



रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन आर पी एफ - ०१/२०२४ - CEN RPF - 01/2024



Community	UR
Test Center Name	Saraswati College of Education
Test Date	12/12/2024
Test Time	12:30 PM - 2:00 PM
Subject	Recruitment of Sub Inspector Executive in Railway Protection Force and Railway Protection Special Force

\* 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

Express the following into vulgar fraction  $0.1\overline{69} + 0.\overline{3}$ .

Ans

✗ 1.

$\frac{151}{990}$

✗ 2.

$\frac{151}{900}$

✓ 3.

$\frac{151}{300}$

✗ 4.

$\frac{152}{300}$

Q.2

A flask is full of 20% sulphuric acid solution. A part of this 20% sulphuric acid solution is replaced by a 4% sulphuric acid solution and in this process 10% sulphuric acid solution is obtained. What fraction of 20% sulphuric acid solution is replaced from the flask?

Ans

✗ 1.

$\frac{3}{5}$

✓ 2.

$\frac{5}{8}$

✗ 3.

$\frac{7}{8}$

✗ 4.

$\frac{2}{5}$

Q.3

Which of the following fractions is the largest?  
 $\frac{2}{8}, \frac{7}{24}, \frac{51}{76}, \frac{82}{85}$

Ans

✓ 1.

$\frac{82}{85}$

✗ 2.

$\frac{7}{24}$

✗ 3.

$\frac{2}{8}$

✗ 4.

$\frac{51}{76}$

Q.4

The average price of three items of furniture is Rs 15990. If their prices are in the ratio 3:5:7, the price of the costliest item (in Rs) is

Ans

✗ 1.

5330

✗ 2.

3198

✓ 3.

22386

✗ 4.

7462

Q.5

If third proportional of 48 and 24 be x, then what is the value of x?

Ans

✓ 1.

12

✗ 2.

10

✗ 3.

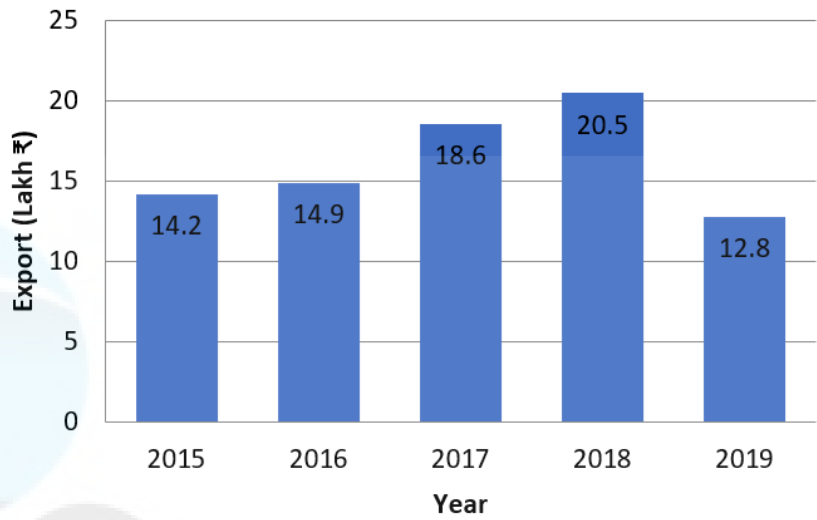
13

✗ 4.

15

Q.6	A bank offers 9.6% compound interest per annum calculated on a half-yearly basis. A customer deposits ₹8908 each on 1 January and 1 July of a year. At the end of the year, the amount he would have gained by way of interest is _____. [Give your answer correct to 2 decimal places.]
Ans	<div>✓ 1. ₹1303.27</div> <div>✗ 2. ₹1303.08</div> <div>✗ 3. ₹1299.47</div> <div>✗ 4. ₹1313.27</div>
Q.7	In an election between two candidates, 75% of the eligible voters cast their votes and 6% of the votes cast were declared invalid. A candidate got 15228 votes, which were 90% of the total valid votes. Find the total number of eligible voters.
Ans	<div>✗ 1. 24850</div> <div>✗ 2. 27000</div> <div>✗ 3. 25600</div> <div>✓ 4. 24000</div>
Q.8	If $p = \{(-1.5) \times (-8.2) - 3.3\}$ then find the sum of the digits in $p^3$ .
Ans	<div>✓ 1. 18</div> <div>✗ 2. 15</div> <div>✗ 3. 16</div> <div>✗ 4. 17</div>
Q.9	The value of $\frac{4}{7} + \frac{5}{7} + \frac{3}{14} + \frac{1}{7} - 2 =$
Ans	<div>✗ 1. <math>\frac{1}{14}</math></div> <div>✗ 2. <math>\frac{5}{14}</math></div> <div>✗ 3. <math>-\frac{8}{14}</math></div> <div>✓ 4. <math>-\frac{5}{14}</math></div>
Q.10	Which of the following fractions is the largest? $\frac{3}{5}, \frac{2}{44}, \frac{40}{47}, \frac{35}{53}$
Ans	<div>✓ 1. <math>\frac{40}{47}</math></div> <div>✗ 2. <math>\frac{35}{53}</math></div> <div>✗ 3. <math>\frac{3}{5}</math></div> <div>✗ 4. <math>\frac{2}{44}</math></div>
Q.11	The side of a rhombus is 20 cm and the length of the one of the diagonals is 32 cm. Find the area (in $\text{cm}^2$ ) of the rhombus.
Ans	<div>✗ 1. 484</div> <div>✓ 2. 384</div> <div>✗ 3. 424</div> <div>✗ 4. 560</div>

Q.12 The following bar graph represents the export of sugarcane (in lakh ₹) during five years. Study the bar graph carefully and answer the question given below:



What is the approximate per cent decrement in export in 2019 in comparison to the average export during these five years?

- Ans
- ☒ 1. 20%
  - ☒ 2. 21%
  - ☒ 3. 22%
  - ☒ 4. 19%

Q.13 Mamta and Geeta invest in a business in the ratio 1 : 11. If total profit is Rs. 4500, then what is difference between the profit (in Rs.) of Mamta and Geeta?

- Ans
- ☒ 1. 3700
  - ☒ 2. 3850
  - ☒ 3. 3900
  - ☒ 4. 3750

Q.14 A 372 m long train crosses a man walking at a speed of 6.9 km/h in the opposite direction in 24 seconds. What is the speed (in km/h) of the train?

- Ans
- ☒ 1. 49.2
  - ☒ 2. 48.9
  - ☒ 3. 46.5
  - ☒ 4. 51.3

Q.15 What time (in seconds) is required for a 284 m long train to cross a 676 m long tunnel, if the train travels at a speed of 18 km/h?

- Ans
- ☒ 1. 195
  - ☒ 2. 193
  - ☒ 3. 192
  - ☒ 4. 188

Q.16 By selling an article at  $\frac{6}{14}$  of its actual selling price, Sharad incurs a loss of 12%. If he sells it at 90% of its actual selling price, then

- Ans
- ☒ 1. 85.9%
  - ☒ 2. 85.4%
  - ☒ 3. 87.9%
  - ☒ 4. 84.8%

Q.17 The smallest 1-digit number to be added to the 6-digit number 723265 so that it is completely divisible by 11 is:

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

Q.18 A number when increased by 50 %, gives 3900. The number is:

- Ans
- ☒ 1. 1300
  - ☒ 2. 7800
  - ☒ 3. 2600
  - ☒ 4. 5200

Q.19	If x varies inversely as $y^3 - 1$ and is equal to 3 when $y = 2$ , find x when $y = 4$ .
Ans	<div>✓ 1. <math>\frac{1}{3}</math></div> <div>✗ 2. <math>\frac{2}{4}</math></div> <div>✗ 3. <math>\frac{1}{4}</math></div> <div>✗ 4. <math>\frac{3}{3}</math></div>
Q.20	A person covers certain distance in 9 hours at a speed of 7 km/h and some more distance in 5 hours at a speed of 5 km/h. Find his average speed for the entire distance covered.
Ans	<div>✗ 1. <math>7\frac{2}{7}</math></div> <div>✓ 2. <math>6\frac{2}{7}</math></div> <div>✗ 3. <math>5\frac{2}{7}</math></div> <div>✗ 4. <math>8\frac{2}{7}</math></div>
Q.21	The smallest natural number which is divisible by 24, 16, 15 and 40 is:
Ans	<div>✓ 1. 240</div> <div>✗ 2. 245</div> <div>✗ 3. 172</div> <div>✗ 4. 180</div>
Q.22	Find the gain percentage, given that Anubha sold her scooter for ₹97830 gaining $\frac{1}{5}$ th of the selling price.
Ans	<div>✗ 1. 40%</div> <div>✗ 2. 35%</div> <div>✗ 3. 30%</div> <div>✓ 4. 25%</div>
Q.23	The sides of a triangle are 60 cm, 61 cm, and 11 cm. What is its area? (in $\text{cm}^2$ )
Ans	<div>✗ 1. 328</div> <div>✗ 2. 349</div> <div>✗ 3. 309</div> <div>✓ 4. 330</div>
Q.24	The number 18579285492174 is divisible by:
Ans	<div>✗ 1. 9</div> <div>✓ 2. 11</div> <div>✗ 3. 4</div> <div>✗ 4. 5</div>
Q.25	The average marks of 35 students is 52. If each student's marks are decreased by 3, what will be the sum of the digits of the new average?
Ans	<div>✗ 1. 12</div> <div>✓ 2. 13</div> <div>✗ 3. 15</div> <div>✗ 4. 14</div>
Q.26	The area of a square plot is $7569 \text{ m}^2$ . The length of each side of the plot (in m) is:
Ans	<div>✗ 1. 63</div> <div>✓ 2. 87</div> <div>✗ 3. 69</div> <div>✗ 4. 97</div>
Q.27	The difference between the simple interest and the compound interest, compounded annually, on a certain sum of money for 2 years at 14% per annum is ₹633. Find the sum. [Give your answer to integral number without rounded off.]
Ans	<div>✗ 1. ₹32282</div> <div>✗ 2. ₹32288</div> <div>✗ 3. ₹32313</div> <div>✓ 4. ₹32295</div>

Q.28	The areas of three adjacent faces of a solid cuboid are 192 cm <sup>2</sup> , 242 cm <sup>2</sup> and 24 cm <sup>2</sup> . What is the volume (in cm <sup>3</sup> ) of the cuboid?
Ans	<div>✗ 1. 1042</div> <div>✗ 2. 1328</div> <div>✓ 3. 1056</div> <div>✗ 4. 1132</div>
Q.29	A shopkeeper sells an item for ₹953.7 after giving two successive discounts of 49% and 75% on its marked price. Had he not given any discount, he would have earned a profit of 10%. What is the cost price (in ₹) of the item?
Ans	<div>✓ 1. 6800</div> <div>✗ 2. 6794</div> <div>✗ 3. 6763</div> <div>✗ 4. 6796</div>
Q.30	During sale, Raghav bought a notebook marked for ₹50 at 10% discount and a pen marked for ₹100 at 83% discount. How much (in ₹) did he save due to sale?
Ans	<div>✗ 1. 86</div> <div>✗ 2. 91</div> <div>✓ 3. 88</div> <div>✗ 4. 89</div>
Q.31	The average price of three items of furniture is Rs 15945. If their prices are in the ratio 3:5:7, the price of the costliest item (in Rs) is
Ans	<div>✗ 1. 5315</div> <div>✗ 2. 3189</div> <div>✗ 3. 7441</div> <div>✓ 4. 22323</div>
Q.32	Anmol completes his journey in 15 hours. He covers half the distance at 62 km/h and the rest at 93 km/h. What is the length of the journey (in Km)?
Ans	<div>✗ 1. 1114</div> <div>✗ 2. 1110</div> <div>✗ 3. 1117</div> <div>✓ 4. 1116</div>
Q.33	Find the simple interest (in ₹) on ₹2000 at 6.5% per annum rate of interest for the period from 3 February 2023 to 17 April 2023
Ans	<div>✗ 1. 24</div> <div>✗ 2. 27</div> <div>✗ 3. 25</div> <div>✓ 4. 26</div>
Q.34	Find the value of $\left[ (20 \times 13) \times \left\{ 4 \div 4 \times \frac{(19 - 13)}{3} \right\} \right]$
Ans	<div>✗ 1. 525</div> <div>✗ 2. 510</div> <div>✓ 3. 520</div> <div>✗ 4. 527</div>
Q.35	The average of 41 numbers is 58. The average of the first 16 numbers is 46 and the average of the last 26 numbers is 66. If the 16th number from the beginning is excluded, then what is the average of the remaining numbers?
Ans	<div>✗ 1. 61.1</div> <div>✗ 2. 53.107</div> <div>✗ 3. 55.81</div> <div>✓ 4. 57.6</div>
Section : General Intelligence and Reasoning	
Q.36	Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of ::? # : HLP :: LPT : %
Ans	<div>✗ 1. # = AEI, % = SWO</div> <div>✗ 2. # = AEI, % = UWA</div> <div>✓ 3. # = AEI, % = SWA</div> <div>✗ 4. # = BEI, % = SWA</div>
Q.37	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	<div>✗ 1. LP - GJ</div> <div>✗ 2. PT - KN</div> <div>✓ 3. HL - CE</div> <div>✗ 4. TX - OR</div>

**Q.38** Select the number from among the given options that can replace the question mark (?) in the following series.

17 21 30 46 71 ?

Ans  1. 107

 2. 109

 3. 106

 4. 105

Q.39 IAEH is related to KCGJ in a certain way based on the English alphabetical order. In the same way, LDHK is related to NFJM. To which of the following is OGKN related, following the same logic?

Ans ☒ 1. QIMP

☐ 2. IQMP





☐ 3. IQPM

☐ 4. QIPM

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

(Left) M % \$ F I 5 \* £ 8 € € 9 M Z @ & 6 1 3 @ J £ (Right)

If all the numbers are dropped from the series, which of the following will be sixth from the left?

Ans  1. \$  
 2. \*  
 3. I  
 4. F

**Q.41** G, H, I, J, M, N and O are sitting around a square table facing the centre of the table. No one sits to the right of M. Only three people sit between M and O. Only two people sit between O and H. G sits third to the left of N. J sits to the immediate right of N. How many people sit between I and H?

**Ans**

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

Q.42 In a certain code language, 'MORE' is coded as '4876' and 'WORM' is coded as '6783'. What is the code for 'W' in the given code language?

Ans ☒ 1.3  
☐ 2.7  
☐ 3.8  
☐ 4.6

**Q.43** 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 computers are desktops.**  
**All desktops are laptops.**  
**No computer is a phone.**

**Conclusions:**  
(I) No desktop is a phone.  
(II) No laptop is a phone.

**Ans**

- ✗ 1. Only conclusion II follows.
- ✗ 2. Both conclusions (I) and (II) follow.
- ✗ 3. Only conclusion I follows.
- ✓ 4. Neither conclusion (I) nor (II) follows.

**Q.44** Each letter in the word **FORAGE** is changed to the letter immediately succeeding it in the English alphabetical order and then all the letters thus formed are arranged in alphabetical order. Which of the following letters will be the second from the left in the new letter-cluster thus formed?

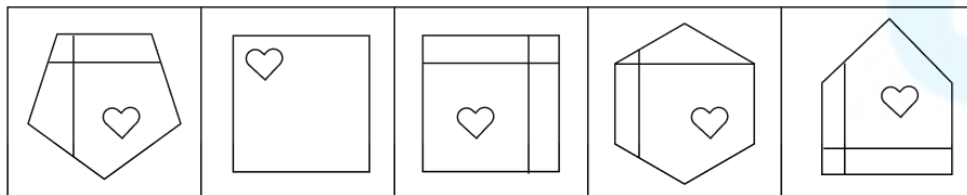
**Ans**  1. F

 2. G

 3. B

 4. H

**Q.45** Four of the following five figures are alike in a certain way and thus form a group. Which figure DOES NOT belong to that group?



(A)

(B)

(C)

(D)

(E)

Ans  1. D  
 2. B  
 3. E  
 4. C

Q.46	Six people, named W, X, Y, Z, T and U, each are of different ages. The age of X is 10. The age of Y is five times the age of W. The age of Z is one-fourth the age of U. The age of W is two times the age of Z. The age of X is one-fourth the age of Y. If the age of U is one-third the age of T, what is the age of T?
Ans	<div>✗ 1. 58</div> <div>✓ 2. 48</div> <div>✗ 3. 45</div> <div>✗ 4. 68</div>
Q.47	Select the correct mirror image of the given figure when the mirror is placed at line MN as shown. <div> </div>
Ans	<div>✓ 1. Ǝ Ɔ H X M И</div> <div>✗ 2. H G 9 X M И</div> <div>✗ 3. Ǝ Ɔ H X N M</div> <div>✗ 4. Ǝ K H G M И</div>
Q.48	Rohit starts from Point A and drives 10 km towards West. He then takes a left turn, drives 6 km, turns left and drives 11 km. He then takes a left turn and drives 9 km. He takes a final left turn, drives 1 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	<div>✗ 1. 2 km to the South</div> <div>✓ 2. 3 km to the South</div> <div>✗ 3. 2 km to the North</div> <div>✗ 4. 3 km to the North</div>
Q.49	Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete? TWZ19, JMP31, ZCF43, PSV55, ?
Ans	<div>✗ 1. FBX67</div> <div>✗ 2. FAY67</div> <div>✗ 3. EAX67</div> <div>✓ 4. FIL67</div>
Q.50	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	<div>✗ 1. QTR</div> <div>✗ 2. EHF</div> <div>✗ 3. KNL</div> <div>✓ 4. SWT</div>
Q.51	If 1 is added to each even digit and 2 is subtracted from each odd digit in the number 9738625, how many digits will appear more than once in the new number thus formed?
Ans	<div>✗ 1. One</div> <div>✗ 2. Three</div> <div>✓ 3. Two</div> <div>✗ 4. None</div>
Q.52	In a certain code language, 'BREW' is coded as '7462' and 'WHAT' is coded as '3751'. What is the code for 'W' in the given code language?
Ans	<div>✗ 1. 5</div> <div>✓ 2. 7</div> <div>✗ 3. 2</div> <div>✗ 4. 3</div>
Q.53	Rajan starts from Point A and drives 12 km towards west. He then takes a left turn, drives 13 km, turns left and drives 14 km. He then takes a left turn and drives 18 km. He takes a final left turn, drives 2 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified)
Ans	<div>✗ 1. 4 km to the south</div> <div>✓ 2. 5 km to the south</div> <div>✗ 3. 2 km to the south</div> <div>✗ 4. 3 km to the south</div>

Q.54	<p>Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.</p> <p>BIP ELS HOV KRY ?</p> <p>Ans <input checked="" type="checkbox"/> 1. NUB</p> <p><input checked="" type="checkbox"/> 2. BUN</p> <p><input checked="" type="checkbox"/> 3. BNU</p> <p><input checked="" type="checkbox"/> 4. NBU</p>
Q.55	<p>C, D, E, F, G, H and U are sitting around a circular table facing the centre of the table. Only two people sit between D and G, when counted from the left of G. U sits third to the left of E. H sits to the immediate right of E. H sits second to the left of D. C is not an immediate neighbour of U. Who sits third to the right of F?</p> <p>Ans <input checked="" type="checkbox"/> 1. H</p> <p><input checked="" type="checkbox"/> 2. G</p> <p><input checked="" type="checkbox"/> 3. C</p> <p><input checked="" type="checkbox"/> 4. E</p>
Q.56	<p>If 'P' stands for '×', 'Q' stands for '+', 'R' stands for '−' and 'S' stands for '+', what will come in place of the question mark '?' in the following equation?</p> <p>(48 Q 6) P 3 S 18 R 12 S (13 P 2) S 40 R 28 = ?</p> <p>Ans <input checked="" type="checkbox"/> 1. 92</p> <p><input checked="" type="checkbox"/> 2. 84</p> <p><input checked="" type="checkbox"/> 3. 50</p> <p><input checked="" type="checkbox"/> 4. 68</p>
Q.57	<p>Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which pair DOES NOT belong to that group?</p> <p>(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster pair.)</p> <p>Ans <input checked="" type="checkbox"/> 1. KF : ID</p> <p><input checked="" type="checkbox"/> 2. UP : SN</p> <p><input checked="" type="checkbox"/> 3. ID : GB</p> <p><input checked="" type="checkbox"/> 4. MH : KE</p>
Q.58	<p>Refer to the given letter, number, symbol series and answer the question that follows.</p> <p>(Left) % 7 Y # K E G 6 3 C &amp; T @ 2 5 4 D * S R + (Right)</p> <p>How many such letters are there, that are immediately preceded by a number and also immediately followed by a symbol?</p> <p>Ans <input checked="" type="checkbox"/> 1. 5</p> <p><input checked="" type="checkbox"/> 2. 3</p> <p><input checked="" type="checkbox"/> 3. 2</p> <p><input checked="" type="checkbox"/> 4. 4</p>
Q.59	<p>Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?</p> <p># : PRM :: NPK : %</p> <p>Ans <input checked="" type="checkbox"/> 1. # = KMH, % = SUP</p> <p><input checked="" type="checkbox"/> 2. # = NHG, % = SKI</p> <p><input checked="" type="checkbox"/> 3. # = MJH, % = PRV</p> <p><input checked="" type="checkbox"/> 4. # = NLH, % = NJH</p>
Q.60	<p>In a certain code language, 'BALE' is coded as '1579' and 'LUNG' is coded as '2461'. What is the code for 'L' in that language?</p> <p>Ans <input checked="" type="checkbox"/> 1. 1</p> <p><input checked="" type="checkbox"/> 2. 2</p> <p><input checked="" type="checkbox"/> 3. 7</p> <p><input checked="" type="checkbox"/> 4. 5</p>
Q.61	<p>Seven boxes U, V, W, X, P, Q and R are kept one over the other but not necessarily in the same order. V is kept second from the bottom. Only three boxes are kept between V and R. X is kept at one of the positions below V. Only U is kept between R and W. P is kept at one of the positions above R. How many boxes are kept between X and P?</p> <p>Ans <input checked="" type="checkbox"/> 1. One</p> <p><input checked="" type="checkbox"/> 2. Four</p> <p><input checked="" type="checkbox"/> 3. Three</p> <p><input checked="" type="checkbox"/> 4. Five</p>
Q.62	<p>P, Q, R, U, V and W live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on till the topmost floor, which is numbered 6.</p> <p>U lives on an even numbered floor but not on floor number 4. Only two people live between U and V. Q lives on an odd numbered floor but not on the lowermost floor. Only two people live between Q and P. W lives immediately below Q.</p> <p>How many people live between R and W?</p> <p>Ans <input checked="" type="checkbox"/> 1. Four</p> <p><input checked="" type="checkbox"/> 2. One</p> <p><input checked="" type="checkbox"/> 3. Two</p> <p><input checked="" type="checkbox"/> 4. Three</p>



Q.63 Refer to the following letter and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) T £ & Z N € Z % A € # \* B I © £ \* O J @ H A (Right)

How many such letters are there which are immediately preceded by a symbol and also immediately followed by a symbol?

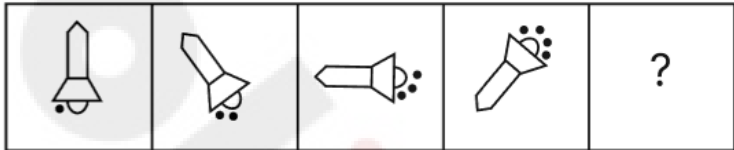
- Ans
- ☒ 1. Zero
  - ☒ 2. Four
  - ☒ 3. One
  - ☒ 4. Two

Q.64 5 is related to 28 following a certain logic. Following the same logic, 3 is related to 12. To which of the following is 24 related, following the same logic?

(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)

- Ans
- ☒ 1. 597
  - ☒ 2. 579
  - ☒ 3. 587
  - ☒ 4. 586

Q.65 Identify the figure given in the options which when put in place of the question mark (?) will logically complete the series.



Ans

- ☒ 1.
- ☒ 2.
- ☒ 3.
- ☒ 4.

Q.66 Seven boxes, A, B, C, D, E, F and G, are kept one over the other but not necessarily in the same order. Only three boxes are kept above F. Only one box is kept between D and F. Only three boxes are kept between D and B. B is kept at some place above F. G is kept immediately below B. E is kept at one of the places above A. C is not kept immediately above or below D. How many boxes are kept above G?

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

Q.67 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)

(11, 60, 19)  
(23, 78, 16)

- Ans
- ☒ 1. (33, 101, 18)
  - ☒ 2. (18, 78, 21)
  - ☒ 3. (48, 139, 22)
  - ☒ 4. (38, 89, 7)

Q.68	In a certain code language, A ; B means 'A is the sister of B', A = B means 'A is the daughter of B', A < B means 'A is the son of B', and A + B means 'A is the father of B'.  How is T related to O if 'T < A ; N = G + O'?
Ans	<div><div><input type="checkbox"/></div>1. Sister's father</div> <div><div><input type="checkbox"/></div>2. Sister's mother</div> <div><div><input type="checkbox"/></div>3. Sister's daughter</div> <div><div><input checked="" type="checkbox"/></div>4. Sister's son</div>

**Q.78** The Hazira-Vijaipur-Jagdishpur (HVJ) gas pipeline links Mumbai High with industries in which of the following regions of India?

**Ans**

- ☐ 1. Southern and eastern
- ☐ 2. Northern and eastern
- ☐ 3. Central and western
- ☒ 4. Western and northern

**Q.79** Bhajan Lal Sharma took oath on 15 December 2023 as the Chief Minister of which of the following states of India?

Ans

- ☒ 1. Haryana
- ☒ 2. Jharkhand
- ☒ 3. Rajasthan
- ☒ 4. Madhya Pradesh

**Q.80** Where is the Vajragiri Buddhist monastery located?

Ans

- ☒ 1. Uttar Pradesh
- ☒ 2. Odisha
- ☐ 3. Bihar
- ☐ 4. Madhya Pradesh

**Q.81 PV Sindhu was accompanied by whom as the flag bearer of India at the Paris 2024 Olympics opening ceremony?**

Ans

- ☒ 1. PR Sreejesh
- ☒ 2. Aman Sehrawat
- ☒ 3. Manu Bhaker
- ☒ 4. Sharath Kamal

**Q.82** Which of the following local storms is beneficial for tea, jute and rice cultivation?

Ans





- ☐ 1. Blossom showers
- ☐ 2. Loo
- ☒ 3. Nor Westers
- ☐ 4. Mango showers

**Q.83** Which statement is FALSE about particles of a matter?

**Ans**

- ✗ 1. Particles of matter have space between them.
- ✗ 2. Particles of matter attract each other.
- ✗ 3. Particles of matter are continuously moving.
- ✓ 4. Motion of particles of matter is unaffected by any external forces.

**Q.84** The 15<sup>th</sup> BRICS summit unanimously decided to invite how many countries to become full members from 1 January 2024?

**Ans**  1. Seven  
 2. Five  
 3. Eight  
 4. Six

**Q.85** Who was the first musician from Asia to be honoured with the Ramon Magsaysay Award for contributions to Carnatic music?





Ans

- ☒ 1. GN Balasubramaniam
- ☒ 2. Sai Shravanam
- ☒ 3. MS Subbulakshmi
- ☒ 4. Amrutha Venkatesh

Q.86 Match the (List-I - Geographical regions) with (List II - Reason for their distinct climate) and select your answer the code below:

(List-I geographical regions)	(List II reason for their distinct climate)
(a) Rajasthan	i. Houses have sloping roofs
(b) Tarai region	ii. Houses have thick walls and flat roofs
(c) Assam	iii. Houses are built on stilts
(d) Goa	iv. Experiences seasonal rain during October and November

**Ans**

-  1. (a) iii (b) ii (c) i (d) iv
-  2. (a) iv (b) iii (c) ii (d) i
-  3. (a) iii (b) i (c) ii (d) iii
-  4. (a) ii (b) i (c) iii (d) iv

**Q.87** On which of the following dates was the Supreme Court of India established?

Ans

- ☒ 1. 15<sup>th</sup> August 1950
- ☒ 2. 26<sup>th</sup> January 1950
- ☐ 3. 28<sup>th</sup> January 1950
- ☐ 4. 22<sup>nd</sup> July 1950

Q.88	Which round of the National Family Health Survey (NFHS) for maternal and child health and other associated indicators was launched by the Centre in December 2023?
Ans	<div><div><input type="checkbox"/></div>1. NFHS-4</div> <div><div><input checked="" type="checkbox"/></div>2. NFHS-6</div> <div><div><input type="checkbox"/></div>3. NFHS-7</div> <div><div><input type="checkbox"/></div>4. NFHS-5</div>
Q.89	Postulates of special theory of relativity are applicable to _____.
Ans	<div><div><input type="checkbox"/></div>1. all frames of references</div> <div><div><input checked="" type="checkbox"/></div>2. inertial frames</div> <div><div><input type="checkbox"/></div>3. stationary frames</div> <div><div><input type="checkbox"/></div>4. accelerated frames</div>
Q.90	In which House of Parliament can a money bill be introduced?
Ans	<div><div><input type="checkbox"/></div>1. Vidhan Parishad</div> <div><div><input type="checkbox"/></div>2. Rajya Sabha</div> <div><div><input checked="" type="checkbox"/></div>3. Lok Sabha</div> <div><div><input type="checkbox"/></div>4. Vidhan Sabha</div>
Q.91	Which of the following two organisations teamed up to develop India's first indigenous CAR-T cell therapy?
Ans	<div><div><input type="checkbox"/></div>1. IIT Bombay and IIT Madras</div> <div><div><input type="checkbox"/></div>2. IIT Delhi and AIIMS Delhi</div> <div><div><input checked="" type="checkbox"/></div>3. IIT Bombay and Tata Memorial Centre</div> <div><div><input type="checkbox"/></div>4. IIT Ropar and PGI Chandigarh</div>
Q.92	_____ is the just distribution of resources in which every Indian should be able to meet his/her basic needs and inequality in the distribution of wealth should be reduced.
Ans	<div><div><input type="checkbox"/></div>1. Equality</div> <div><div><input checked="" type="checkbox"/></div>2. Equity</div> <div><div><input type="checkbox"/></div>3. Inclusion</div> <div><div><input type="checkbox"/></div>4. Egalitarianism</div>
Q.93	Which of the following states has the highest female literacy according to census of 2011?
Ans	<div><div><input type="checkbox"/></div>1. Mizoram</div> <div><div><input checked="" type="checkbox"/></div>2. Kerala</div> <div><div><input type="checkbox"/></div>3. Goa</div> <div><div><input type="checkbox"/></div>4. Tripura</div>
Q.94	Off the coast of which state of India was the New Generation Ballistic Missile 'Agni Prime' successfully flight-tested in June 2023?
Ans	<div><div><input checked="" type="checkbox"/></div>1. Odisha</div> <div><div><input type="checkbox"/></div>2. Andhra Pradesh</div> <div><div><input type="checkbox"/></div>3. Rajasthan</div> <div><div><input type="checkbox"/></div>4. Maharashtra</div>
Q.95	Which of the following plant components is/are tasked with conveying water and nutrients from the roots to other parts of the plant?
Ans	<div><div><input type="checkbox"/></div>1. Stomata</div> <div><div><input type="checkbox"/></div>2. Epidermis</div> <div><div><input type="checkbox"/></div>3. Phloem</div> <div><div><input checked="" type="checkbox"/></div>4. Xylem</div>
Q.96	How do microfinance institutions (MFIs) contribute to financial inclusion in remote rural areas of India?
Ans	<div><div><input type="checkbox"/></div>1. By relying solely on digital banking platforms for loan disbursement</div> <div><div><input type="checkbox"/></div>2. By offering standardised loan products similar to traditional banks</div> <div><div><input type="checkbox"/></div>3. By focusing exclusively on urban micro-enterprises</div> <div><div><input checked="" type="checkbox"/></div>4. By establishing partnerships with local non-governmental organisations (NGOs) for outreach</div>
Q.97	Which of the following is the definition of Globalisation?
Ans	<div><div><input type="checkbox"/></div>1. Globalisation is an outcome of industrial policies that aim to transform the world towards greater interdependence and integration.</div> <div><div><input type="checkbox"/></div>2. Globalisation is an outcome of trading policies that aim to transform the world towards greater interdependence and integration.</div> <div><div><input checked="" type="checkbox"/></div>3. Globalisation is an outcome of a set of various policies aimed at transforming the world towards greater interdependence and integration.</div> <div><div><input type="checkbox"/></div>4. Globalisation is an outcome of agricultural policies that aim to transform the world towards greater interdependence and integration.</div>

<p><b>Q.98</b> Consider the following statements.</p> <p>1. Elections are held every five years for the Lok Sabha and each Legislative Assembly. 2. The President can dissolve the Lok Sabha even before the completion of 5 years of the government, if the Prime Minister makes such a recommendation to the President. 3. The Council of Ministers automatically gets dissolved due to the death or resignation of the Prime Minister. 4. The Lok Sabha elections are conducted according to the 'first past the post' system.</p> <p>Select the correct statement.</p> <p><b>Ans</b>   <input checked="" type="checkbox"/> 1. Only 1 and 2           <input checked="" type="checkbox"/> 2. Only 1, 2 and 4           <input checked="" type="checkbox"/> 3. Only 1 and 4           <input checked="" type="checkbox"/> 4. All 1,2,3 and 4</p>
<p><b>Q.99</b> Which of the following Amendments has added the 11<sup>th</sup> Fundamental Duty in the Indian Constitution?</p> <p><b>Ans</b>   <input checked="" type="checkbox"/> 1. 84<sup>th</sup> Amendment           <input checked="" type="checkbox"/> 2. 80<sup>th</sup> Amendment           <input checked="" type="checkbox"/> 3. 86<sup>th</sup> Amendment           <input checked="" type="checkbox"/> 4. 72<sup>nd</sup> Amendment</p>
<p><b>Q.100</b> The first Turkish ruler who introduced pure Arabic coins in India was _____.</p> <p><b>Ans</b>   <input checked="" type="checkbox"/> 1. Qutubuddin Aibak           <input checked="" type="checkbox"/> 2. Iltutmish           <input checked="" type="checkbox"/> 3. Balban           <input checked="" type="checkbox"/> 4. Alauddin Khilji</p>
<p><b>Q.101</b> In which of the following years did the Britishers establish their first factory in Bengal?</p> <p><b>Ans</b>   <input checked="" type="checkbox"/> 1. 1659           <input checked="" type="checkbox"/> 2. 1651           <input checked="" type="checkbox"/> 3. 1631           <input checked="" type="checkbox"/> 4. 1605</p>
<p><b>Q.102</b> Former Lok Sabha MP from Assam Ramen Deka was appointed as Governor of which of the following states of India in July 2024?</p> <p><b>Ans</b>   <input checked="" type="checkbox"/> 1. Chhattisgarh           <input checked="" type="checkbox"/> 2. Andhra Pradesh           <input checked="" type="checkbox"/> 3. Maharashtra           <input checked="" type="checkbox"/> 4. Odisha</p>
<p><b>Q.103</b> In the context of plant and animal kingdoms, what does chemotaxonomy primarily focus on?</p> <p><b>Ans</b>   <input checked="" type="checkbox"/> 1. The classification of organisms based on their morphological characteristics.           <input checked="" type="checkbox"/> 2. The classification of organisms based on their chemical composition.           <input checked="" type="checkbox"/> 3. The classification of organisms based on their ecological roles.           <input checked="" type="checkbox"/> 4. The examination of genetic sequences in mitochondrial DNA.</p>
<p><b>Q.104</b> Which of the following optical instruments creates colourful beautiful patterns due to multiple reflections in plane mirrors?</p> <p><b>Ans</b>   <input checked="" type="checkbox"/> 1. Telescope           <input checked="" type="checkbox"/> 2. Kaleidoscope           <input checked="" type="checkbox"/> 3. Stereomicroscope           <input checked="" type="checkbox"/> 4. Magnifying glass</p>
<p><b>Q.105</b> With reference to the Indian Monsoon, who among the following established the relationship between upper air circulations and atmospheric conditions over the Tibetan plateau?</p> <p><b>Ans</b>   <input checked="" type="checkbox"/> 1. P Koteswaram           <input checked="" type="checkbox"/> 2. Birbal Sahni           <input checked="" type="checkbox"/> 3. Tessy Thomas           <input checked="" type="checkbox"/> 4. RK Sinha</p>
<p><b>Q.106</b> How many of the following ways of losing citizenship have been prescribed in the Citizenship Act, 1955?</p> <p><b>Ans</b>   <input checked="" type="checkbox"/> 1. 2           <input checked="" type="checkbox"/> 2. 5           <input checked="" type="checkbox"/> 3. 3           <input checked="" type="checkbox"/> 4. 4</p>
<p><b>Q.107</b> PM GatiShakti National Master Plan was launched in which year?</p> <p><b>Ans</b>   <input checked="" type="checkbox"/> 1. 2019           <input checked="" type="checkbox"/> 2. 2020           <input checked="" type="checkbox"/> 3. 2021           <input checked="" type="checkbox"/> 4. 2023</p>
<p><b>Q.108</b> Who among the following composed the treatise, 'Mahabhashya'?</p> <p><b>Ans</b>   <input checked="" type="checkbox"/> 1. Patanjali           <input checked="" type="checkbox"/> 2. Panini           <input checked="" type="checkbox"/> 3. Hala           <input checked="" type="checkbox"/> 4. Banabhatt</p>

Q.109	Which of the following States/UTs DOES NOT have any SC population as per the Census 2011?
Ans	<div><div><input type="checkbox"/></div>1. Sikkim</div> <div><div><input checked="" type="checkbox"/></div>2. Andaman and Nicobar Islands</div> <div><div><input type="checkbox"/></div>3. Manipur</div> <div><div><input type="checkbox"/></div>4. Tripura</div>
Q.110	Which Indian cricketer became the first batsman to cross 700 runs in a single World Cup edition during the 2023 ODI Cricket World Cup?
Ans	<div><div><input checked="" type="checkbox"/></div>1. Virat Kohli</div> <div><div><input type="checkbox"/></div>2. Rohit Sharma</div> <div><div><input type="checkbox"/></div>3. Yashasvi Jaiswal</div> <div><div><input type="checkbox"/></div>4. Shubman Gill</div>
Q.111	Who among the following established the Khalji dynasty?
Ans	<div><div><input checked="" type="checkbox"/></div>1. Jalaluddin Khalji</div> <div><div><input type="checkbox"/></div>2. Mubarak Shah Khalji</div> <div><div><input type="checkbox"/></div>3. Alauddin Khalji</div> <div><div><input type="checkbox"/></div>4. Arkali khan</div>
Q.112	Who among the following great personalities, along with his followers, founded the 'Brahmo Samaj of India' in 1866?
Ans	<div><div><input type="checkbox"/></div>1. Dayananda Saraswati</div> <div><div><input type="checkbox"/></div>2. Debendranath Tagore</div> <div><div><input checked="" type="checkbox"/></div>3. Keshab Chandra Sen</div> <div><div><input type="checkbox"/></div>4. Raja Ram Mohan Roy</div>
Q.113	Bhanudeva II, the ruler of Jainagar in Orissa helped Rai Rudra Dev of Warangal in his battle against _____, the Sultan of Delhi.
Ans	<div><div><input type="checkbox"/></div>1. Bahlol Lodhi</div> <div><div><input checked="" type="checkbox"/></div>2. Ghiyasuddin Tughlaq</div> <div><div><input type="checkbox"/></div>3. Sikandar Lodhi</div> <div><div><input type="checkbox"/></div>4. Firoz Shah Tughlaq</div>
Q.114	Who among the following wrote the story book 'Dollar Bahu'?
Ans	<div><div><input checked="" type="checkbox"/></div>1. Dr Sudha Murty</div> <div><div><input type="checkbox"/></div>2. Prasanna Kumar Acharya</div> <div><div><input type="checkbox"/></div>3. EB Havell</div> <div><div><input type="checkbox"/></div>4. Aravind Adiga</div>
Q.115	Who among the following served as India's first Deputy Prime minister?
Ans	<div><div><input checked="" type="checkbox"/></div>1. Sardar Vallabhbhai Patel</div> <div><div><input type="checkbox"/></div>2. Lal Bahadur Shastri</div> <div><div><input type="checkbox"/></div>3. Morarji Desai</div> <div><div><input type="checkbox"/></div>4. Jawaharlal Nehru</div>
Q.116	Who assumed charge as Deputy Chief of the Naval Staff in October 2023?
Ans	<div><div><input type="checkbox"/></div>1. Vice Admiral Ajit Kumar</div> <div><div><input type="checkbox"/></div>2. Vice Admiral R Hari Kumar</div> <div><div><input checked="" type="checkbox"/></div>3. Vice Admiral Tarun Sobti</div> <div><div><input type="checkbox"/></div>4. Vice Admiral Anil Kumar Chawla</div>
Q.117	Which of the following colour revolutions is NOT correctly matched with its associated agricultural sector's significant increase in production in India since Independence?
Ans	<div><div><input checked="" type="checkbox"/></div>1. Blue revolution - Fruits and vegetables</div> <div><div><input type="checkbox"/></div>2. White revolution - Milk</div> <div><div><input type="checkbox"/></div>3. Green revolution - Foodgrain production</div> <div><div><input type="checkbox"/></div>4. Yellow revolution - Oilseeds</div>
Q.118	On which document is the Concept of Directive Principles of State Policy based?
Ans	<div><div><input type="checkbox"/></div>1. United States Constitution</div> <div><div><input type="checkbox"/></div>2. Magna Carta</div> <div><div><input type="checkbox"/></div>3. British Constitution</div> <div><div><input checked="" type="checkbox"/></div>4. Irish Constitution</div>
Q.119	Intestinal hookworm disease in humans is caused by which species of Aschelminthes?
Ans	<div><div><input type="checkbox"/></div>1. Ascaris lumbricoides</div> <div><div><input checked="" type="checkbox"/></div>2. Ancylostoma duodenale</div> <div><div><input type="checkbox"/></div>3. Strongyloides stercoralis</div> <div><div><input type="checkbox"/></div>4. Trichuris trichiura</div>

Q.120 The traditional folk music of Uttar Pradesh, featuring soulful melodies and often performed during weddings and festive occasions, is known as:

- Ans
- ☒ 1. Panihari
  - ☒ 2. Kajari
  - ☒ 3. Baul
  - ☒ 4. Maand

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