



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



Exam Date	18/03/2025
Centre Name	Sumit Dhariwal Memorial Group of Institutions
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 Evaluate the following:  
 $(3.49)^2 - (1.71)^2$   
 $3.49 - 1.71$

- Ans ☒ 1. 5.2  
☒ 2. 4.4  
☒ 3. 2.48  
☒ 4. 1.78

Q.2 The sum of five numbers is 655. The average of the first two numbers is 78 and the third number is 130. Find the average of the remaining two numbers?

- Ans ☒ 1. 185.5  
☒ 2. 208  
☒ 3. 209  
☒ 4. 184.5

Q.3 The monthly incomes of two friends Rakesh and Shivam, are in the ratio 5 : 7 respectively and each of them saves ₹87000 every month. If the ratio of their monthly expenditure is 1 : 3, find the monthly income of Rakesh(in ₹).

- Ans ☒ 1. 108750  
☒ 2. 152250  
☒ 3. 107750  
☒ 4. 109750

Q.4 The value of  
 $\sqrt{144} + \sqrt{0.0196} - \sqrt{6.76} =$

- Ans ☒ 1. 9.54  
☒ 2. 1.87  
☒ 3. 12.99  
☒ 4. 2.53

Q.5 A shirt was originally priced at ₹ 600. It is now on sale for ₹ 540. What is the percentage decrease in the price?

- Ans ☒ 1. 10%  
☒ 2. 25%  
☒ 3. 20%  
☒ 4. 15%

Q.6	Find the least number, which, when divided by 20, 25, 35 and 40 leaves remainders 14, 19, 29 and 34, respectively.
Ans	<div>✗ 1. 1238</div> <div>✗ 2. 1498</div> <div>✗ 3. 1389</div> <div>✓ 4. 1394</div>
Q.7	Sudhir purchased certain goods at the rate of ₹7,380 per dozen. He sold each one of them at the rate of ₹575. What was his percentage loss? (Round up to two decimal places)
Ans	<div>✓ 1. 6.50%</div> <div>✗ 2. 23.12%</div> <div>✗ 3. 40%</div> <div>✗ 4. 6.96%</div>
Q.8	Which of the following ratio is smallest?
Ans	<div>✓ 1. 13 : 53</div> <div>✗ 2. 19 : 42</div> <div>✗ 3. 16 : 54</div> <div>✗ 4. 25 : 39</div>
Q.9	Find the value of $3\frac{1}{2} + 4\frac{3}{4} - 5\frac{3}{8} + 2\frac{1}{4} - 3\frac{1}{8}$ .
Ans	<div>✗ 1. 4</div> <div>✓ 2. 2</div> <div>✗ 3. 3</div> <div>✗ 4. 5</div>
Q.10	The average of first 118 even numbers is
Ans	<div>✓ 1. 119</div> <div>✗ 2. 119.5</div> <div>✗ 3. 118.5</div> <div>✗ 4. 120</div>
Q.11	Abhi sold a dress to Pari for ₹10,000. Pari sold it to Mikki at 20% profit. Mikki modified it with cost ₹,2000 and sold this dress to Sneha at a loss of 10%. The amount paid by Sneha for the dress was:
Ans	<div>✗ 1. ₹13,000</div> <div>✓ 2. ₹12,600</div> <div>✗ 3. ₹11,950</div> <div>✗ 4. ₹14,200</div>
Q.12	A grocery item was sold for ₹660 with 25% discount on its marked price. What is the marked price?
Ans	<div>✗ 1. ₹860</div> <div>✓ 2. ₹880</div> <div>✗ 3. ₹890</div> <div>✗ 4. ₹870</div>

Q.13	<p>A cylindrical rod has an outer curved surface area of <math>1900\text{ cm}^2</math>. If the length of the rod is <math>39\text{ cm}</math>, then the outer radius (in <math>\text{cm}</math>) of the rod, correct to two places of decimal, is:</p> <p>Take <math>\pi = \frac{22}{7}</math></p>
Ans	<div>✗ 1. 8.88</div> <div>✓ 2. 7.75</div> <div>✗ 3. 7.18</div> <div>✗ 4. 6.27</div>
Q.14	<p>In what ratio should sugar costing ₹10 per kg be mixed with sugar costing ₹49 per kg so that by selling the mixture at ₹54.6 per kg, there is a profit of 40%?</p>
Ans	<div>✗ 1. 27 : 8</div> <div>✗ 2. 28 : 12</div> <div>✗ 3. 31 : 11</div> <div>✓ 4. 10 : 29</div>
Q.15	<p>6 men can complete a piece of work in 12 days while 4 women can do it in 18 days. In how many days can 2 women and 2 men complete it?</p>
Ans	<div>✗ 1. 22 days</div> <div>✓ 2. 18 days</div> <div>✗ 3. 20 days</div> <div>✗ 4. 23 days</div>
Q.16	<p>Evaluate: <math>41 - [36 - \{48 \div 2 - (5 - 6 \div 2) \div 2\}]</math></p>
Ans	<div>✗ 1. 27</div> <div>✓ 2. 28</div> <div>✗ 3. 30</div> <div>✗ 4. 29</div>
Q.17	<p>The area of a rectangular field is <math>2400\text{ m}^2</math>. If the field is <math>80\text{ m}</math> long, what is its perimeter?</p>
Ans	<div>✗ 1. 110 m</div> <div>✗ 2. 210 m</div> <div>✗ 3. 30 m</div> <div>✓ 4. 220 m</div>
Q.18	<p>An Uber auto covers a distance of <math>120\text{ km}</math> in <math>20\text{ hours}</math>. What is its speed in <math>\text{km/h}</math>?</p>
Ans	<div>✗ 1. 16</div> <div>✗ 2. 9</div> <div>✗ 3. 10</div> <div>✓ 4. 6</div>
Q.19	<p>A metal sheet, <math>36\text{ cm}</math> long, <math>6\text{ cm}</math> wide and <math>1\text{ cm}</math> thick, is melted and formed into a cube. Find the length of the edge of the cube.</p>
Ans	<div>✗ 1. 12 cm</div> <div>✗ 2. 9 cm</div> <div>✗ 3. 3 cm</div> <div>✓ 4. 6 cm</div>
Q.20	<p>Find the LCM of 10, 7 and 4.</p>
Ans	<div>✗ 1. 1</div> <div>✗ 2. 280</div> <div>✓ 3. 140</div> <div>✗ 4. 7</div>

Q.21	The sum of 10 numbers is 432. Find their average.
Ans	<div><div><input checked="" type="checkbox"/></div>1. 43.2</div> <div><div><input type="checkbox"/></div>2. 41.2</div> <div><div><input type="checkbox"/></div>3. 44.2</div> <div><div><input type="checkbox"/></div>4. 42.2</div>
Q.22	For a chemistry experiment, Veena has 60 ml of 25% solution of ferrous sulphate. How many millilitres of 60% solution should she add to make a 30% solution of ferrous sulphate?
Ans	<div><div><input type="checkbox"/></div>1. 25 ml</div> <div><div><input type="checkbox"/></div>2. 15 ml</div> <div><div><input checked="" type="checkbox"/></div>3. 10 ml</div> <div><div><input type="checkbox"/></div>4. 20 ml</div>
Q.23	If 35% of k is 20 less than 1200% of 25, then k is:
Ans	<div><div><input type="checkbox"/></div>1. 840</div> <div><div><input type="checkbox"/></div>2. 760</div> <div><div><input checked="" type="checkbox"/></div>3. 800</div> <div><div><input type="checkbox"/></div>4. 780</div>
Q.24	Train A leaves station M at 6:15 AM and reaches station N at 3:15 PM on the same day. Train B leaves station N at 8:15 AM and reaches station M at 2:15 PM on the same day. Find the time when Trains A and B meet.
Ans	<div><div><input type="checkbox"/></div>1. 4:34 AM</div> <div><div><input checked="" type="checkbox"/></div>2. 11:03 AM</div> <div><div><input type="checkbox"/></div>3. 10:24 AM</div> <div><div><input type="checkbox"/></div>4. 12:53 PM</div>
Q.25	Abhinav is thrice as efficient as Arpan and can finish a piece of work in 34 days less than Arpan. In how many days can Arpan can finish this work?
Ans	<div><div><input type="checkbox"/></div>1. 54</div> <div><div><input checked="" type="checkbox"/></div>2. 51</div> <div><div><input type="checkbox"/></div>3. 69</div> <div><div><input type="checkbox"/></div>4. 48</div>
Q.26	A pipe can fill a tank in 8 hours. Another pipe can empty the filled tank in 72 hours. If both the pipes are opened simultaneously, then the time (in hours) in which the tank will be two-third filled, is:
Ans	<div><div><input type="checkbox"/></div>1. 18</div> <div><div><input checked="" type="checkbox"/></div>2. 6</div> <div><div><input type="checkbox"/></div>3. 12</div> <div><div><input type="checkbox"/></div>4. 24</div>
Q.27	What will be the compound interest on a sum of ₹75,000 after 2 years at the rate of 10% per annum, compounded annually?
Ans	<div><div><input type="checkbox"/></div>1. ₹90,750</div> <div><div><input type="checkbox"/></div>2. ₹7,500</div> <div><div><input type="checkbox"/></div>3. ₹75,000</div> <div><div><input checked="" type="checkbox"/></div>4. ₹15,750</div>

Q.28	The ages of Ayushi and Anmol are in the ratio of 2 : 7 respectively. After 4 years the ratio of their ages will be 3 : 8. What is the difference in their present ages?
Ans	<div>✗ 1. 6</div> <div>✓ 2. 20</div> <div>✗ 3. 8</div> <div>✗ 4. 29</div>
Q.29	Two banks, A and B, offered loans at 3.5% and 6% per annum, respectively. Gopal borrowed an amount of ₹360000 from each bank. Find the positive difference between the amounts of simple interest paid to the two banks by Gopal after 4 years (in ₹).
Ans	<div>✗ 1. 35500</div> <div>✓ 2. 36000</div> <div>✗ 3. 37500</div> <div>✗ 4. 37000</div>
Q.30	In a general store, the marked price of a pack of 5 kg wheat flour is ₹220. The general store owner sells it at ₹200. What is the percentage of discount given by the general store owner? (Correct up to two decimal places)
Ans	<div>✗ 1. 8.98%</div> <div>✓ 2. 9.09%</div> <div>✗ 3. 8.08%</div> <div>✗ 4. 9.99%</div>
Q.31	How many seconds will a boy take to run one complete round around a square field of side 51 metres, if he runs at a speed of 9 km/h?
Ans	<div>✗ 1. 79</div> <div>✗ 2. 91</div> <div>✓ 3. 81.5</div> <div>✗ 4. 82</div>
Q.32	For what prime number p in the number 3785p so that the number is exactly divisible by 3?
Ans	<div>✗ 1. 1</div> <div>✓ 2. 7</div> <div>✗ 3. 3</div> <div>✗ 4. 5</div>
Q.33	The difference between the compound and simple interest accrued on ₹18,000 in 2 years was ₹405. What was the rate of interest percentage compounded per annum?
Ans	<div>✗ 1. 16%</div> <div>✗ 2. 13%</div> <div>✗ 3. 12%</div> <div>✓ 4. 15%</div>
Q.34	In a race, an athlete covers a distance of 408 m in 68 sec in the first lap. He covers the second lap of the same length in 136 sec. What is the average speed (in m/sec) of the athlete?
Ans	<div>✗ 1. 7</div> <div>✗ 2. 1</div> <div>✗ 3. 6</div> <div>✓ 4. 4</div>

Q.35 Find the value of  $14^{-10} \div 14^{13} \times 14^{-7}$

- Ans
- ☒ 1.  $14^{-25}$
  - ☒ 2.  $14^{-26}$
  - ☒ 3.  $14^{-30}$
  - ☒ 4.  $14^{-37}$

Section : General Intelligence and Reasoning

Q.36 Refer to the following series and answer the question (all numbers are single digit numbers only).  
(Left) 2 2 1 3 8 1 4 1 4 8 3 6 8 6 2 1 3 7 4 4 1 (Right)  
How many such odd digits are there each of which is immediately preceded by an even digit and also immediately followed by a perfect square?

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

Q.37 What should come in place of the question mark (?) in the given series?  
93 182 129 161 165 140 201 119 ?

- Ans
- ☒ 1. 237
  - ☒ 2. 221
  - ☒ 3. 249
  - ☒ 4. 240

Q.38 P, Q, R, S, T, U and V sit around a circular table facing the centre. Only one person sits between P and Q when counted from the left of Q. U sits third to the right of T. V sits third to the left of S. U sits to the immediate right of V. R is not an immediate neighbour of V. How many people sit between R and P when counted from the right of P?

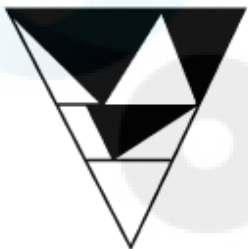
- Ans
- ☒ 1. 4
  - ☒ 2. 3
  - ☒ 3. 2
  - ☒ 4. 1

Q.39 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.40 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 father of B'  
A ~ B means 'A is the daughter of B'  
Based on the above, how is E related to Y if 'E ~ N ? J + O × Y'?

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

**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 statement(s).

**Statements:**

Some cats are dogs.

Some dogs are elephants.

All fishes are elephants.

**Conclusions:**

I. Some elephants may be cats.

II. Atleast some fishes are dogs.

- Ans**
- ✓ 1. Only I follows
  - ✗ 2. Both I and II follow
  - ✗ 3. Only II follows
  - ✗ 4. Neither I nor II follows

**Q.42** 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. CE - FH
  - ✗ 2. PR - SU
  - ✓ 3. TU - XY
  - ✗ 4. JL - MO

**Q.43** In a row of 19 students facing north, Rina is 8<sup>th</sup> from the right end. If Suni is 9<sup>th</sup> to the left of Rina, what is Suni's position from the left end of the line?

- Ans**
- ✗ 1. 2<sup>nd</sup>
  - ✗ 2. 1<sup>st</sup>
  - ✓ 3. 3<sup>rd</sup>
  - ✗ 4. 4<sup>th</sup>

**Q.44** M, N, O, P, Q, and R are sitting around a circular table facing the centre. P sits to the immediate right of O. Q sits second to the right of P. R is not an immediate neighbour of P. N sits second to the right of Q. Who sits to the immediate right of R?

- Ans**
- ✗ 1. M
  - ✓ 2. N
  - ✗ 3. Q
  - ✗ 4. P

**Q.45** In a certain code language, 'DIME' is coded as '4691' and 'MADE' is coded as '9412'. What is the code for 'A' in the given code language?

- Ans**
- ✗ 1. 4
  - ✗ 2. 1
  - ✗ 3. 9
  - ✓ 4. 2



<p><b>Q.46</b> Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.</p> <p><b>Statements:</b> All sparrows are dolphins. All crows are bulbuls. No bulbuls are sparrows.</p> <p><b>Conclusions:</b> (I) Some dolphins are bulbuls. (II) No crows are sparrows.</p> <p><b>Ans</b> <input checked="" type="checkbox"/> 1. Both conclusions (I) and (II) follow. <input checked="" type="checkbox"/> 2. Neither conclusion (I) nor (II) follows. <input checked="" type="checkbox"/> 3. Only conclusion (I) follows. <input checked="" type="checkbox"/> 4. Only conclusion (II) follows.</p>
<p><b>Q.47</b> Select the term from among the given options that can replace the question mark (?) in the following series.</p> <p>MNX 62, SRZ 54, YVB 46, EZD 38, ?</p> <p><b>Ans</b> <input checked="" type="checkbox"/> 1. JDG 28 <input checked="" type="checkbox"/> 2. KEG 28 <input checked="" type="checkbox"/> 3. KDF 30 <input checked="" type="checkbox"/> 4. JEF 30</p>
<p><b>Q.48</b> If '+' and 'x' are interchanged and '-' and '÷' are interchanged, then what will come in place of the question mark (?) in the following equation?</p> <p><math>32 \div 12 - 6 \times 2 + 3 = ?</math></p> <p><b>Ans</b> <input checked="" type="checkbox"/> 1. 40 <input checked="" type="checkbox"/> 2. 36 <input checked="" type="checkbox"/> 3. 35 <input checked="" type="checkbox"/> 4. 30</p>
<p><b>Q.49</b> 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) 2 / 5 6 @ 3 ? 8 3 7 6 * 7 # 2 7 * 9 \ \$ 4 (Right)</p> <p>How many such numbers are there, each of which is immediately preceded by a symbol and also immediately followed by a symbol?</p> <p><b>Ans</b> <input checked="" type="checkbox"/> 1. Four <input checked="" type="checkbox"/> 2. Three <input checked="" type="checkbox"/> 3. Two <input checked="" type="checkbox"/> 4. One</p>
<p><b>Q.50</b> Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.</p> <p>KGC–GCY YUQ–UQM</p> <p><b>Ans</b> <input checked="" type="checkbox"/> 1. SNI–OKG <input checked="" type="checkbox"/> 2. SNI–NJF <input checked="" type="checkbox"/> 3. SOK–NKF <input checked="" type="checkbox"/> 4. WSO–SOK</p>

**Q.51** If + means −, − means ×, × means ÷ and ÷ means +, then what will come in place of the question mark (?) in the following equation?  
 $63 \div 70 \times 14 - 12 + 15 = ?$

- Ans**
- ☒ 1. 108
  - ☐ 2. 105
  - ☐ 3. 106
  - ☐ 4. 104

**Q.52** What should come in place of the question mark (?) in the given series based on the English alphabetical order?

MTAH UBIP CJQX KRYF ?

- Ans**
- ☐ 1. SGZN
  - ☒ 2. SZGN
  - ☐ 3. SZNG
  - ☐ 4. SGNZ

**Q.53** What should come in place of the question mark (?) in the given series?

919 918 915 910 903 ?

- Ans**
- ☐ 1. 896
  - ☐ 2. 895
  - ☒ 3. 894
  - ☐ 4. 893

**Q.54** Read the given statement(s) and conclusions carefully. Assuming that the information given in the statement(s) is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

**Statements:**  
Some sugars are jaggery.  
No jaggery is honey.

**Conclusions:**  
(I) Some sugars are honey.  
(II) Some jaggery are sugars.

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

**Q.55** XZ 42 is related to ZX 41 in a certain way. In the same way, ST 35 is related to TS 34. To which of the following is QR 33 related, following the same logic?

- Ans**
- ☐ 1. RS 32
  - ☐ 2. PQ 33
  - ☒ 3. RQ 32
  - ☐ 4. RP 34

**Q.56** What should come in place of the question mark (?) in the given series?

21, 34, 60, 99, 151 ?

- Ans**
- ☐ 1. 218
  - ☐ 2. 212
  - ☒ 3. 216
  - ☐ 4. 214

Q.57 P, Q, R, S, T, U and V are sitting around a circular table facing the centre. Only U sits between R and Q. Q sits third to the left of T. S sits to the immediate left of T. P is not an immediate neighbour of Q. How many people sit between P and U when counted from the right of U?

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

Q.58 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 husband of B',  
'A \* B' means 'A is the mother of B' and  
'A × B' means 'A is the father of B'.

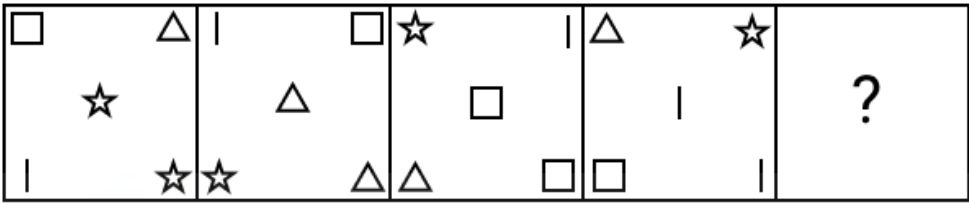
How is M related to B if 'M / Q × T – B + S'?

- Ans
- ☐ 1. Sister
  - ☒ 2. Mother
  - ☐ 3. Father
  - ☐ 4. Brother

Q.59 Kavish starts from Point A and drives 13 km towards East. He then takes a right turn, drives 7 km, turns right and drives 15 km. He then takes a right turn and drives 9 km. He takes a final right 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 degree turns only unless specified.)

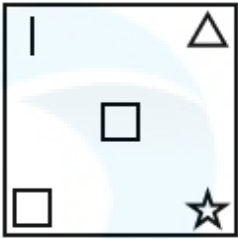
- Ans
- ☐ 1. 3 km to the South
  - ☐ 2. 2 km to the North
  - ☐ 3. 3 km to the North
  - ☒ 4. 2 km to the South

Q.60 Identify the figure given in the options which when put in place of the question mark (?) will logically complete the series.

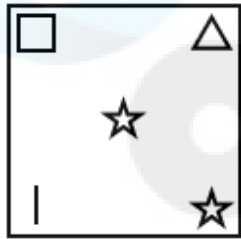


Ans

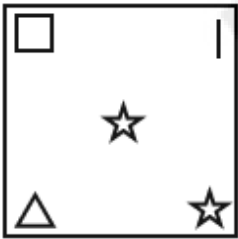
✗ 1.



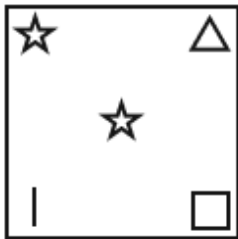
✓ 2.



✗ 3.



✗ 4.



Q.61 In a certain code language, 'have a party' is coded as 'ds fg rt' and 'party and enjoy' is coded as 'tr ds gf'. How is 'party' coded in the given language?

- Ans
- ✓ 1. ds
  - ✗ 2. fg
  - ✗ 3. rt
  - ✗ 4. gf

Q.62 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. AO – PF
  - ✗ 2. KY – ZP
  - ✓ 3. PY – IN
  - ✗ 4. QE – FV

Q.63 Refer to the following letter, symbol series and answer the question. Counting to be done from left to right only.  
(Left) @ 5 7 ^ \ / 3 / \$ % / \* 2 # \$ & \ / 3 > ^ (Right)  
How many such numbers are there each of which is immediately preceded by a symbol and also immediately followed by another number?

- Ans
- ✓ 1. One
  - ✗ 2. None
  - ✗ 3. Two
  - ✗ 4. Three

Q.64 Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. Only G is kept above D. Only two boxes are kept between D and B. Only F is kept below C. A is not kept immediately above B. How many boxes are kept between G and E?

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

Q.65 In a certain code language, 'ORANGE' is coded as '321965' and 'BANANA' is coded as '496969'. What is the code for 'A' in the given code language?

- Ans
- ✗ 1. 5
  - ✓ 2. 9
  - ✗ 3. 6
  - ✗ 4. 3

Q.66 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

DGC8 FIE12 HKG16 JMI20 ?

- Ans
- ✗ 1. ILP24
  - ✗ 2. LOT23
  - ✗ 3. LPI20
  - ✓ 4. LOK24

Q.67 Select the option in which the numbers share the same relationship as that shared by the given pair of numbers.  
(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 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.)

12, 30  
16, 38

- Ans
- ✗ 1. 15, 35
  - ✗ 2. 12, 27
  - ✗ 3. 11, 29
  - ✓ 4. 10, 26

Q.68 If '+' and '÷' are interchanged and '-' and 'x' are interchanged, then what will come in place of the question mark (?) in the following equation?

40 x 6 - 24 + 4 ÷ 5 = ?

- Ans
- ✗ 1. 5
  - ✗ 2. 10
  - ✗ 3. 12
  - ✓ 4. 9

**Q.69** Daniel starts from Point A and drives 12 km towards west. He then takes a right turn, drives 8 km, turns right and drives 13 km. He then takes a right turn and drives 11 km. He takes a final right 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 degrees turns only unless specified)

- Ans**
- ✓ 1. 3 km to the north
  - ✗ 2. 3 km to the south
  - ✗ 3. 4 km to the south
  - ✗ 4. 4 km to the north

**Q.70** Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

CUS : EQV  
EYA : GUC

- Ans**
- ✗ 1. PCM : RGO
  - ✗ 2. AVI : CRG
  - ✗ 3. IHM : GDO
  - ✓ 4. VIK : XEM

Section : General Awareness

**Q.71** What is the main focus of Article 356 of the India Constitution?

- Ans**
- ✗ 1. National emergency
  - ✗ 2. Fundamental duties
  - ✗ 3. Special provisions for Jammu and Kashmir
  - ✓ 4. President's rule in states

**Q.72** Which of the following states is known for extensive cultivation of coffee in India?

- Ans**
- ✗ 1. Assam
  - ✓ 2. Karnataka
  - ✗ 3. Maharashtra
  - ✗ 4. Punjab

**Q.73** India's first bullet train project is under construction between which of the following cities?

- Ans**
- ✓ 1. Ahmedabad - Mumbai
  - ✗ 2. Delhi - Lucknow
  - ✗ 3. Mumbai - Bangalore
  - ✗ 4. Chennai - Hyderabad

**Q.74** Which Article states that the State shall strive to promote the welfare of the people?

- Ans**
- ✗ 1. Article 36
  - ✗ 2. Article 39
  - ✗ 3. Article 40
  - ✓ 4. Article 38

**Q.75** In August 2024, which state assembly passed Compulsory Registration of Muslim Marriages and Divorces Bill, 2024?

- Ans**
- ✗ 1. Meghalaya
  - ✓ 2. Assam
  - ✗ 3. Uttar Pradesh
  - ✗ 4. Himachal Pradesh

Q.76	Which of the following statements about Gay-Lussac's Law is correct?
Ans	<div><div><input type="checkbox"/></div><div>1. The volume of a gas is directly proportional to its temperature at constant pressure.</div></div> <div><div><input type="checkbox"/></div><div>2. The pressure of a gas is inversely proportional to its volume at constant temperature.</div></div> <div><div><input type="checkbox"/></div><div>3. The total pressure of a mixture of gases is equal to the sum of the partial pressures of the individual gases.</div></div> <div><div><input checked="" type="checkbox"/></div><div>4. The pressure of a given mass of gas is directly proportional to its absolute temperature at constant volume.</div></div>
Q.77	What is the GDP growth forecast for India in FY 2025-26, according to the International Monetary Fund (IMF)?
Ans	<div><div><input type="checkbox"/></div><div>1. 6.3%</div></div> <div><div><input checked="" type="checkbox"/></div><div>2. 6.5%</div></div> <div><div><input type="checkbox"/></div><div>3. 6.0%</div></div> <div><div><input type="checkbox"/></div><div>4. 6.8%</div></div>
Q.78	The 29 <sup>th</sup> Conference of Parties (COP-29) of the United Nations Framework Convention on Climate Change from 11–22 November 2024 was held in _____.
Ans	<div><div><input checked="" type="checkbox"/></div><div>1. Azerbaijan</div></div> <div><div><input type="checkbox"/></div><div>2. Canada</div></div> <div><div><input type="checkbox"/></div><div>3. India</div></div> <div><div><input type="checkbox"/></div><div>4. Italy</div></div>
Q.79	Which of the following vegetation types are common in the Thar desert?
Ans	<div><div><input type="checkbox"/></div><div>1. Mangroves</div></div> <div><div><input type="checkbox"/></div><div>2. Dense temperate forests</div></div> <div><div><input checked="" type="checkbox"/></div><div>3. Xerophytic shrubs and grasses</div></div> <div><div><input type="checkbox"/></div><div>4. Tropical evergreen forests</div></div>
Q.80	Government of India introduced the gender budget statement for the first time in the year _____.
Ans	<div><div><input type="checkbox"/></div><div>1. 2004-2005</div></div> <div><div><input type="checkbox"/></div><div>2. 2001-2002</div></div> <div><div><input type="checkbox"/></div><div>3. 2002-2003</div></div> <div><div><input checked="" type="checkbox"/></div><div>4. 2005-2006</div></div>
Q.81	Which two countries signed Bilateral Investment Treaty (BIT) on 27 September 2024 to boost investor confidence and enhance economic cooperation?
Ans	<div><div><input checked="" type="checkbox"/></div><div>1. India and Uzbekistan</div></div> <div><div><input type="checkbox"/></div><div>2. Sri Lanka and Kenya</div></div> <div><div><input type="checkbox"/></div><div>3. USA and Philippines</div></div> <div><div><input type="checkbox"/></div><div>4. South Korea and France</div></div>
Q.82	What was a key feature of the economic reforms in India after 1991?
Ans	<div><div><input type="checkbox"/></div><div>1. Decreased private sector involvement</div></div> <div><div><input type="checkbox"/></div><div>2. Strict control over foreign investments</div></div> <div><div><input type="checkbox"/></div><div>3. Nationalisation of industries</div></div> <div><div><input checked="" type="checkbox"/></div><div>4. Liberalisation of trade policies</div></div>
Q.83	Meerananda Barthakur is a famous _____ dancer.
Ans	<div><div><input type="checkbox"/></div><div>1. Manipuri</div></div> <div><div><input type="checkbox"/></div><div>2. Kuchipudi</div></div> <div><div><input checked="" type="checkbox"/></div><div>3. Sattriya</div></div> <div><div><input type="checkbox"/></div><div>4. Kathak</div></div>

Q.84	What is the name given to India’s first-ever AI teacher robot launched in a Kerala school in March 2024?
Ans	<div><div><input type="checkbox"/></div><div>1. Shalu</div></div> <div><div><input type="checkbox"/></div><div>2. Vidya</div></div> <div><div><input type="checkbox"/></div><div>3. Sophia</div></div> <div><div><input checked="" type="checkbox"/></div><div>4. Iris</div></div>



Q.91	Real gases deviate from the ideal gas law because of intermolecular interactions among their molecules. Which of the following statements is correct regarding the pressure of a real gas compared to the ideal gas pressure?
Ans	<div><div><input type="checkbox"/></div><div>1. The pressure of real gas decreases by a correction term which is directly proportional to the square of the volume.</div></div> <div><div><input type="checkbox"/></div><div>2. The pressure of real gas increases by a correction term which is inversely proportional to square of the volume.</div></div> <div><div><input type="checkbox"/></div><div>3. The pressure of real gas increases by a correction term which is directly proportional to the square of the volume.</div></div> <div><div><input checked="" type="checkbox"/></div><div>4. The pressure of real gas decreases by a correction term which is inversely proportional to the square of the volume.</div></div>
Q.92	The Indian Army conducted which of the following Multilateral Annual Joint Humanitarian Assistance and Disaster Relief (HADR) Exercises at Ahmedabad and Porbandar in November 2024?
Ans	<div><div><input type="checkbox"/></div><div>1. Operation Vijay 2024</div></div> <div><div><input type="checkbox"/></div><div>2. Operation Kaveri</div></div> <div><div><input type="checkbox"/></div><div>3. Operation Karuna</div></div> <div><div><input checked="" type="checkbox"/></div><div>4. Sanyukt Vimochan 2024</div></div>
Q.93	Which of the following sacred texts provide(s) most of the information about the social and economic life of the early Vedic period?
Ans	<div><div><input type="checkbox"/></div><div>1. Ramayana</div></div> <div><div><input type="checkbox"/></div><div>2. Upnishadas</div></div> <div><div><input type="checkbox"/></div><div>3. Mahabhatarta</div></div> <div><div><input checked="" type="checkbox"/></div><div>4. Vedas</div></div>
Q.94	$1\text{ kg L}^{-1} = \text{_____ g cm}^{-3}$
Ans	<div><div><input type="checkbox"/></div><div>1. 1000</div></div> <div><div><input checked="" type="checkbox"/></div><div>2. 1</div></div> <div><div><input type="checkbox"/></div><div>3. 100</div></div> <div><div><input type="checkbox"/></div><div>4. 10</div></div>
Q.95	A macromolecule consisting of ten or more monosaccharide units linked together by glycosidic bonds is called:
Ans	<div><div><input type="checkbox"/></div><div>1. a monosaccharide</div></div> <div><div><input type="checkbox"/></div><div>2. a disaccharide</div></div> <div><div><input type="checkbox"/></div><div>3. an oligosaccharide</div></div> <div><div><input checked="" type="checkbox"/></div><div>4. a polysaccharide</div></div>
Q.96	Which organisation partnered with NABARD to organise the 'Climate Changemakers' dialogue in August 2024?
Ans	<div><div><input type="checkbox"/></div><div>1. United Nations</div></div> <div><div><input type="checkbox"/></div><div>2. International Monetary Fund</div></div> <div><div><input type="checkbox"/></div><div>3. World Bank</div></div> <div><div><input checked="" type="checkbox"/></div><div>4. Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH</div></div>
Q.97	To which political party does Omar Abdullah, who became the Chief Minister of Jammu and Kashmir after the abrogation of Article 370, belong?
Ans	<div><div><input type="checkbox"/></div><div>1. People's Democratic Party</div></div> <div><div><input type="checkbox"/></div><div>2. Jammu and Kashmir National Panthers Party</div></div> <div><div><input type="checkbox"/></div><div>3. Indian National Congress</div></div> <div><div><input checked="" type="checkbox"/></div><div>4. National Conference</div></div>

Q.98	How many biotech products were launched by Indian startups at the Global Bio-India held in September 2024, highlighting the country's emerging talent in bioscience?
Ans	<div><div><input checked="" type="checkbox"/> 1. 11</div><div><input type="checkbox"/> 2. 14</div><div><input type="checkbox"/> 3. 5</div><div><input type="checkbox"/> 4. 7</div></div>
Q.99	The Government of India initiated and announced the policy of Special Economic Zones to attract foreign investments in business. This was announced in the year _____.
Ans	<div><div><input type="checkbox"/> 1. 2002</div><div><input type="checkbox"/> 2. 2007</div><div><input checked="" type="checkbox"/> 3. 2000</div><div><input type="checkbox"/> 4. 2005</div></div>
Q.100	Cherrapunji and Mawsynram (receive annual rainfall exceeding 1,080 cm) are located in which hills of Meghalaya?
Ans	<div><div><input type="checkbox"/> 1. Garo hills</div><div><input type="checkbox"/> 2. Jaintia hills</div><div><input checked="" type="checkbox"/> 3. Khasi hills</div><div><input type="checkbox"/> 4. Shillong hills</div></div>
Q.101	When did the revolt of 1857 start?
Ans	<div><div><input type="checkbox"/> 1. 11 May 1857</div><div><input checked="" type="checkbox"/> 2. 10 May 1857</div><div><input type="checkbox"/> 3. 10 June 1857</div><div><input type="checkbox"/> 4. 11 June 1857</div></div>
Q.102	Which Schedule of the Indian Constitution deals with languages?
Ans	<div><div><input type="checkbox"/> 1. Twelfth Schedule</div><div><input type="checkbox"/> 2. Tenth Schedule</div><div><input checked="" type="checkbox"/> 3. Eighth Schedule</div><div><input type="checkbox"/> 4. Sixth Schedule</div></div>
Q.103	Example of a gaseous conductor is _____.
Ans	<div><div><input type="checkbox"/> 1. nitrogen</div><div><input type="checkbox"/> 2. oxygen</div><div><input type="checkbox"/> 3. argon</div><div><input checked="" type="checkbox"/> 4. wet air</div></div>
Q.104	In 2011, the sex ratio (number of females per 1000 males) at all India level was 943 and the same for rural areas was _____.
Ans	<div><div><input type="checkbox"/> 1. 931</div><div><input checked="" type="checkbox"/> 2. 949</div><div><input type="checkbox"/> 3. 929</div><div><input type="checkbox"/> 4. 952</div></div>
Q.105	Which of the following crops increases the natural fertility of soils through nitrogen fixation?
Ans	<div><div><input type="checkbox"/> 1. Cereal grains</div><div><input checked="" type="checkbox"/> 2. Pulses</div><div><input type="checkbox"/> 3. Root vegetables</div><div><input type="checkbox"/> 4. Oilseeds</div></div>

Q.106	During the winter months, the weather conditions in India are primarily influenced by the high-pressure system over which region?
Ans	<div><div><input checked="" type="checkbox"/></div>1. Central and Western Australia</div> <div><div><input checked="" type="checkbox"/></div>2. Central and Western Asia</div> <div><div><input checked="" type="checkbox"/></div>3. Central and Southern Europe</div> <div><div><input checked="" type="checkbox"/></div>4. Central and Eastern Asia</div>
Q.107	Which of the following is true regarding the removal of a judge of a High Court in India?
Ans	<div><div><input checked="" type="checkbox"/></div>1. A judge can only be removed after an address from Parliament, supported by a special majority.</div> <div><div><input checked="" type="checkbox"/></div>2. The procedure for removal of a High Court judge differs from that of a Supreme Court judge.</div> <div><div><input checked="" type="checkbox"/></div>3. A judge can be removed on any grounds as decided by the President.</div> <div><div><input checked="" type="checkbox"/></div>4. The President can remove a judge without any parliamentary involvement.</div>
Q.108	In August 2024, The Madras High Court declared which of the following Sections unconstitutional?
Ans	<div><div><input checked="" type="checkbox"/></div>1. Section 123 of the Registration Act</div> <div><div><input checked="" type="checkbox"/></div>2. Section 45 of the Registration Act</div> <div><div><input checked="" type="checkbox"/></div>3. Section 77-A of the Registration Act</div> <div><div><input checked="" type="checkbox"/></div>4. Section 50 of the Registration Act</div>
Q.109	Who among the following founded the secret Congress Radio, which broadcast messages of independence and anti-British propaganda and made significant contributions to the freedom struggle?
Ans	<div><div><input checked="" type="checkbox"/></div>1. Aruna Roy</div> <div><div><input checked="" type="checkbox"/></div>2. Usha Mehta</div> <div><div><input checked="" type="checkbox"/></div>3. Sunitha Krishnan</div> <div><div><input checked="" type="checkbox"/></div>4. Kalpana Datta</div>
Q.110	Which Article of the Indian Constitution allows the State to make special provisions for the advancement of any socially and educationally backward class?
Ans	<div><div><input checked="" type="checkbox"/></div>1. Article 17</div> <div><div><input checked="" type="checkbox"/></div>2. Article 15</div> <div><div><input checked="" type="checkbox"/></div>3. Article 16</div> <div><div><input checked="" type="checkbox"/></div>4. Article 18</div>
Q.111	Which of the following are the two main fibre crops grown in India?
Ans	<div><div><input checked="" type="checkbox"/></div>1. Rayon and Nylon</div> <div><div><input checked="" type="checkbox"/></div>2. Wool and Silk</div> <div><div><input checked="" type="checkbox"/></div>3. Cotton and Jute</div> <div><div><input checked="" type="checkbox"/></div>4. Flax and Hemp</div>
Q.112	The frequency and paths of the tropical depressions originating from the Bay of Bengal are mainly determined by the position of which of the following?
Ans	<div><div><input checked="" type="checkbox"/></div>1. Tropic of Cancer</div> <div><div><input checked="" type="checkbox"/></div>2. Inter-Tropical Convergence Zone (ITCZ)</div> <div><div><input checked="" type="checkbox"/></div>3. Equator</div> <div><div><input checked="" type="checkbox"/></div>4. Tropic of Capricorn</div>
Q.113	After which of the following wars did the British company rule formally begin in India?
Ans	<div><div><input checked="" type="checkbox"/></div>1. Battle of Plassey</div> <div><div><input checked="" type="checkbox"/></div>2. Third Battle of Panipat</div> <div><div><input checked="" type="checkbox"/></div>3. Second Carnatic War</div> <div><div><input checked="" type="checkbox"/></div>4. Battle of Buxar</div>

Q.114	<b>Khelo India Rising Talent Identification (KIRTI) programme was inaugurated at which place in March 2024 with an aim to hunt sporting talents in school children between 9 and 18 years of age?</b>
Ans	<div><div><input type="checkbox"/></div><div>1. Dehradun</div></div> <div><div><input checked="" type="checkbox"/></div><div>2. Chandigarh</div></div> <div><div><input type="checkbox"/></div><div>3. New Delhi</div></div> <div><div><input type="checkbox"/></div><div>4. Lucknow</div></div>
Q.115	<b>Which Article of the Indian Constitution provides for the promotion of international peace and security as a directive principle?</b>
Ans	<div><div><input checked="" type="checkbox"/></div><div>1. Article 51</div></div> <div><div><input type="checkbox"/></div><div>2. Article 48</div></div> <div><div><input type="checkbox"/></div><div>3. Article 41</div></div> <div><div><input type="checkbox"/></div><div>4. Article 44</div></div>
Q.116	<b>The Golden Quadrilateral Project of Government of India was launched in the year 2001, this project aimed at development of _____.</b>
Ans	<div><div><input type="checkbox"/></div><div>1. waterways</div></div> <div><div><input type="checkbox"/></div><div>2. railways</div></div> <div><div><input type="checkbox"/></div><div>3. airports</div></div> <div><div><input checked="" type="checkbox"/></div><div>4. highways</div></div>
Q.117	<b>The word 'Veda' is derived from which of the following root words?</b>
Ans	<div><div><input type="checkbox"/></div><div>1. Vedi</div></div> <div><div><input type="checkbox"/></div><div>2. Vit</div></div> <div><div><input checked="" type="checkbox"/></div><div>3. Vid</div></div> <div><div><input type="checkbox"/></div><div>4. Ved</div></div>
Q.118	<b>Emani Sankara Sastry is known for playing which of the following musical instruments in India?</b>
Ans	<div><div><input type="checkbox"/></div><div>1. Sitar</div></div> <div><div><input checked="" type="checkbox"/></div><div>2. Veena</div></div> <div><div><input type="checkbox"/></div><div>3. Been</div></div> <div><div><input type="checkbox"/></div><div>4. Tabla</div></div>
Q.119	<b>What was HDFC Bank's net interest margin (NIM) for Q2 FY25?</b>
Ans	<div><div><input type="checkbox"/></div><div>1. 3.55%</div></div> <div><div><input checked="" type="checkbox"/></div><div>2. 3.46%</div></div> <div><div><input type="checkbox"/></div><div>3. 3.47%</div></div> <div><div><input type="checkbox"/></div><div>4. 3.50%</div></div>
Q.120	<b>Who among the following first demanded Swaraj, or self-rule, as the goal of the Indian National Congress at the 1906 Calcutta session?</b>
Ans	<div><div><input type="checkbox"/></div><div>1. Bal Gangadhar Tilak</div></div> <div><div><input type="checkbox"/></div><div>2. Subhas Chandra Bose</div></div> <div><div><input checked="" type="checkbox"/></div><div>3. Dadabhai Naoroji</div></div> <div><div><input type="checkbox"/></div><div>4. AO Hume</div></div>