

RRB GROUP - D SHIFT - 2 (09-09-2022)



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रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS सी ई एन आर आर सी - ०१/२०१९ - CEN RRC - 01/2019



Test Date	09/09/2022
Test Time	12:45 PM - 2:15 PM
Subject	Level 1

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 : Level 1

Q.1 Based on the given statement, four conclusions are drawn. Find out which conclusion is NOT true based on the statement.

Statement: $H \le N \le C \le K = X > T > F$

- Ans $X 1. X \ge N$
 - \times 2. H < X
 - **X** 3. **K** > **F**
 - √ 4. N > X



Question ID: 7518974773

Option 1 ID: 75189719090

Option 2 ID: 75189719091

Option 3 ID: 75189719092 Option 4 ID: 75189719089

Status: Answered

Chosen Option: 4

Q.2 If the power of a convex lens is 3 dioptre, then its focal length will be:

- Ans X 1. -0.33 m
 - X 2. +3 m
 - **X** 3. −3 m
 - ✓ 4. +0.33 m

Question ID: 7518979521

Option 1 ID: 75189738084

Option 2 ID: 75189738081

Option 3 ID: 75189738082

Option 4 ID: 75189738083

Status: Answered Chosen Option: 4



Q.3 In India, the western cyclonic disturbances are weather phenomena of the winter months brought in by the westerly flow from the ______.
 Ans
 In India, the western cyclonic disturbances are weather phenomena of the winter months brought in by the westerly flow from the ______.

× 2. Pacific Ocean region

X 3. Arabian Sea region

★ 4. Bay of Bengal region

Question ID: 7518978904
Option 1 ID: 75189735615
Option 2 ID: 75189735616
Option 3 ID: 75189735613
Option 4 ID: 75189735614
Status: Answered
Chosen Option: 1

Q.4 The cost of a washing machine is 40% less than the cost of a TV. If the cost of the washing machine increases by 18% and that of the TV decreases by 10%, then what is the change in the total cost of 5 washing machines and 2 TVs?

Ans X 1. Decreases by 6.4%

★ 2. Decreases by 6.5%

X 3. Increases by 6.5%

X 3. Increases by 6.5%

Question ID: 7518978358
Option 1 ID: 75189733431
Option 2 ID: 75189733429
Option 3 ID: 75189733430
Option 4 ID: 75189733432
Status: Answered

Chosen Option: 4

Q.5 Find the surface area of a sphere of radius 3.5 cm.

Ans × 1. 142 cm²

✓ 2. 154 cm²

× 3. 120 cm²

× 4. 210 cm²

Question ID: 7518975753
Option 1 ID: 75189723010
Option 2 ID: 75189723011
Option 3 ID: 75189723012
Option 4 ID: 75189723009
Status: Answered



Q.6 If '+' means ' ÷', '-' means '+', '×' means '-' and '+' means ' ×', then, what will be the value of the following expression?

 $[\{(35\times 26)-(4\div 3)\}+(3-4)]\div 5$

Ans × 1. 10

X 2. 18

X 3. 20

√ 4. 15

Question ID : **7518977756** Option 1 ID : **75189731022**

Option 2 ID: **75189731021** Option 3 ID: **75189731024** Option 4 ID: **75189731023**

Status : Answered

Chosen Option: 4

Q.7 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 he numbers into its constituent digits. E.g. 12 – Operations on 12 such as adding/ subtracting/multiplying etc. to 12 can be performed. Breaking down 12 into 1 and 2 and then performing mathematical operations on 1 and 2 is not allowed)

(11, 154, 7) (6, 180, 15)

Ans X 1. (25, 375, 5)

 \times 2. (5, 20, 60)

√ 3. (3, 90, 15)

X 4. (23, 46, 2)

Question ID : 7518978318

Option 1 ID: 75189733270

Option 2 ID: 75189733271

Option 3 ID : **75189733272**

Option 4 ID : **75189733269** Status : **Answered**

Chosen Option: 3

Q.8 Which of the following statements is true about the nature of roots for the equation

$$x(x + 3) - 8 = 2(x + 3)(x - 3)$$
?

Ans X 1. Two imaginary or non-real roots

× 2. Roots are irrational

✓ 3. Two real and distinct roots

X 4. Roots are real and equal

Question ID: 7518979314

Option 1 ID : 75189737256

Option 2 ID : **75189737254**

Option 3 ID: **75189737255**

Option 4 ID: 75189737253

Status : Answered



 $\textbf{Q.9} \quad \text{Refer to the following letter, number, symbol series and answer the question.}$ (Left) N & 2 G 9 S P T B 4 @ H # 1 8 S B A 3 P (Right) If all numbers are dropped from the series, which of the following will be seventh from the right? Ans 🗙 1. # X 2. H **√** 3. **a** X 4. B Question ID: 7518979157 Option 1 ID: 75189736628 Option 2 ID: 75189736625 Option 3 ID: 75189736627 Option 4 ID: 75189736626 Status : Answered Chosen Option: 3 Q.10 If A means 'addition', B means 'multiplication', C means 'subtraction' and D means 'division', then 40 D 2 A 3 B 8 C 5 = ?Ans X 1. 33 X 2. 45 **3. 39** × 4. 40 Question ID: 7518978079 Option 1 ID: 75189732313 Option 2 ID: 75189732314 Option 3 ID: 75189732315 Option 4 ID: 75189732316 Status: Answered



 $\textbf{Q.11} \quad \text{Select the number from among the given options that can replace the question mark (?) in the following series.}$ 154, 134, 116, ?, 86, 74, 64, 56 Ans 🔀 1. 98 **2.** 100 X 3. 101 X 4. 96 Question ID: 7518978041 Option 1 ID: 75189732163 Option 2 ID: 75189732161 Option 3 ID: 75189732162 Option 4 ID: 75189732164 Status : **Answered** Chosen Option: 2 **Q.12** In \triangle MNO, \angle N = \angle O and NO = 12 cm, MO = 10 cm and MP be the altitude, then the length of MP is: Ans X 1. 3 cm X 2. 11 cm × 3. 10 cm √ 4. 8 cm Question ID: 7518979337 Option 1 ID: 75189737345 Option 2 ID: 75189737347 Option 3 ID: 75189737348 Option 4 ID: 75189737346 Status: Answered Chosen Option: 4 Q.13 What is the measure of each interior angle of a regular polygon with 10 sides? Ans X 1. 156° X 2. 174° √ 3. 144° X 4. 180° Question ID: 7518979335 Option 1 ID: 75189737338 Option 2 ID: 75189737340 Option 3 ID: 75189737337 Option 4 ID: 75189737339 Status : Answered Chosen Option: 3



 $\textbf{Q.14} \quad \text{If the resistance of a conductor is } 4.2~\Omega \text{ and } 220~V \text{ is applied across it then the current passing through the conductor is:}$

Ans × 1. 5238 ampere

× 2. 0.02 ampere

× 3. 924 ampere

Question ID: 7518979548 Option 1 ID: 75189738191 Option 2 ID: 75189738192 Option 3 ID: **75189738189** Option 4 ID: 75189738190 Status: Answered

Chosen Option : 4

Q.15 Which of the following sports events is NOT included in the scheme of cash awards in India to medal winners and their coaches in international sports events?

Ans X 1. Wrestling

× 2. Chess

X 3. Billiards

√ 4. Cricket

Question ID: 7518976801

Option 1 ID: 75189727204 Option 2 ID: 75189727202

Option 3 ID: 75189727203 Option 4 ID: 75189727201

Status: Answered

Chosen Option: 2

Q.16 Refer to the following letter series and answer the question that follows.

SSGYUNGTRFCEDAWXCVUNJOKLECD

How many such vowels are there each of which is immediately preceded by a consonant and also immediately followed by a consonant?

Ans 🗼 1. 6

X 2. 8

X 3. 5

X 4. 3

Question ID: 7518977976

Option 1 ID: 75189731903

Option 2 ID: 75189731904

Option 3 ID: 75189731902

Option 4 ID: 75189731901 Status : Answered



Q.17 In which of the following locations is the Brahmaputra river known as Tsang Po?

Ans X 1. Pakistan

✓ 2. Tibet

× 3. Nepal

X 4. Bangladesh

Question ID : 7518979431 Option 1 ID : 75189737724 Option 2 ID : 75189737721 Option 3 ID : 75189737723 Option 4 ID : 75189737722 Status : Answered

Chosen Option : 2

Q.18 The formula for resultant resistance of three resistors connected in parallel combination is:

Ans

$$\checkmark 2. \frac{1}{R} = \frac{1}{R_1} + \frac{1}{R_2} + \frac{1}{R_3}$$

$$\times$$
 3. $R = R_1 + R_2 + R_3$

$$\times$$
 4. $R = \frac{1}{R_1} + \frac{1}{R_2} + \frac{1}{R_3}$

Question ID: 7518979559

Option 1 ID: 75189738236

Option 2 ID: 75189738234

Option 3 ID: 75189738235

Option 4 ID : **75189738233** Status : **Answered**

Chosen Option: 2

Q.19 Which of the following interchanges of numbers would make the given equation correct?

$$10 \div 6 \times 4 + 14 - 24 = 30$$

Question ID: 7518975108

Option 1 ID: 75189720430

Option 2 ID: 75189720429

Option 3 ID: 75189720431

Option 4 ID : **75189720432**

Status : Answered

Q.20 When Kavita took an aqueous solution of copper sulphate and added some granules of aluminium, the colour of the solution changed. This is because of the formation of:

Ans X 1. CuO

× 2. Al(OH)₃

× 3. Al₂O₃

Question ID : 7518973490
Option 1 ID : 75189713960
Option 2 ID : 75189713959
Option 3 ID : 75189713958
Option 4 ID : 75189713957
Status : Not Answered

Chosen Option : --

Q.21 Which of the following chemical reactions is balanced?

Ans \times 1. Fe + 4H₂O \rightarrow Fe₃O₄ + 4H₂

 \times 2. Fe + H₂O \rightarrow Fe₃O₄ + H₂

 \checkmark 3. Zn + H₂SO₄ \rightarrow ZnSO₄ + H₂

 \times 4. Mg + $O_2 \rightarrow$ MgO

Question ID: **7518979610**Option 1 ID: **75189738440**Option 2 ID: **75189738437**

Option 3 ID : **75189738438**Option 4 ID : **75189738439**Status : **Answered**

Chosen Option : 3

Q.22 If in the word 'DISCOUNT' all the letters are arranged in alphabetical order from left to right, then the position of how many letters will be remain unchanged?

Ans X 1. Four

X 2. Two

X 3. Three

✓ 4. One

Question ID : **7518978986** Option 1 ID : **75189735944**

Option 2 ID : **75189735942** Option 3 ID : **75189735943**

Option 4 ID : **75189735941** Status : **Answered**

Q.23 VM 19 is related to SJ 25 in a certain way. In the same way, HN 17 is related to EK 23. To which of the following is SL 15 related following the same logic? Ans X 1. MQ 24 ✓ 2. PI 21 X 3. RJ 19 X 4. QI 21 Question ID: 7518978287 Option 1 ID: 75189733148 Option 2 ID: 75189733147 Option 3 ID: 75189733146 Option 4 ID: 75189733145 Status : Answered Chosen Option: 2 Q.24 During a school tour one among the group of 15 students was elected as the group leader. If there are total 11 such groups, how many students are going for the tour? Ans X 1. 154 X 2. 174 **√** 3. 165 X 4. 176 Question ID: 7518977905 Option 1 ID: 75189731619 Option 2 ID: 75189731620 Option 3 ID: 75189731618 Option 4 ID: 75189731617 Status: Answered Chosen Option: 3 Q.25 As per the rule change in IPL 2022 duration of strategic time out changed from 2:30 minutes to _ Ans X 1. 4:30 **√** 2. **3** × 3. 3:30 X 4. 4 Question ID: 7518977146 Option 1 ID: 75189728584 Option 2 ID: 75189728581 Option 3 ID: 75189728582 Option 4 ID: 75189728583 Status: Not Answered Chosen Option : --



Q.26 If $p+q+r=13\,$ and $pq+qr+rp=30\,,$ then the value of $p^3+q^3+r^3-3pqr$ is:

Ans 💉 1. 1027

× 2. 1125

X 3. 1145

X 4. 1216

Question ID : 7518976322

Option 1 ID: 75189725287 Option 2 ID: 75189725285

Option 3 ID: 75189725288 Option 4 ID: 75189725286

Status: Answered

Chosen Option: 1

Q.27 From the options given below, select the organism having a three-chambered heart.

Ans X 1. Pigeon

× 2. Fish

★ 4. Tiger

Question ID: 7518974398

Option 1 ID: 75189717590 Option 2 ID: 75189717591

Option 3 ID: 75189717589

Option 4 ID: 75189717592

Status : Answered Chosen Option: 3

Q.28 Amit told Shweta, "To reach our apartment, your mother must walk 560 m towards the east from her restaurant. She must then take a right turn and walk 543 m. She must take another right turn and walk 560 m. Then she must take one final right turn and walk 120 m". How far and in which direction is the apartment from the restaurant? (All turns are 90 degree turns only)

Ans X 1. 397 m, South

× 2. 397 m, North

X 4. 423 m, North

Question ID: 7518977697

Option 1 ID: 75189730787

Option 2 ID: 75189730788 Option 3 ID: 75189730785

Option 4 ID: 75189730786 Status: Answered



Q.29 A, B, C, D, E, F, G and H are sitting around a square table facing the centre of the table. Some of them are sitting at the corners, while some are sitting at the exact centre of the sides. H is sitting at any one of the sides and is exactly opposite to C. G is sitting second to the right of H and second to the left of C. E is sitting exactly opposite to G. B is sitting third to the right of H and is exactly opposite to A. Both G and H are the immediate neighbours of D. Which of the following statements is NOT true with reference to F?

Ans X 1. F is exactly opposite to D

X 2. B is sitting to F's second left.

X 3. E and C are F's immediate neighbours

Question ID : 7518977296 Option 1 ID : 75189729182 Option 2 ID : 75189729184 Option 3 ID : 75189729183 Option 4 ID : 75189729181 Status : Answered

Chosen Option: 4

 $^{\mathrm{Q.30}}$ If a reactant gains oxygen in a reaction, it is said to be undergoing:

Ans X 1. dissociation

X 2. reduction

✓ 3. Oxidation

★ 4. redox process

Question ID: 7518979631
Option 1 ID: 75189738524
Option 2 ID: 75189738521
Option 3 ID: 75189738522
Option 4 ID: 75189738523
Status: Answered

Chosen Option: 3

Q.31 The first Digital Food Museum in India was launched in _____ in the year 2021.

Ans X 1. Karnataka

X 2. Maharashtra

× 3. Kerala

✓ 4. Tamil Nadu

Question ID : 7518977444

Option 1 ID : 75189729774

Option 2 ID : 75189729776

Option 3 ID : 75189729775

Option 4 ID : 75189729773

Status : Answered

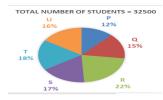
Q.32 The quadratic equation with real coefficients which has real roots 4 and -5 is:

- Ans \times 1. $x^2 x 30 = 0$
 - x^2 2. $x^2 5x 24 = 0$
 - \times 3. $x^2 4x 20 = 0$
 - \checkmark 4. $x^2 + x 20 = 0$

Question ID: 7518979308 Option 1 ID: 75189737232 Option 2 ID: 75189737230 Option 3 ID: 75189737231 Option 4 ID: 75189737229 Status: Answered

Chosen Option: 4

Q.33 The following pie-chart shows the distribution of students of graduate levels in seven different colleges. Distribution of students at graduate levels in seven different colleges:



What is the sum of students in College of P and T studying at graduate level?

- Ans X 1. 3900
 - √ 2. 9750
 - X 3. 8925
 - X 4. 9875

Question ID: 7518979064

Option 1 ID: 75189736253

Option 2 ID: 75189736255

Option 3 ID: 75189736254

Option 4 ID: 75189736256

Status: Answered Chosen Option : 2

Q.34 Simplify $(4x - 5y)^2 + (5x + 4y)^2 + (4x + 5y)(4x - 5y)$.

- Ans \times 1. $-58x^2 + 16y^2$
 - \checkmark 2. $57x^2 + 16y^2$
 - \times 3. $58x^2 + 16y^2$
 - \times 4. $-57x^2 16v^2$

Question ID: 7518978731

Option 1 ID: 75189734922

Option 2 ID: 75189734921

Option 3 ID: 75189734924 Option 4 ID: 75189734923

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Status: Answered

Q.35 Given below is a statement followed by two possible underlying assumptions I and II. Read the information carefully and select the correct option.

Statement:

Research has suggested that regular physical activity not only reduces the chances of physical illness but also of mental illnesses.

Which of the following can be assumed by the given statement?

I. The medicines for mental illness would work faster if the patient also exercises daily.

II. Patients who are bedridden have a greater chance of developing some mental illness as compared to those who are

Ans X 1. Both I and II can be assumed

✓ 2. Only II can be assumed

X 3. Neither I nor II can be assumed

★ 4. Only I can be assumed

Question ID: 7518979081

Option 1 ID: 75189736323

Option 2 ID: 75189736322

Option 3 ID: 75189736324

Option 4 ID: 75189736321

Status : Answered

Chosen Option : 2

Q.36 Study the given diagram carefully and answer the question. The numbers in different sections indicate the number of persons.



How many such boys are there who play badminton but NOT tennis?

Ans X 1. 9

X 2. 17

X 3. **8**

4 4. 11

Question ID: 7518979724

Option 1 ID: 75189738896

Option 2 ID: 75189738894

Option 3 ID: 75189738895

Option 4 ID: 75189738893

Status: Answered

Induced current is maximum when Ans direction of motion of the coil is perpendicular to the magnetic field × 2. coil is kept in the direction parallel to the magnetic field direction of motion of the coil is parallel to the magnetic field coil is kept in the direction perpendicular to the magnetic field Question ID: 7518979586 Option 1 ID: 75189738344 Option 2 ID: 75189738341 Option 3 ID: 75189738343 Option 4 ID: 75189738342 Status : Answered Chosen Option: 1 Q.38 What product(s) is/are transported by the plant transport system from the leaves and roots? ★ 1. Water only 2. Carbohydrates and minerals 3. Energy stores and raw materials Carbohydrates only Question ID: 7518977800 Option 1 ID: 75189731197 Option 2 ID: 75189731198 Option 3 ID: 75189731199 Option 4 ID: 75189731200 Status: Answered Chosen Option: 4 Q.39 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 /deleting /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) (3, 6, 18)(15, 30, 450) Ans **✓** 1. (1, 2, 2) × 2. (6, 12, 64) X 3. (9, 18, 166) × 4. (11, 22, 44) Question ID: 7518978062

> Status: Answered Teachingninja.in

Option 1 ID: 75189732247 Option 2 ID: 75189732245 Option 3 ID: 75189732246 Option 4 ID: 75189732248

 $^{\mbox{\scriptsize Q.40}}$ When did the ozone levels in the atmosphere start to reduce?

Ans X 1. 1995

× 2. 1965

× 3. 1990

4. 1980

Question ID : 7518974470
Option 1 ID : 75189717880
Option 2 ID : 75189717878
Option 3 ID : 75189717879
Option 4 ID : 75189717877
Status : Not Answered

Chosen Option : --

Q.41 Which element has non-metallic properties?

Ans 🗙 1. Na

√ 2. Cl

X 3. Li

X 4. K

Question ID: **7518979700**Option 1 ID: **75189738798**

Option 2 ID: 75189738799

Option 3 ID: 75189738797

Option 4 ID : **75189738800** Status : **Answered**

Chosen Option : 3

Q.42 As of July 2022, who among the following is the CEO of HelpAge India that works for 'the cause and care of disadvantaged older persons to improve their quality of life'?

Ans 🗸 1. Rohit Prasad

X 2. Ravi Venkatesan

X 3. Madhav Chavan

X 4. Deepak Kumar

Question ID : 7518976550

Option 1 ID: 75189726198

Option 2 ID: 75189726199

Option 3 ID: 75189726200

Option 4 ID: 75189726197

Status: Not Answered

Chosen Option : --



Q.43 The listed price of an article is ₹200. A customer purchases it at ₹150 after two successive discounts. If one discount is 10%, then the other discount percentage (rounded off to two decimal places) is:

Ans

√ 1. 16.66%

× 2. 20%

X 3. 12.5%

X 4. 11.11%

Question ID: 7518979254 Option 1 ID: 75189737015 Option 2 ID: 75189737016 Option 3 ID: 75189737013 Option 4 ID: 75189737014 Status: Answered

Chosen Option : 1

Q.44 Which of the following statements about plant nutrition is INCORRECT?

Ans X 1.

Carbon is taken up by green plants from atmospheric carbon dioxide.

2. Minerals and nutrients are poorly absorbed by water.

★ 3. Iron and manganese are both considered micronutrients.

Plants, in general, make use of the water in the soil at the root zone.



Question ID: 7518974329 Option 1 ID: 75189717313 Option 2 ID: 75189717315 Option 3 ID: 75189717314 Option 4 ID: 75189717316 Status: Answered Chosen Option: 2

Q.45 Six persons, P, Q, R, S, T and U travelled in different months of the same year viz. January, February, March, July, September and December.

U travelled in September. Only one person travelled between U and Q. No one travelled between P and S. S travelled in a month after P. More than two people travelled between S and T. Who among them travelled in March?

Ans X 1. R

X 2. T

X 3. **P**

√ 4. Q

Question ID: 7518978193 Option 1 ID: 75189732770

Option 2 ID: 75189732772 Option 3 ID: 75189732769 Option 4 ID: 75189732771

Status: Answered Chosen Option : 4



Q.46 Study the given table and answer the question that follows.

The table presents the cost price and profit percentage of various products being sold by an electronic superstore.

	2021				
Products	Cost Price (in thousands)	Profit Percentag			
Refrigerators	48	22			
Air Conditioners	39	17			
Washing Machines	13	12			
Televisions	59	23			
Music Systems	65	18			

If the cost price of all the products increased by 10% in the next year and profit percentage remained the same, which of the following products will record maximum increase in the sales price?

- Ans X1. Refrigerators
 - ✓ 2. Music systems
 - X 3. Air conditioners
 - X 4. Televisions

Question ID: 7518978100 Option 1 ID: 75189732398

Option 2 ID: 75189732400 Option 3 ID: 75189732397 Option 4 ID: 75189732399

Status: Answered

Chosen Option: 2

If
$$\sqrt{\left(1 - \frac{99}{2500}\right)} = \frac{49}{\sqrt{x}}$$
, then the value of χ is:

- Ans X 1. 2401
 - X 2. 50
 - X 3. 49
 - **4.** 2500

Question ID: 7518979205

Option 1 ID: 75189736819

Option 2 ID: 75189736818

Option 3 ID: 75189736820

Option 4 ID: 75189736817

Status: Answered

 $^{\mbox{\scriptsize Q.48}}$ The focal length of a convex mirror is: × 2. negative X 3. zero X 4. infinite Question ID: 7518979488 Option 1 ID: 75189737949 Option 2 ID: 75189737950 Option 3 ID: 75189737952 Option 4 ID: 75189737951 Status: Answered Chosen Option: 1 Q.49 Read the given statements and conclusions carefully and decide which of the given conclusions logically follow the statements. Statements: 1) $G \ge M$ 2) O < K 3) K < H 4) F = Q 5) M < O 6) F > H Conclusions: II. Q > MIII. O > QIV. M < Q Ans X 1. Conclusions I and II follow X 2. Conclusions I and IV follow X 3. Conclusions II and III follow ✓ 4. Conclusions II and IV follow Question ID: 7518977941 Option 1 ID: 75189731764 Option 2 ID: 75189731763 Option 3 ID: 75189731761 Option 4 ID: 75189731762 Status: Answered Chosen Option : 2



 $\textbf{Q.50} \quad \text{This question is based on the five, three-digit numbers given below}.$

(left) 434 353 423 224 322 (right)

(Example: 246 - first digit = 2, second digit = 4, third digit = 6)

NOTE – All operations to be done from left to right.

If 4 is added to the second digit of every number, in how many numbers thus formed will the second digit be exactly divisible by the third digit?

Ans X 1. Two

× 2. Five

X 3. One

√ 4. Three

Question ID: 7518978274

Option 1 ID : **75189733095** Option 2 ID : **75189733096**

Option 3 ID: **75189733094** Option 4 ID: **75189733093**

Status : Answered

Chosen Option: 4

Q.51 Article 51A of the Constitution of India deals with _____

Ans X 1. union territories

✓ 2. fundamental duties

★ 3. panchayats

★ 4. fundamental rights

Question ID: 7518978590

Option 1 ID: 75189734359

Option 2 ID: 75189734358

Option 3 ID: **75189734360**

Option 4 ID : **75189734357** Status : **Answered**

Chosen Option : 2

 $^{ extsf{Q.52}}$ Who among the following is known as the architect of Indian planning?

Ans 🔀 1. Dhananjay Ramchandra Gadgil

× 2. Dattatreya Gopal Karve

✓ 3. Prasanta Chandra Mahalanobis

× 4. Kakkadan Nandanath Rajan

Question ID: 7518977241

Option 1 ID: 75189728964

Option 2 ID: 75189728962

Option 3 ID: 75189728963

Option 4 ID : **75189728961** Status : **Answered**



Q.53 Starting from point A, Ravi walks 30 m towards the north. He then takes a right turn and walks 100 m. Then, he takes another right turn and walks 30 m. From there, he turns to his right and walks 70 m. Then, he takes a left turn and walks 50 m. Finally, he takes a right turn and walks 30 m. How far and in which direction is Ravi now from point A? (All turns are 90 degree turns only)

Ans × 1. 30 m, West

X 2. 50 m, North

X 4. 30 m, North

Question ID : 7518975041
Option 1 ID : 75189720161
Option 2 ID : 75189720162
Option 3 ID : 75189720164
Option 4 ID : 75189720163
Status : Answered

Chosen Option : 3

Q.54 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:

- 1. Some parks are libraries.
- 2. Some banks are libraries.
- 3. All schools are banks.

Conclusions:

I-Some banks are schools.

II-Some parks are banks.

Ans X 1. Neither conclusion I nor II follows.

✓ 2. Only conclusion I follows.

X 3. Both conclusions I and II follow.

★ 4. Only conclusion II follows.

Question ID : 7518979070 Option 1 ID : 75189736280 Option 2 ID : 75189736277 Option 3 ID : 75189736279 Option 4 ID : 75189736278

Status : **Answered** Chosen Option : **2**

Q.55 Which of the following is the largest coal field in India?

Ans X 1 Raniganj Coal Fields

X 2. Bokaro Coal Fields

√ 3. Jharia Coal Fields

★ 4. Karanpura Coal Fields

Question ID : **7518979427** Option 1 ID : **75189737706**

Option 2 ID : **75189737707** Option 3 ID : **75189737705**

Option 4 ID : **75189737708**

Status : **Answered** Chosen Option : **2**



Q.56

In which of the following years was the Shri Jagannath Temple Act passed?

Ans

- √ 1. 1955
- X 2. 1935
- X 3. 1965
- × 4. 1945

Question ID: 7518973831

Option 1 ID: 75189715323

Option 2 ID: 75189715324 Option 3 ID: 75189715321

Option 4 ID: 75189715322

Status: Not Answered

Chosen Option: --

Q.57 A person covers certain distance in 8 hours at a speed of 6 km/h and some more distance in 10 hours at a speed of 4 km/h. Find his average speed for the entire distance covered.

Ans

- \times 1. $3\frac{8}{9}$ km/h
- \times 2. $6\frac{8}{9}$ km/h
- \times 3. $5\frac{8}{9} \, km/h$
- \checkmark 4. $4\frac{8}{9} \ km/h$

Question ID: 7518978695

Option 1 ID: 75189734780

Option 2 ID: 75189734777

Option 3 ID: 75189734778

Option 4 ID: 75189734779

Status: Answered

Chosen Option : 4

Generally, the value of MPC (Marginal Propensity to Consume) _____.

- Ans X 1. varies between 1 and 2
 - × 2. varies between (−)1 and (−)2

 - ★ 4 remains constant at (-)1

Question ID: 7518978545

Option 1 ID: 75189734180

Option 2 ID: 75189734179

Option 3 ID: 75189734177

Option 4 ID: 75189734178





- Q.59 Some educational institutions in India were established in response to Mahatma Gandhi's call for non-cooperation with the British. Which of the following is NOT one of them?
- Ans X 1. Kashi Vidyapith
 - ✓ 2. Serampore College
 - X 3. Gujarat Vidyapith
 - × 4. Jamia Millia Islamia

Question ID: 7518978514 Option 1 ID: 75189734054 Option 2 ID: 75189734053 Option 3 ID: 75189734056 Option 4 ID: 75189734055

Status: Not Answered

Chosen Option: --

Q.60 An object is placed in front of a convex mirror of focal length 9 cm, at a distance of 18 cm. The magnification produced by the mirror is

Ans

- **X** 3. 1
- **×** 4. −1

Question ID: 7518976608

Option 1 ID: 75189726430

Option 2 ID: 75189726429

Option 3 ID: 75189726431

Option 4 ID: 75189726432 Status: Answered

Chosen Option: 1

Q.61 To combat eve teasing, sexual harassment and other crimes against women, 91 Nirbhaya Squads comprising of specially trained police officers were launched in on 26 January 2022.

- Ans X 1. Delhi
 - ✓ 2. Mumbai
 - X 3. Bengaluru
 - X 4. Chennai

Question ID: 7518978508

Option 1 ID: 75189734029

Option 2 ID: 75189734030

Option 3 ID: 75189734031

Option 4 ID: 75189734032

Status: Not Answered

Chosen Option : --

Q.62 The average weight of all children in a group is 45 kg. If 10 children of average weight 42 kg leave the group and 2 children of average weight 55 kg join the group, then the average weight of the children in the group increases by $1\frac{1}{4}$ kg. The number of children in the group initially was: Ans X 1. 38 × 2. 42 **3.** 48 X 4. 52 Question ID: 7518978407 Option 1 ID: 75189733625 Option 2 ID: 75189733626 Option 3 ID: 75189733627 Option 4 ID: 75189733628 Status: Answered Chosen Option: 3 Q.63 A man saves 30% of his monthly income. If his monthly income increases by 10%, then he saves 20% more than the previous savings. The percentage increase in his expenditure is _____ (rounded off to one decimal place). Ans X 1. 4.8% **√** 2. 5.7% × 3. 6.8% × 4. 7.3% Question ID: 7518978661 Option 1 ID: 75189734644 Option 2 ID: 75189734641 Option 3 ID: 75189734642 Option 4 ID: 75189734643 Status: Answered Chosen Option: 2 Q.64 Three years ago, a man was six times as old as his grandson. Three years later, his age will be 6 more than four times the age of the grandson. The present age of the grandson is: Ans X 1. 10 years × 2. 8 years × 4. 12 years Question ID: 7518979293 Option 1 ID: 75189737170 Option 2 ID: 75189737172 Option 3 ID: 75189737171 Option 4 ID: 75189737169 Status : Answered



Q.65 The functions of bile juice are mentioned below. Select the option that is NOT the function of bile juice.

Ans

- X 1. Increases the efficiency of the action of pancreatic enzymes
- ✗ 2. Breaks down large fat globules into smaller ones

Provides alkaline medium to the food for the action of pancreatic enzymes

Has a protein digesting enzyme that helps in the digestion of proteins

Question ID: 7518974571 Option 1 ID: 75189718284 Option 2 ID: 75189718282 Option 3 ID: 75189718281 Option 4 ID: 75189718283 Status: Answered

Chosen Option: 4

Q.66 Wires of copper, silver, nichrome and glass are made having similar length and diameter. Which will have the highest

- Ans X 1. Silver
 - ✓ 2. Glass
 - X 3. Nichrome
 - ★ 4. Copper

Question ID: 7518978134 Option 1 ID: 75189732534 Option 2 ID: 75189732535 Option 3 ID: 75189732536 Option 4 ID: 75189732533 Status: Answered

Chosen Option: 2

Q.67 Under perfect competition, a firm earns _____ profits in the long run.

- √ 1. normal
- × 2. zero
- ★ 3. super normal
- × 4. negative

Question ID: 7518976823 Option 1 ID: 75189727290 Option 2 ID: 75189727289 Option 3 ID: 75189727291 Option 4 ID: 75189727292

Status: Not Answered

Chosen Option : --



Q.68 The value of (cosec $x + \cot x + 1$)(sec $x - \tan x - 1$) is:

Ans $\times 1.$ -1

X 2. 1

√ 3. **−2**

X 4. 0

Question ID : 7518979347 Option 1 ID : 75189737385 Option 2 ID : 75189737387 Option 3 ID : 75189737388 Option 4 ID : 75189737386 Status : Answered

Chosen Option: 3

Q.69 The part of the magnet from where magnetic field lines emerge is known as:

Ans 1. north pole

× 2. middle of the magnet

★ 3. north and south pole

X 4. south pole

Question ID: 7518979576

Option 1 ID: 75189738302

Option 2 ID: 75189738301

Option 3 ID: **75189738304**

Option 4 ID : **75189738303** Status : **Answered**

Chosen Option : 3

Q.70 Which of the following is NOT a natural indicator for acids or bases?

Ans X 1. Turmeric

× 2. Coloured petals of Hydrangea

X 3. Coloured petals of Petunia

Question ID : **7518979634**

Option 1 ID: 75189738534

Option 2 ID: 75189738535

Option 3 ID: **75189738536**

Option 4 ID: 75189738533

Status : Answered



 $\textbf{Q.71} \quad \text{Eight girls, A, B, C, D, E, F, G and H, are seated around a square table, facing the centre. A sits } 2^{\text{nd}} \text{ to the right of B. F}$ sits 2nd to the right of E, who sits fourth to the left of H. G sits between A and B. D sits to the immediate left of H, who is to the immediate left of B. Only one person sits between C and D. Who is fourth to the right of G?

Ans X 1. C

X 2. D

√ 3. F

X 4. B

Question ID: 7518978949 Option 1 ID: 75189735796 Option 2 ID: 75189735794 Option 3 ID: 75189735795 Option 4 ID: 75189735793 Status: Answered

Chosen Option: 3

Q.72 10 years ago, the ratio of the ages of A and B was 5: 9. 15 years from now, the ratio of their ages will be 15: 17. What will be A's age 15 years from now?

Ans X 1. 26 years

× 2. 38 years

× 4. 35 years

Question ID: 7518978751

Option 1 ID: 75189735003

Option 2 ID: 75189735001 Option 3 ID: 75189735002

Option 4 ID: 75189735004

Status: Answered

Chosen Option: 3

Q.73 The largest four-digit number which when divided by 7, 11 and 13 leaves remainder 4 in each case is:

Ans X 1. 9999

√ 2. 9013

X 3. 9009

× 4. 1005

Question ID: 7518978652

Option 1 ID: 75189734606

Option 2 ID: 75189734608

Option 3 ID: 75189734607

Option 4 ID: 75189734605

Status: Answered



Q.74 Three statements are given followed by three conclusions. Consider the statements and conclusions to be true even if they vary from commonly known facts and then decide which of the conclusions follow(s) from the given statements.

Statements:

- 1. All bags are books.
- 2. All books are copies.
- 3. No pen is a copy.

Conclusions:

- (I) Some books are pens.
- (II) No bag is a pen.
- (III) Some copies are bags.
- Ans X 1. Only conclusion II follows.
 - ★ 2. Only conclusion III follows.
 - X 3. None of the conclusions follow.
 - ✓ 4. Only conclusions II and III follow.

Question ID: 7518979718

Option 1 ID: 75189738870

Option 2 ID: 75189738869

Option 3 ID: 75189738872

Option 4 ID: 75189738871

Status: Answered

Chosen Option: 4

Q.75 It is found that during dispersion of white light by a glass prism, the more a colour component is bent, the more is the refractive index of the glass for that colour component. If $\mu_R,\,\mu_V$ and μ_Y are refractive indices for red, violet and yellow lights, respectively, then which of the following relations between them is correct?

- Ans χ 1. $\mu_Y > \mu_R > \mu_V$
 - \checkmark 2. $\mu_V > \mu_Y > \mu_R$
 - \times 3. $\mu_R = \mu_V = \mu_Y$
 - \times 4. $\mu_R > \mu_V > \mu_V$

Question ID: 7518976650

Option 1 ID: 75189726599

Option 2 ID: 75189726598

Option 3 ID: 75189726600

Option 4 ID: 75189726597

Status: Answered

Chosen Option: 2

Q.76 The Karve Committee, which was constituted in the year 1955, dealt with:

- X 1. foreign trade
- × 2. insurance regulation
- × 4. railways

Question ID: 7518979419

Option 1 ID: 75189737675

Option 2 ID: 75189737674

Option 3 ID: **75189737673**

Option 4 ID: 75189737676



Q.77 The new Centre for Water Management and Policy, AquaMAP was inaugurated in March 2022 by the Principal Scientific Adviser to the Government of India, K Vijay Raghavan at which of the following IITs?

Ans X 1. IIT-Delhi

✓ 2. IIT-Madras

X 3. IIT-Bombay

X 4. IIT-Kharagpur

Question ID : 7518979360 Option 1 ID : 75189737440 Option 2 ID : 75189737438 Option 3 ID : 75189737437 Option 4 ID : 75189737439

Status : **Answered** Chosen Option : **2**

Q.78 Three pipes A, B and C together can fill a tank in 8 hours. Three pipes were opened før 2 hours, after that C was closed.

Later A and B fill the remaining part in 9 hours. The number of hours taken by C alone to fill the tank is:

Ans 🗙 1. 13

× 2. 20

√ 3. 24

X 4. 12

Question ID: 7518979268

Option 1 ID : 75189737070

Option 2 ID: **75189737071**

Option 3 ID : **75189737072** Option 4 ID : **75189737069**

Status : Answered

Chosen Option: 3

Q.79 Select the option that represents the letters that, when placed from left to right in the same sequence in the blanks below, will complete the letter series.

 $NLA_XN_BF_NL_F_NL_X$

Ans X 1. F L C C X A F

X2. FNXCXCF

X3. FLXNXDC

Question ID: 7518975220

Option 1 ID: 75189720880

Option 2 ID: **75189720878**

Option 3 ID: 75189720879

Option 4 ID : **75189720877** Status : **Answered**



 $^{\mbox{\scriptsize Q.80}}$ When a substance combines with $\mbox{\scriptsize O}_2$, it gets:

Ans 🗸 1. oxidised

X 2. Reduced

X 3. back its shine

X 4. dissolved in air

Question ID : 7518979632 Option 1 ID : 75189738527 Option 2 ID : 75189738526 Option 3 ID : 75189738528 Option 4 ID : 75189738525 Status : Answered

Chosen Option : 1

Q.81 Which of the following statements is correct?

Ans 🗳 1. For every protein, there is a specific gene.

× 2. For every protein, there is a specific RNA.

X 3. For every hormone, there is a specific chromosome.

★ 4. For every hormone, there is a specific protein.

Question ID : 7518974445 Option 1 ID : 75189717780 Option 2 ID : 75189717779 Option 3 ID : 75189717778 Option 4 ID : 75189717777 Status : Answered

Chosen Option : 2

Q.82 Who took oath as the Cabinet Minister of the Ministry of Parliamentary Affairs in 2019?

Ans 🔀 1. Subrahmanyam Jaishankar

× 2. Sarbananda Sonowal

X 3. Narayan Rane

✓ 4. Pralhad Venkatesh Joshi

Question ID : **7518974106**

Option 1 ID: **75189716423** Option 2 ID: **75189716424** Option 3 ID: **75189716422**

Option 4 ID : **75189716421**Status : **Answered**



 $^{ extsf{Q.83}}$ The HCF of the numbers 310, 208 and 180 is:

Ans × 1. 8

X 2. 6

√ 3. 2

X 4. 4

Question ID: 7518978645 Option 1 ID: 75189734580 Option 2 ID: 75189734579 Option 3 ID: 75189734577 Option 4 ID: 75189734578 Status: Answered

Chosen Option: 3

Q.84 Which of the following objectives is NOT a part of watershed management?

Ans X1. Mitigating droughts and floods

✓ 2. Generating electricity

★ 3. Restoring water levels in downstream rivers.

★ 4. Recharging of groundwater

Question ID : 7518977880

Option 1 ID: 75189731518

Option 2 ID : **75189731520** Option 3 ID : **75189731519**

Option 4 ID : 75189731517

Status : Answered

Chosen Option : 2

Q.85 In a certain code language, 'JUPITER' is written as 'KSSEYYY' and 'URANUS' is written as 'VPDJZM'. How will 'EARTH' be written in the same code language?

Ans X 1. FCUPM

X 2. FYUXM

X 4. FYOPM

Question ID: 7518979756

Option 1 ID: 75189739021

Option 2 ID: 75189739022

Option 3 ID: 75189739023

Option 4 ID: 75189739024

Status : **Answered** Chosen Option : **3**



Q.86 The value of (279 \div 31) + (363 \div 33) - (512 \div 16) is:

Ans X 1. 9

X 2. 10

√ 3. **−12**

X 4. −11

Question ID : 7518979200
Option 1 ID : 75189736798
Option 2 ID : 75189736800
Option 3 ID : 75189736797
Option 4 ID : 75189736799
Status : Answered

Chosen Option: 3

Q.87 Which of the following characteristics of the pea plant was NOT used by Mendel in his experiments?

Ans X 1. Length of pea plant

X 3. Shape of seeds

× 4. Colour of flowers

Question ID: 7518974436 Option 1 ID: 75189717743 Option 2 ID: 75189717744 Option 3 ID: 75189717741 Option 4 ID: 75189717742

Status: Not Answered

Chosen Option : --

Q.88 In a certain code language, 'BLISS' is written as 'KSNVT' and 'LIGHT' is written as 'UPLKU'. How will 'WHITE' be written in that language?

Ans X 1. FONVF

✓ 2. FONWF

X 3. FONWG

X 4. FOMWF

Question ID : 7518977997 Option 1 ID : 75189731985 Option 2 ID : 75189731987 Option 3 ID : 75189731986

Option 4 ID : **75189731988**Status : **Answered**



- ${f Q.89}$ The hydrocarbons which have a double bond between two carbon atoms are called:
- ★ 1 inorganic compounds
 - ★ 2. natural compounds
 - ★ 3. saturated compounds

Question ID: 7518973396 Option 1 ID: 75189713584

Option 2 ID: 75189713583 Option 3 ID: 75189713581 Option 4 ID: 75189713582

Status: Not Answered

Chosen Option : --

Express $0.4\overline{35}$ in the form $\frac{p}{q}$, where p and q are integers and $q \neq 0$.

Question ID: 7518979214

Option 1 ID: 75189736853

Option 2 ID: 75189736856 Option 3 ID: 75189736854

Option 4 ID: 75189736855

Status: Answered

Chosen Option : 2

Q.91 Select the number from among the given options that can replace the question mark (?) in the following series.

4, 9, 16, 29, 50, ?

- Ans 🗙 1. 78
 - **√** 2. **85**
 - **X** 3. 71
 - X 4. 73

Question ID: 7518979040

Option 1 ID: 75189736159

Option 2 ID: 75189736160

Option 3 ID: 75189736157

Option 4 ID: 75189736158

Status: Answered Chosen Option: 2

Q.92 The Kharchi Pooja festival is widely celebrated in the state of _____.

Ans X 1. Telangana

🖋 2. Tripura

X 3. Gujarat

X4. Uttarakhand

Question ID : 7518978853 Option 1 ID : 75189735409 Option 2 ID : 75189735410 Option 3 ID : 75189735412 Option 4 ID : 75189735411 Status : Answered

Chosen Option: 2

Q.93 Rohan lives in a seven-storeyed building. The top floor of the building is numbered as seven and the lowermost floor is numbered as one. Diya who is Rohan's friend lives somewhere above the floor where Rohan lives. Every Sunday Rohan goes two floors below to his colleague Atul's flat to eat and drink together. If there are three floors between Rohan's and Diya's floor, on which floor does Rohan live?

Ans X 1. Fourth floor

✓ 2. Third floor

X 3. Second floor

X 4. First floor

Question ID : 7518977898 Option 1 ID : 75189731592 Option 2 ID : 75189731591 Option 3 ID : 75189731590

Option 4 ID: **75189731589**Status: **Answered**Chosen Option: **2**

Q.94

In which of the following years was the Ministry of Panchayati Raj created?

Ans

1. 2004

X 2. 2002

X 3. 2001

×4. 2003

Question ID : Option 1 ID : Option 2 ID : Option 3 ID :

Option 4 ID : 75189715750 Status : Answered



 $\textbf{Q.95} \quad \text{The cost price of an article is $$\overline{5},000$. What should the selling price of the article be so that a profit of 25% is earned?}$

Ans × 1. ₹8,250

× 2. ₹7,250

X 3. ₹5,250

√ 4. ₹6,250

Question ID : 7518978684

Option 1 ID : 75189734733

Option 2 ID : 75189734734

Option 3 ID : 75189734736

Option 4 ID : 75189734735

Status : Answered

Chosen Option : 4

Q.96 Newlands' Law of Octaves worked well with:

Ans X 1. radioactive elements only

✓ 2. lighter elements only

★ 3. metallic elements only

X 4. noble gases only

Question ID : **7518979679** Option 1 ID : **75189738714**

Option 1 ID: **75189738714**Option 2 ID: **75189738715**Option 3 ID: **75189738713**

Option 4 ID : **75189738716**Status : **Answered**

Chosen Option: 4

 $^{\mathrm{Q.97}}$ The area of a triangle having base 9 cm and height 16 cm is:

Ans × 1. 92 cm²

× 2. 82 cm²

× 3. 62 cm²

✓ 4. 72 cm²

Question ID : 7518978779

Option 1 ID: 75189735113

Option 2 ID : **75189735114** Option 3 ID : **75189735116**

Option 4 ID : **75189735115**

Status : Answered



Q.98 What is the mean of the following distribution?

Marks	10	30	50	70	90
Number of students	17	28	32	24	19

Ans X 1. 51

2. **50**

X 3. 52.4

× 4. 49.2

Question ID: 7518978415 Option 1 ID: 75189733659 Option 2 ID: 75189733658 Option 3 ID: 75189733660

Option 4 ID: 75189733657 Status : Answered

Chosen Option: 2

 $\textbf{Q.99} \quad \text{Suman invested a sum of $$\stackrel{?}{$<$}$} 20,\!000 \text{ at } 10\% \text{ per annum compound interest. If she received an amount of $$\stackrel{?}{$<$}$} 26,\!620 \text{ after n } 10\% \text{ per annum compound interest.}$ years, the value of n is:

Ans X 1. 2.8 years

× 2. 2.5 years

★ 4. 2 years

Question ID: 7518979242

Option 1 ID: 75189736966

Option 2 ID: 75189736967

Option 3 ID: 75189736965

Option 4 ID: 75189736968 Status : Answered

Chosen Option: 3

Q.100 is spoken by around 2.5 million people, mainly on the central west coast of India, and it is the official language of Goa.

Ans 🗙 1. Dogri

X 2. Marathi

X 3. Dhivehi

√ 4. Konkani

Question ID: 7518978859

Option 1 ID: 75189735436

Option 2 ID: 75189735435

Option 3 ID: 75189735433

Option 4 ID: 75189735434

Status : Answered