religion and Ideology of the Rebels of 1857’ was written by:

- Ans
- ☐

1. Ashok Mehta
- ☐

2. Puran Chandra Joshi
- ☐

3. RC Majumdar
- ☒

4. Iqbal Husain

Q.80 Which of the following statements is/are correct in the context of the consequences of the 1857 revolt?  
I. Lord Canning held Durbar at Allahabad in November 1857.  
II. The Indian administration was taken over by Queen Victoria.

- Ans
- ☐

1. Only I
- ☐

2. Neither I nor II
- ☒

3. Only II
- ☐

4. Both I and II

Q.81 The Kavaratti Island is a part of which Union Territory/Territories of India?

- Ans
- ☐

1. Andaman and Nicobar Islands
- ☐

2. Puducherry
- ☐

3. Dadra and Nagar Haveli & Daman and Diu
- ☒

4. Lakshadweep

Q.82 Which type of wall is present in the closed system?

- Ans
- ☐

1. Permeable wall
- ☐

2. Semi-permeable wall
- ☐

3. Adiabatic wall
- ☒

4. Diathermal wall

Q.83 Which industry was most developed in India before Independence?

- Ans
- ☒

1. Textile industry
- ☐

2. IT industry
- ☐

3. Electronics industry
- ☐

4. Automobile industry

Q.84 On August 22, 2024, Bandhan Bank launched 'Avni' savings account, a product specially designed for women that offers personal accident insurance cover of \_\_\_\_.

- Ans
- ☐

1. ₹5 lakh
- ☐

2. ₹2 lakh
- ☒

3. ₹10 lakh
- ☐

4. ₹8 lakh

Q.85 Which country has joined the Hague System in 2024, expanding the geographical scope of WIPO’s international design system to 97 countries?

- Ans
- ☐

1. South Sudan
- ☐

2. North Korea
- ☐

3. Nepal
- ☒

4. Saint Kitts and Nevis

Q.86 Who was the third ruler of the Maurya Empire?

- Ans
- ☒

1. Ashoka
- ☐

2. Chandragupta
- ☐

3. Brihadratha
- ☐

4. Bindusara

Q.87 Who secretly reorganised the Hindustan Republican Association (HRA) with Bhagat Singh and other rebels in 1928 and changed its name to Hindustan Socialist Republican Association (HSRA)?

- Ans
- ☒

1. Chandra Shekhar Azad
- ☐

2. Sardar Vallabhbhai Patel
- ☐

3. Subhas Chandra Bose
- ☐

4. Chittaranjan Das

Q.88 In 1706, the compilations of the holy scripture of the Sikhs, Guru Granth Sahib, was authenticated by whom of the following?

- Ans
- ☒

1. Guru Gobind Singh
- ☐

2. Guru Arjan Dev
- ☐

3. Guru Angad Dev
- ☐

4. Guru Nanak Dev

Q.89 Phase change reaction in Daniell cell is an example of:

- Ans
- ☐

1. Isochoric process
- ☒

2. Reversible process
- ☐

3. Cyclic process
- ☐

4. Irreversible process

Q.90 What is the target number of marginal farmers HDFC Bank aims to support under the ‘Parivartan’ initiative by 2025?

- Ans
- ☐

1. 1 lakh
- ☐

2. 3 lakh
- ☒

3. 5 lakh
- ☐

4. 10 lakh

Q.91 When did India reach its record low Statutory Liquidity Ratio (SLR) of 18.00%?

- Ans
- ☐

1. March 2024
- ☐

2. January 2024
- ☒

3. November 2024
- ☐

4. February 2015

Q.92 What percentage of India's population depended on agriculture at the time of independence?

- Ans
- ☐

1. 35%
- ☐

2. 50%
- ☐

3. 90%
- ☒

4. 75%

Q.93 Khardung La Pass, one of the highest motorable passes in the world, is located in which of the following States/Union Territories?

- Ans
- ☐

1. Sikkim
- ☒

2. Ladakh
- ☐

3. Himachal Pradesh
- ☐

4. Jammu and Kashmir

Q.94 Which of the following Articles of the Constitution provides for the establishment of a Legislative Assembly in a Union Territory?

- Ans
- ☐

1. Article 240
- ☒

2. Article 239A
- ☐

3. Article 241
- ☐

4. Article 239

Q.95 The State is required to promote the welfare of the people as per which Article of the Indian Constitution?

- Ans
- ☐

1. Article 51
- ☐

2. Article 39
- ☒

3. Article 38
- ☐

4. Article 52

Q.96 The Five-Year Plans in India were based on the model of which economist?

- Ans
- ☐

1. Karl Marx
- ☒

2. Mahalanobis
- ☐

3. Adam Smith
- ☐

4. John Maynard Keynes

Q.97 The Financial Services Institutions Bureau (FSIB) has recommended Ashok Chandra as the next Managing Director and CEO of which bank in October 2024?

- Ans
- ☐

1. Canara Bank
- ☒

2. Punjab National Bank
- ☐

3. State Bank of India
- ☐

4. Bank of Baroda

Q.98 Yeast is commonly used in kitchen for baking and brewing. The scientific name for baker's yeast is \_\_\_\_\_.

- Ans
- ☐

1. Bacillus subtilis
- ☒

2. Saccharomyces cerevisiae
- ☐

3. Escherichia coli
- ☐

4. Lactobacillus acidophilus

Q.99 What is the main feature of the Bhangar region in the Northern Plains?

- Ans
- ☐

1. Rocky terrain
- ☒

2. Old alluvial soils
- ☐

3. Fertile soils
- ☐

4. Black soils

Q.100 Which of the following are the categories to measure the level of Human Development of the countries?

1. Very High
2. Medium
3. Low
4. Below Average

- Ans
- ☒

1. 1, 2 and 3 only
- ☐

2. 1 and 2 only
- ☐

3. 3 and 4 only
- ☐

4. 1, 2, 3 and 4

Q.101 Which of the following signed the Bilateral Investment Treaty (BIT) in September 2024?

- Ans
- ☐ 1. Government of the Republic of India and the Government of Republic of Indonesia
  - ☐ 2. Government of the Republic of India and the Government of Republic of Congo
  - ☒ 3. Government of the Republic of India and the Government of Republic of Uzbekistan
  - ☐ 4. Government of the Republic of India and the Government of Republic of South Africa

Q.102 Between September 2023 and March 2024, according to the financial stability report of the Reserve Bank of India (RBI), the Liquidity Coverage Ratio (LCR) of banks declined to .

- Ans
- ☒ 1. 130.3%
  - ☐ 2. 110%
  - ☐ 3. 101.3%
  - ☐ 4. 120%

Q.103 Which two fundamental electrical quantities are related by the Ohm's Law?

- Ans
- ☐ 1. Current and power
  - ☐ 2. Power and resistance
  - ☒ 3. Voltage and current
  - ☐ 4. Voltage and power

Q.104 Subatomic particles like electrons, protons and neutrons exhibit:

- Ans
- ☒ 1. both particle and wave nature
  - ☐ 2. macroparticle nature
  - ☐ 3. only wave nature
  - ☐ 4. only particle nature

Q.105 In which year Swami Dayanand Saraswati founded the Arya Samaj in Bombay?

- Ans
- ☐ 1. 1895
  - ☒ 2. 1875
  - ☐ 3. 1885
  - ☐ 4. 1865

Q.106 The States Human Rights Commission is a/an:

- Ans
- ☒ 1. statutory body
  - ☐ 2. inter-state body
  - ☐ 3. constitutional body
  - ☐ 4. non-profit organisation

Q.107 Which of the following states of India is located on the coast of the Arabian Sea?

- Ans
- ☐ 1. Andhra Pradesh
  - ☐ 2. Tamil Nadu
  - ☒ 3. Karnataka
  - ☐ 4. Odisha

Q.108 What was a key change introduced in agriculture as part of the 1991 economic reforms?

- Ans
- ☐ 1. Subsidies were increased significantly.
  - ☐ 2. All agricultural lands were nationalised.
  - ☐ 3. Traditional farming methods were mandated.
  - ☒ 4. Restrictions on exports of agricultural products were reduced.

Q.109	In 1990, the National Front coalition government introduced the recommendations of the Mandal Commission for _____ of reservation for OBC candidates at all levels of government services.
Ans	<div><div><div>✖</div><div>1. 15%</div></div><div><div>✔</div><div>2. 27%</div></div><div><div>✖</div><div>3. 30%</div></div><div><div>✖</div><div>4. 21%</div></div></div>
Q.110	A festival of the Jain community, Deo Deepawali, which is celebrated 10 days after Deepawali to mark the attainment of nirvana (death) by Mahavira, is mainly celebrated at _____ in Bihar.
Ans	<div><div><div>✖</div><div>1. Bodh Gaya</div></div><div><div>✖</div><div>2. Sarnath</div></div><div><div>✔</div><div>3. Pawapuri</div></div><div><div>✖</div><div>4. Patna</div></div></div>
Q.111	Which of the following is an example of a heavy metal that the Indian Institute of Science (IISc) researchers aimed to reduce in groundwater with their nanomaterial-based solution in September 2024?
Ans	<div><div><div>✖</div><div>1. Calcium</div></div><div><div>✔</div><div>2. Chromium</div></div><div><div>✖</div><div>3. Sodium</div></div><div><div>✖</div><div>4. Potassium</div></div></div>
Q.112	Where is the 46 <sup>th</sup> session of UNESCO's World Heritage Committee being held in July 2024?
Ans	<div><div><div>✖</div><div>1. Rome, Italy</div></div><div><div>✖</div><div>2. Beijing, China</div></div><div><div>✔</div><div>3. New Delhi, India</div></div><div><div>✖</div><div>4. Paris, France</div></div></div>
Q.113	Which of the following crops is commonly grown in dry, arid areas and requires minimal water?
Ans	<div><div><div>✖</div><div>1. Rice</div></div><div><div>✔</div><div>2. Bajra</div></div><div><div>✖</div><div>3. Jute</div></div><div><div>✖</div><div>4. Wheat</div></div></div>
Q.114	Which Act abolished the dyarchy in provinces and introduced provincial autonomy during the British rule?
Ans	<div><div><div>✖</div><div>1. Indian Councils Act, 1909</div></div><div><div>✖</div><div>2. Government of India Act, 1919</div></div><div><div>✔</div><div>3. Government of India Act, 1935</div></div><div><div>✖</div><div>4. Indian Independence Act, 1947</div></div></div>
Q.115	What is the primary characteristic of the Thar Desert's soil?
Ans	<div><div><div>✖</div><div>1. Rocky soil</div></div><div><div>✖</div><div>2. Wet and marshy soil</div></div><div><div>✔</div><div>3. Sandy and dry soil</div></div><div><div>✖</div><div>4. Fertile and black soil</div></div></div>

Q.116 IMT 2030 can be defined as a/an \_\_\_\_\_.

- Ans
- ✓ 1. 6<sup>th</sup>-Generation or 6G technology
  - ✗ 2. super computer
  - ✗ 3. AI-based domain name
  - ✗ 4. 7<sup>th</sup>-Generation technology

Q.117 Which of the following pairs of nuclear power reactor and its state is correct?

- Ans
- ✗ 1. Kalpakkam - Kerala
  - ✗ 2. Kaiga - Maharashtra
  - ✓ 3. Rawatbhata – Rajasthan
  - ✗ 4. Kakrapar - Karnataka

Q.118 Which of the following/who among the following is/are NOT covered under the jurisdiction of the Central Administrative Tribunal (CAT)?

- Ans
- ✗ 1. The Central Civil Services
  - ✗ 2. All India Services
  - ✗ 3. Civilian employees of defense services
  - ✓ 4. Members of the defense forces

Q.119 Admission and allocation of new states is mentioned in which of the following Articles of the Indian Constitution?

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

Q.120 In the Global Innovation Index (GII) 2024, India ranked 39<sup>th</sup> out of 133 economies. Which organisation published this report?

- Ans
- ✗ 1. World Bank
  - ✗ 2. United Nations Development Programme (UNDP)
  - ✗ 3. International Monetary Fund (IMF)
  - ✓ 4. World Intellectual Property Organization (WIPO)