

RRB GROUP - D SHIFT - 3 (16-09-2022)



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



Test Date	16/09/2022
Test Time	5:00 PM - 6:30 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 Which of the following terms will replace the question mark (?) in the given series to make it logically complete?

GLE11, KPI13, OTM17, SXQ19, ?

Ans 🗸 1. WBU23

× 2. UWB27

X 3. WBU27

X 4. UWB23

Question ID: 7518979138

Option 1 ID: 75189736551

Option 2 ID: 75189736552

Option 3 ID: 75189736549

Option 4 ID: 75189736550 Status: Answered

Chosen Option: 1

Q.2 The image of a star is obtained at F of a concave mirror when the incident ray is:

Ans X 1. along the focal plane

× 2. inclined to principal axis

★ 3. perpendicular to principal axis

4 parallel to principal axis

Question ID: 7518979472

Option 1 ID: 75189737888

Option 2 ID: 75189737887

Option 3 ID: 75189737885

Option 4 ID: 75189737886 Status: Answered



Convert $\frac{23}{11}$ to its recurring decimal form.

Ans ✓ 1. 2.09

× 2. 2. 18

× 3. 2. 23

X 4. 2.32

Question ID: 75189711392 Option 1 ID: 75189745565 Option 2 ID: 75189745566 Option 3 ID: 75189745567

Option 4 ID: 75189745568 Status: Answered

Chosen Option: 1

Q.4 Each of seven colleagues, A, B, C, D, E, F and G, travelled to USA for sales presentation in the months of April, May, June, July, August, September and October, in the year 2019, but not necessarily in the same order. Each colleague travelled in a different month. Exactly four people travelled after D's trip. C travelled between the trips of E and F. G $travelled \ in \ the \ month \ immediately \ before \ A's \ trip. \ Exactly \ two \ people \ travelled \ after \ C's \ trip. \ E \ travelled \ in \ the \ month$ immediately before B, who travelled in the month of October. Who travelled in the month of July?

Ans X 1. D

X 2. C

X 3. A

√ 4. F

Question ID: 75189710762

Option 1 ID: 75189743047 Option 2 ID: 75189743048

Option 3 ID: 75189743045

Option 4 ID: 75189743046 Status : Answered

Chosen Option: 4

Q.5 Washing soda is:

Ans X 1. an acidic salt

X 2. a neutral salt

√ 3. a basic salt

X 4. a base

Question ID: 7518979659

Option 1 ID: 75189738633

Option 2 ID: 75189738635

Option 3 ID: 75189738634

Option 4 ID: 75189738636

Status: Answered Chosen Option: 3



$$\frac{\cos 45^{\circ}}{\sec 30^{\circ} + \csc 30^{\circ}} \text{ is equal to:}$$

Ans

$$\checkmark$$
 1. $\frac{\sqrt{3}}{2\sqrt{2}(1+\sqrt{3})}$

$$\times$$
 2.
$$\frac{\sqrt{2}}{2\sqrt{2}(1+\sqrt{3})}$$

$$\times$$
 3. $\frac{\sqrt{3}}{\sqrt{2}(1+\sqrt{3})}$

$$\times 4. \frac{\sqrt{3}}{2\sqrt{3}(1+\sqrt{2})}$$

Question ID : 75189710046

Option 1 ID : **75189740184**

Option 2 ID: 75189740182

Option 3 ID: 75189740183

Option 4 ID : **75189740181**Status : **Answered**

Chosen Option: 1

Q.7 A Large Area Soft X-ray Spectrometer (CLASS), a payload on-board Orbiter, detected a solar proton event which significantly increases the radiation exposure to humans in space, on January 2022.

Ans

√ 1. Chandrayaan-2

X 2. Chandrayaan-4 a

X 3. Chandrayaan-3

X 4. Chandrayaan-1

Question ID: 75189710407

Option 1 ID: 75189741626

Option 2 ID: 75189741628

Option 3 ID: 75189741627

Option 4 ID: 75189741625

Status : Answered

- The value of $(6-3) \div [(9-6) \div \{(6-4) \div (2+\frac{8}{13})\}]$ is:
- \times 1. $\frac{5}{17}$
- **✓** 3. $\frac{13}{17}$
- \times 4. $\frac{26}{17}$

- Question ID: 75189710616
- Option 1 ID: 75189742461
- Option 2 ID: 75189742462
- Option 3 ID: 75189742463
- Option 4 ID: 75189742464
 - Status: Answered
- Chosen Option: 3
- Q.9 If a square has a side of (5x-8) cm, then the area of the square $(in cm^2)$ is:
- Ans \times 1. $25x^2 + 80x 64$
 - \times 2. $25x^2 + 80x + 64$
 - \checkmark 3. $25x^2$ 80x + 64
 - **×** 4. 25x² 80x 64

- Question ID: 7518978727
- Option 1 ID: 75189734907
- Option 2 ID: 75189734908 Option 3 ID: 75189734906
- Option 4 ID: 75189734905
 - Status: Answered
- Chosen Option: 3

- Q.10 Refer to the letter and symbol series, and answer the question that follows.
 - (Left) K B # A @ S * B Q @ R V N % & S (Right)
 - How many letters are there between the element that is third from the right end and the element that is sixth from the left end of the given series?
- Ans 🔀 1. 8
 - **√** 2. **5**
 - **X** 3. 7
 - X 4. 6

- Question ID: 75189711039
- Option 1 ID: 75189744154
- Option 2 ID: 75189744153
- Option 3 ID: 75189744156
- Option 4 ID: 75189744155
- Status: Answered
- Chosen Option: 3

Q.11 The roots of the quadratic equation $x^2 + x - 2 = 0$ are:

Ans \times 1. (-1, 2)

✓ 2. (1, -2)

X 3. (1, 2)

X 4. (−1, −2)

Question ID : 75189710008 Option 1 ID : 75189740030 Option 2 ID : 75189740031 Option 3 ID : 75189740029 Option 4 ID : 75189740032

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

Q.12 On which model was the Second Five-Year Plan made?

Ans X 1. Investment Model of Planning Commission

X 2. Manmohan Plan

× 3. Harrod-Domar model

✓ 4. PC Mahalanobis Model

Question ID: **7518978895**Option 1 ID: **75189735578**Option 2 ID: **75189735579**

Option 3 ID : **75189735577** Option 4 ID : **75189735580**

Status : **Answered** Chosen Option : **4**

Q.13 A sum of money was invested at a certain rate of simple interest per annum for a period of 4 years. Had the rate of simple interest per annum been 2% more, the sum invested would have earned a total of ₹640 more as interest in these 4 years. What was the sum (in ₹) invested?

Ans X 1. 9,500

× 2. 7,500

× 3. 9,000

4. 8,000

Question ID : 75189711192

Option 1 ID: 75189744768

Option 2 ID: 75189744765

Option 3 ID : **75189744767** Option 4 ID : **75189744766**

Status : Answered



Q.14 The executive power of the State shall be vested in the Governor and shall be exercised by him either directly or through officers subordinate to him in accordance with which Article of the Constitution of India?

Ans X 1. Article 124

X 2. Article 134

X 3. Article 144

✓ 4. Article 154

Question ID: 7518979445

Option 1 ID: 75189737777

Option 2 ID: 75189737778

Option 3 ID: 75189737779

Option 4 ID: 75189737780

Status : **Answered** Chosen Option : **4**

Q.15 Arrange the following element of group 1 in the decreasing order of their atomic radii. Atomic numbers are given in parentheses.

Li (3), K (19), Cs (55), Na (11), Rb (37)

Ans \times 1. $C_S > Rb > K > Li > Na$

 \times 2. Cs > Rb > Na > K > Li

 \checkmark 3. Cs > Rb > K > Na > Li

 \times 4. Cs > Rb > Li > K > Na

Question ID: 75189710393

Option 1 ID: **75189741569** Option 2 ID: **75189741572** Option 3 ID: **75189741570**

Option 4 ID : **75189741571**

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

Q.16 Two statement are given below, followed by four conclusions given in the options. Find out which conclusion is true based on the given statements.

Statement: J < P = C, T < Q < M = J < A

Ans \times 1. A > P

 \times 2. C = A

X 3. **P** > **A**

√ 4. T < A
</p>

Question ID: 7518979735

Option 1 ID: 75189738939

Option 2 ID: **75189738937**

Option 3 ID: **75189738940**

Option 4 ID: 75189738938

Status : **Answered** Chosen Option : **4**

Q.17 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements. Statements: Some cats are rats. All rats are dogs. All dogs are monkeys. Conclusions: (I) Some monkeys are cats. (II) All monkeys are rats. Ans X 1. Neither conclusion I nor II follows ✓ 2. Only conclusion I follows ★ 3. Both conclusions I and II follow ★ 4. Only conclusion II follows Question ID: 75189711000 Option 1 ID: 75189743999 Option 2 ID: 75189743997 Option 3 ID: 75189744000 Option 4 ID: 75189743998 Status: Answered Chosen Option: 2 Q.18 Six people, A, B, C, D, E and F, travelled in different years 2010, 2012, 2014, 2016, 2018 and 2020 (but not necessarily in the same order). C travelled in 2018. Only three people travelled between D and A. A travelled after D. Only one person travelled between F and E. F travelled before E. Who travelled in 2014? Ans 🗶 1. D X 2. B **X** 3. **F** √ 4. E Question ID: 75189710984 Option 1 ID: 75189743936 Option 2 ID: 75189743933 Option 3 ID: 75189743934 Option 4 ID: 75189743935



Status: Answered

Q.19 Three statements are given, followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

- 1. All shampoos are brushes.
- 2. Some brushes are conditioners.
- 3. No conditioner is towel.

Conclusions:

- I. Some towels are conditioners.
- II. No shampoo is a towel.
- III. Some brushes are shampoos.

Ans

- 1. Only conclusions III follows
- ★ 2. Only conclusions II and III follow
- ✗ 3. Only conclusions I and II follow
- ★ 4. Only conclusion I follows

Question ID: 75189710778 Option 1 ID: 75189743112

Option 2 ID: 75189743110

Option 3 ID: 75189743109

Option 4 ID: 75189743111

Status: Answered

Chosen Option: 2

- Q.20 Which of the following is always true?
 - a) The bisectors of angles of a parallelogram form a rectangle.
 - b) A parallelogram is a trapezium.
 - c) Diagonals of a rhombus are equal and bisect each other at right angles.

- Ans X 1. Only (a)
 - × 2. Only (b)

 - × 4. All of (a), (b), (c)

Question ID: 75189711219

Option 1 ID: 75189744873

Option 2 ID: 75189744874

Option 3 ID: 75189744875

Option 4 ID: 75189744876

Status: Answered



Q.21 The distance between two points on a map is 5 cm. The scale of the map is 1 : 400000. The actual distance between the two points (in km) is: Ans X 1. 20000 **√** 2. **20** X 3. 200 X 4. 2000 Question ID: 7518979934 Option 1 ID: 75189739736 Option 2 ID: 75189739733 Option 3 ID: 75189739734 Option 4 ID: 75189739735 Status: Answered Chosen Option : 1 Q.22 As per Census 2011, which language replaced Telugu as the third most spoken language in India? Ans 🔀 1. Gujarati ✓ 2. Marathi X 3. Bengali X 4. Tamil Question ID: 75189710443 Option 1 ID: 75189741772 Option 2 ID: 75189741770 Option 3 ID: 75189741769 Option 4 ID: 75189741771 Status: Not Answered Chosen Option: --Q.23 The sum of the squares of two consecutive odd natural numbers is 74. The sum of the numbers is: Ans X 1. 24 **√** 2. 12 ×3. 28 X 4. 18 Question ID: 7518978746 Option 1 ID: 75189734982 Option 2 ID: 75189734984 Option 3 ID: 75189734983 Option 4 ID: 75189734981 Status : Answered Chosen Option : 2



Q.24 Goa Liberation Day is celebrated on which of the following dates?

Ans 19 December

X 2. 22 December

X 3. 21 December

X 4. 20 December

Question ID: 75189710545 Option 1 ID: 75189742177 Option 2 ID: 75189742180 Option 3 ID: 75189742179 Option 4 ID: 75189742178 Status: Not Answered

Chosen Option : --

Q.25 What happens when CO₂ gas is passed through the lime water?

★ 1. There is no change.

Z. Green colour appears.

× 4. A black precipitate is formed.

Question ID: 7518979624 Option 1 ID: 75189738493 Option 2 ID: 75189738496 Option 3 ID: 75189738494 Option 4 ID: 75189738495

Status : Answered Chosen Option: 3

Q.26 Vincov-19, the first indigenous drug to treat Covid-19, has been developed by synthesizing blood serum obtained from _____ immunised with spike glycoprotein of inactivated SARS-CoV-2 virus.

Ans X 1. pigs

× 2. rabbits

✗ 3. monkeys

√ 4. horses

Question ID: 7518978499 Option 1 ID: 75189733995

Option 2 ID: 75189733993 Option 3 ID: 75189733996 Option 4 ID: 75189733994

Status: Answered Chosen Option: 3

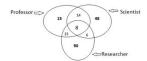


Q.27 Which of the following compounds of a homologous series has the lowest boiling point? Ans \times 1. $C_4H_{10}O$ × 2. C₃H₈O **×** 3. C₂H₆O Question ID: 75189710325 Option 1 ID: 75189741297 Option 2 ID: 75189741298 Option 3 ID: 75189741299 Option 4 ID: 75189741300 Status : Answered Chosen Option: 4 Q.28 In a code language, 'now you can come' is written as 'wp ae nz rf', 'you are kind' is written as 'ae dz tq', 'kind is virtue' is written as 'tq sf bc'. What is the code for 'kind, you' in that code language? Ans X 1. nz, ae × 2. nz, tq **X** 3. tq, dz Question ID: 75189710874 Option 1 ID: 75189743494 Option 2 ID: 75189743493 Option 3 ID: 75189743495 Option 4 ID: 75189743496 Status: Answered Chosen Option: 4 **Q.29** A person who spends $36\frac{2}{3}\%$ of his monthly income is able to save ₹5,700 per month. His monthly expenses are: Ans × 1. ₹5,300 ×2. ₹4,300 √ 3. ₹3,300 ×4. ₹6,300 Question ID: 7518978662 Option 1 ID: 75189734646 Option 2 ID: 75189734647 Option 3 ID: 75189734648



Option 4 ID : **75189734645** Status : **Answered**

 $\textbf{Q.30} \quad \text{Study the given diagram carefully and answer the question. The numbers in different sections indicate the number of the property of the property$ persons.



How many people are Researchers and Scientists but Not Professors?

Ans X 1. 23

X 2. 15

X 3. 14

√ 4. 6

Question ID: 75189710787

Option 1 ID: 75189743147 Option 2 ID: 75189743145

Option 3 ID: 75189743146 Option 4 ID: 75189743148

Status: Answered

Chosen Option: 4

Q.31 Three resistors of 5 Ω are connected in series, and a battery of 10 V is connected to the two end of the series combination of resistors. Calculate the current drawn from the battery,

Ans X 1. 0.57 A

X 2. 0.77 A

X 3. 0.87 A

√ 4. 0.67 A

Question ID: 75189711333

Option 1 ID: 75189745329

Option 2 ID: 75189745331

Option 3 ID: 75189745332

Option 4 ID: 75189745330 Status: Answered

Chosen Option: 4

Q.32 On 27 July 2022, the Union Cabinet cleared a ₹1.64 lakh crore package for the revival of which of the following

Ans

✓ 1. Bharat Sanchar Nigam Limited (BSNL)

X 2. Air India

✗ 3. Container Corporation of India Limited (CONCOR)

Y 4. Oil and Natural Gas Corporation Limited

Question ID: 75189711103

Option 1 ID: 75189744412

Option 2 ID: 75189744409

Option 3 ID: 75189744411

Option 4 ID: 75189744410

Status: Not Answered



Q.33 Select the option that is related to the seventh number in the same way as the second number is related to the first number, the fourth number is related to the third number and the sixth number is related to the fifth number.

3:8::7:16::4:10::8:?

Ans X 1. 22

X 2. 16

X 3. 12

√ 4. 18

Question ID : 75189711069
Option 1 ID : 75189744276
Option 2 ID : 75189744273
Option 3 ID : 75189744274
Option 4 ID : 75189744275
Status : Answered

Chosen Option: 4

Q.34 Jayant started from a point 'A' and walked 15 meters towards South. He turned left and walked 20 meters. He then turned right and walked 15 meters. He again turned right and walked 20 meters and reached a point 'B'. How far and in which direction is the point 'B' from the point 'A'?

Ans X 1. 15 meters West

√ 2. 30 meters South

X 3. 30 meters North

X 4. 15 meters East

Question ID: 75189710889

Option 1 ID: 75189743554

Option 2 ID: 75189743556

Option 3 ID : **75189743555**

Option 4 ID : **75189743553** Status : **Answered**

Chosen Option: 2

Q.35 A reflected ray will follow the same path but in reverse direction when it passes through pole and

Ans X 1. surface of mirror

× 2. is parallel to the focal plane

X 3. focal plane

Question ID: 7518979476

Option 1 ID: 75189737902

Option 2 ID: 75189737903

Option 3 ID : **75189737901**

Option 4 ID : **75189737904**Status : **Answered**



Q.36 Chitra starts driving from the resort and drives 15 km towards west and then turns left and drives 115km. Then she turns right and drives 25 km. After that, she again turns right and drives 90 km. She finally turns right and drives 40 km to reach her home. How far is resort from her home?

Ans 🗳 1. 25 km

× 2. 50 km

X 3. 30 km

X 4. 35 km

Question ID: 75189710897 Option 1 ID: 75189743585

Option 2 ID: 75189743588 Option 3 ID: 75189743586

Option 4 ID: 75189743587 Status : Answered

Chosen Option: 1

Q.37 A statement is given below, followed by four conclusions given in the options. Find out which conclusion is true based on the given statement.

Statement: $C \ge V \le B \ge N \ge Z \ge L$

Ans χ 1. $C \ge V \le L$

√ 2. B > Z > L

 \times 3. $C > B \ge N$

 \times 4. B > L > V

Question ID: 7518978219

Option 1 ID: 75189732876

Option 2 ID: 75189732874

Option 3 ID: 75189732875 Option 4 ID: 75189732873

Status : Answered

Chosen Option: 2

Q.38 If 14:y::7:8, find the value of y.

Ans 🗳 1. 16

X 2. 18

× 3. 28

X 4. 56

Question ID: 75189710647

Option 1 ID: 75189742586

Option 2 ID: 75189742588

Option 3 ID: 75189742587

Option 4 ID: 75189742585

Status: Answered



Q.39 J, K, L, M and N live on 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 is numbered 5. K and N live on the topmost and bottommost floors, respectively. J lives on the floor immediately above L. M lives on the floor immediately above N. Who lives on the second floor?

Ans 🔀 1. J

X 2. K

X 4. L

Question ID : 75189710755 Option 1 ID : 75189743018 Option 2 ID : 75189743017 Option 3 ID : 75189743019 Option 4 ID : 75189743020 Status : Answered

Chosen Option: 3

Q.40 The direction of the force acting on a current carrying conductor in the presence of a magnetic field depends on:

Ans X 1.

neither the direction of the current nor the direction of the magnetic field

X 2. the direction of the current alone

× 3. the direction of the magnetic field alone

Question ID : 75189711182

Option 1 ID: 75189744728 Option 2 ID: 75189744725 Option 3 ID: 75189744726

Option 4 ID : 75189744727 Status : Answered

Chosen Option: 4

Q.41 If the radius of a sphere is halved, then the new volume will become ______ the original volume.

Ans

 \times 1. $\frac{1}{4}$ times

×2. 8 times

× 3. 4 times

√ 4.

1/8 times

Question ID: 7518979323

Option 1 ID: 75189737289

Option 2 ID : **75189737290**

Option 3 ID: 75189737291

Option 4 ID: 75189737292

Status : **Answered** Chosen Option : **4**

Q.42 Who among the following clocked 2:40:16 to pocket the men's 35 km race walk national record at the Indian Open Race Walking Competition 2022?

Ans X 1. Ram Baboo

× 2. Chandan Singh

√ 3. Juned Khan

X 4. Akshdeep Singh

Question ID: 7518976509
Option 1 ID: 75189726033
Option 2 ID: 75189726035
Option 3 ID: 75189726034
Option 4 ID: 75189726036
Status: Not Answered

Chosen Option : --

Q.43 Each of the digits in the number 4275913 is arranged in ascending order from left to right. The position of how many digits will remain unchanged as compared to that in the original number?

Ans 🗸 1. One

×2. Four

X 3. Three

X 4. Two

Question ID : **75189710945** Option 1 ID : **75189743777**

Option 2 ID: 75189743780 Option 3 ID: 75189743779 Option 4 ID: 75189743778

Status : **Answered** Chosen Option : **1**

Q.44 When a round, green seeded plant is crossed with a wrinkled, yellow seeded pea plant the F1 generation results in:

Ans X 1. wrinkled and yellow seeds

× 2. wrinkled and green seeds

★ 3. round and yellow seeds

Question ID : 75189710241

Option 1 ID: 75189740963

Option 2 ID: 75189740964

Option 3 ID : **75189740961**

Option 4 ID: 75189740962

Status : Answered



Q.45 Consider two circuits, A and B, each of which has 12 resistors each of resistance R_A and R_B, respectively. In each circuit the resistors are in such a way that the net resistance of each circuit is the minimum. Now a 30 V battery with negligible internal resistance is connected across each circuit separately, and the current drawn by circuit A and circuit B are 10 A and 18 A, respectively. Then R_A and R_B will be:

Ans \times 1. $R_A = 26 \Omega$ and $R_B = 25 \Omega$

 \times 2. $R_A = 36 \Omega$ and $R_B = 15 \Omega$

 \times 3. $R_A = 26 \Omega$ and $R_B = 20 \Omega$

 \checkmark 4. $R_A=36\,\Omega$ and $R_B=20\,\Omega$

Question ID : 75189711339 Option 1 ID : 75189745354 Option 2 ID : 75189745355 Option 3 ID : 75189745353 Option 4 ID : 75189745356

Status : Answered Chosen Option : 4

Q.46 Which of the following compounds was used for the preparation of urea by Friedrich Wohler?

Ans

Ammonium cyanate

X2. Carbon monoxide

X 3. Methane nitrile

X 4. Ammonia

Question ID: 75189710310 Option 1 ID: 75189741240 Option 2 ID: 75189741237 Option 3 ID: 75189741238 Option 4 ID: 75189741239

Status : **Answered** Chosen Option : **1**

Q.47 Which of the following is the standard representation of quadratic equation

$$(x^2 + 1)(x - 1) = (x^2 - 3)(x + 3)$$
?

Ans $\times 1. \ x^2 - 3x - 4 = 0$

 \times 2. $4x^2 - x - 6 = 0$

 \times 3. $4x^2 - 8 = 0$

 $4.4x^2 - 4x - 8 = 0$

Question ID : 7518979302

Option 1 ID : **75189737207** Option 2 ID : **75189737205**

Option 3 ID : **75189737206** Option 4 ID : **75189737208**

Status : **Answered** Chosen Option : **4**

Q.48 The sum of the digits of a two-digit number is 15. The number obtained by interchanging the digits exceeds the given number by 9. The number is:

Ans

X 1. 57

X 2. 27

√ 3. **78**

X 4. 98

Question ID : 7518979290
Option 1 ID : 75189737158
Option 2 ID : 75189737160
Option 3 ID : 75189737157
Option 4 ID : 75189737159
Status : Answered

Chosen Option: 3

Q.49 As per Mendel's experiments with pea plants, tallness was called a 'dominant' trait compared to shortness because

Ans

1.

a plant was tall regardless of whether it had one gene (allele) or two genes (alleles) for tallness

X 2

in all organisms, including peas, tall individuals are more common than short individuals

X3

the symbol for the gene for tallness was 'T', while the symbol for the gene for shortness was 't'

* 4. tall plants are larger in size than short plants



Question ID : 75189710118 Option 1 ID : 75189740471 Option 2 ID : 75189740470 Option 3 ID : 75189740472 Option 4 ID : 75189740469 Status : Answered

Chosen Option: 1

 ${\tt Q.50} \quad \hbox{Which state in India will you find the The Cathedral of Mary Help of Christians ?}$

Ans

× 1. Bihar

× 2. Karnataka

★ 4. West Bengal

Question ID : 7518979393 Option 1 ID : 75189737571 Option 2 ID : 75189737570 Option 3 ID : 75189737569 Option 4 ID : 75189737572

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



Q.51 Which of the following solutions may scatter light?

Ans X 1. Acidic solution

X 2. Basic solution

X 3. Electrolyte solution

4. Colloidal solution

Question ID: 75189711305
Option 1 ID: 75189745218
Option 2 ID: 75189745220
Option 3 ID: 75189745217
Option 4 ID: 75189745219

Q.52 ______ is the price where the quantity the consumer purchases is equal to the quantity the producers supply.

Ans X 1. Product price

X 2. Total price

★ 4. Surplus price

Question ID : 7518978873
Option 1 ID : 75189735492
Option 2 ID : 75189735491
Option 3 ID : 75189735490
Option 4 ID : 75189735489
Status : Answered
Chosen Option : 1

Status: Answered

Chosen Option: 4

Q.53 How many pairs of sex chromosomes are present in humans?

Ans X 1. 2 pairs

√ 2. 1 pair

★ 3. 3 pairs

★ 4. 4 pairs

Question ID: 7518977848
Option 1 ID: 75189731389
Option 2 ID: 75189731391
Option 3 ID: 75189731392
Option 4 ID: 75189731390
Status: Answered

 $^{\mbox{\scriptsize Q.54}}$ The highest common factor of a set of coprime numbers is equal to:

Ans X 1. the highest among them

✓ 2. 1X 3. 2

★ 4. the lowest among them

Question ID: 7518979913
Option 1 ID: 75189739652
Option 2 ID: 75189739649
Option 3 ID: 75189739650
Option 4 ID: 75189739651
Status: Answered

Chosen Option : 1

Q.55 A circuit consists of three resistors, R1, R2 and R3, and they have the values 5Ω , 10Ω and 30Ω , respectively, which have been connected to a battery of 10 V (with negligible internal resistance). Each of the resistors is in parallel with each other. The total resistance of the circuit is:

Ans \times 1. 5 Ω

√ 2. 3 Ω

Χ 3. 6 Ω

Χ 4. 1 **Ω**

Question ID : **75189711335** Option 1 ID : **75189745339**

Option 2 ID: **75189745338**Option 3 ID: **75189745340**Option 4 ID: **75189745337**

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

 $^{ extsf{Q.56}}$ Which of the following is an insectivorous plant?

Ans X 1. Lichens

✓ 2. Pitcher

X 3. Cuscuta

× 4. Mushroom

Question ID: 75189710152

Option 1 ID: 75189740608

Option 2 ID: **75189740607**

Option 3 ID : **75189740605**

Option 4 ID : **75189740606**

Status : Answered

Chosen Option : $\boldsymbol{3}$



 ${f Q.57}$ If the area of a triangle whose base measures 3 cm is 4 cm², then its corresponding height is:

- \times 1. $4\frac{1}{3}$ cm
- × 2. $3\frac{2}{3}$ cm

 ✓ 3. $2\frac{2}{3}$ cm
- \times 4. $1\frac{2}{3}$ cm

Question ID: 7518979319

Option 1 ID: 75189737276 Option 2 ID: 75189737275

Option 3 ID: 75189737273

Option 4 ID: 75189737274 Status : Answered

Chosen Option: 3

Q.58 Which of the following chemical compounds is used in the manufacture of cement?

Ans

- **×** 1. Al₂O₃
- × 2. Mg(OH)₂
- **X** 3. CuO
- √ 4. CaO

Question ID: 75189710338

Option 1 ID: 75189741349

Option 2 ID: 75189741350

Option 3 ID: 75189741352

Option 4 ID: 75189741351 Status: Answered

Chosen Option: 4

Q.59 The phenomena that links current induced in a coil and change in magnetic flux is known as:

- Ans X 1. electromagnetic wave
 - X 2. electromagnetic wave propagation
 - ★ 3. electromagnetic radiation

Question ID: 75189711370

Option 1 ID: 75189745478

Option 2 ID: 75189745480

Option 3 ID: 75189745477

Option 4 ID: 75189745479

Status: Answered

Q.60 Which of the following numbers will replace the question mark (?) in the given series?

42, 52, 63, 75, 88, ?,117

Ans X 1. 101

× 2. 100

√ 3. 102

X 4. 103

Question ID: 75189710912 Option 1 ID: 75189743645 Option 2 ID: 75189743648 Option 3 ID: 75189743646 Option 4 ID: 75189743647

Status : Answered

Chosen Option: 3

Q.61 Letters are coded as numbers/symbols as per the table given below and the conditions which follow. Refer to the codes and conditions and then select the correct code for SQUARE.

Letters	Т	Р	J	Q	S	U	Ε	R	Н	Α
Number/Symbol	-	6	8	%	7	@	3	9	#	1

Conditions:

(i) If there is more than 1 vowel in the word, the vowels will be coded as 4.

(ii) If a word has consonants at both ends, both the consonants will be coded as 2.

Ans 🗳 1. 7%4494

× 2. 7%4493

× 3. 7%@193

× 4. 7%9493

Question ID: 7518979763

Option 1 ID: 75189739049

Option 2 ID: 75189739051

Option 3 ID: 75189739050

Option 4 ID: 75189739052 Status: Answered

Chosen Option: 1

Q.62 The Prarthana Samaj, which was recognised as an institution that worked for religious as well as social reform, was established in Bombay by _____ in 1876.

Ans X 1. Mahadev Govind Ranade

✓ 2. Dr. Atma Ram Pandurang

✗ 3. Ishwar Chandra Vidyasagar

X 4. RC Bhandarkar

Question ID: 75189710425

Option 1 ID : 75189741697

Option 2 ID: 75189741699

Option 3 ID: 75189741700 Option 4 ID: 75189741698

Status: Answered



Q.63 Through which of the following states of India does the Tropic of Cancer NOT pass?

Ans

✓ 1. Odisha

×2. Tripura

× 3. Rajasthan

X 4. Madhya Pradesh

Question ID: 7518977525 Option 1 ID: 75189730098 Option 2 ID: 75189730100 Option 3 ID: 75189730097 Option 4 ID: 75189730099

Status: Answered Chosen Option : 1

Q.64 Which of the following options is the closest approximate value which will come in place of question mark(?) in the

 $27.92 \times 4 + 3.96 \times 5 - 18 \div 2 + 1 = ?$

Ans 🗙 1. 115

X 2. 100

√ 3. 124

× 4. 140

Question ID: 7518977745

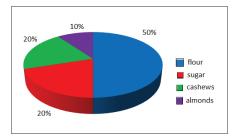
Option 1 ID: 75189730978

Option 2 ID: 75189730977

Option 3 ID: 75189730979 Option 4 ID: 75189730980

Status: Answered

Q.65 The percentage of all of the ingredients in a recipe is shown in the following pie-chart. Blue represents the flour, red represents the sugar, green represents cashews, and purple represents almonds. Study the pie-chart and answer the



If the final mixture of all these ingredients weighs twice of 3,50,000 g, then what is the difference between the weight of

Ans

- √ 1. 2,80,000 g
- × 2. 1,40,000 g
- **×** 3. 2,93,000 g
- **×** 4. 1,55,500 g

Question ID: 75189711255

Option 1 ID: 75189745019

Option 2 ID: 75189745017

Option 3 ID: 75189745020 Option 4 ID: 75189745018

Status: Answered

Chosen Option: 2

Q.66 Which of the following numbers will replace the question mark (?) in the given series?

26, 61, 120, 209, ?, 501

- Ans X 1. 298
 - × 2. 434
 - √ 3. 334
 - × 4. 368

Question ID: 75189710916

Option 1 ID: 75189743662

Option 2 ID: 75189743664

Option 3 ID: 75189743661

Option 4 ID: 75189743663

Status : Answered

Q.67 Select the option that is related to the fifth number in the same way as the second number is related to the first number, the fourth number is related to the third number.

9:728::4:63::7:?

Ans X 1. 346

2. 342

X 3. 315

× 4. 341

Question ID: 75189711231

Option 1 ID : **75189744923** Option 2 ID : **75189744921** Option 3 ID : **75189744924**

Option 4 ID : **75189744922**Status : **Answered**

Chosen Option: 2

Q.68 If a man was to sell an article for ₹ 840, he would lose 20%. To gain 25% he should sell it for____.

Ans × 1. ₹1,300.50

×2. ₹1,200.50

√ 3. ₹1,312.50

× 4. ₹1,212.50

Question ID: 7518979249

Option 1 ID: **75189736995** Option 2 ID: **75189736993** Option 3 ID: **75189736996**

Option 4 ID : **75189736994**Status : **Answered**

Chosen Option: 3

Q.69

If
$$\left(\frac{25}{9}\right)^{x+1} \left(\frac{81}{625}\right)^{x-1} = \frac{9}{25}$$
, then find the value of x .

Ans × 1. 8

2. **4**

X 3. 5

X 4. 6

Question ID: 75189711186

Option 1 ID: 75189744744

Option 2 ID: 75189744742

Option 3 ID: 75189744741

Option 4 ID : **75189744743**Status : **Answered**

Q.70 Most ordinary gases do not show dispersion with visible light. This is because the velocities of propagation of waves of different wavelengths of visible light are (Velocity of light in vacuum is c) Ans X1. always much greater than c √ 2. almost the same as c X 3. very much different ★ 4 always much less than c Question ID: 75189711303 Option 1 ID: 75189745211 Option 2 ID: 75189745210 Option 3 ID: 75189745209 Option 4 ID: 75189745212 Status: Answered Chosen Option: 2 Q.71 Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster. ALMOST: MLATSO:: BEGINS: GEBSNI:: CHIMPS:? Ans 🗸 1. IHCSPM X 2. IHCSMP X 3. IHCPMS X 4. IHCPSM Question ID: 7518978029 Option 1 ID: 75189732115 Option 2 ID: 75189732114 Option 3 ID: 75189732113 Option 4 ID: 75189732116 Status : Answered Chosen Option : 1 Q.72 The oldest mountain range in India is __ Ans X 1. Zanskar Range × 2. Dhauladhar Range X 3. Nallamala Range Question ID: 7518977536 Option 1 ID: 75189730144 Option 2 ID: 75189730141 Option 3 ID: 75189730143 Option 4 ID: 75189730142 Status: Answered Chosen Option : 4



Q.73 If the position of the first and second letters in the word MOTHERLAND were interchanged, also the third and the fourth letters were interchanged, the fifth and sixth letters were interchanged and so on, which of the following would be the sixth letter from the right?

Ans

√ 1. R

X 2. E

X 3. **H**

X 4. **T**

Question ID: 75189710838 Option 1 ID: 75189743349 Option 2 ID: 75189743351 Option 3 ID: 75189743352 Option 4 ID: 75189743350 Status: Answered

Chosen Option: 1

Q.74 What is explicit cost?

Ans X 1.

It is the only cost necessary to calculate a profit, as it clearly affects a company's profits.

It is a direct payment made to others in the course of running a business, such as wage, rent and materials.

It represents the loss of profit but does not represent a loss of income.

X 4.

It is the opportunity cost equal to what a firm must give up in order to use a factor of production.

Question ID: 7518978891 Option 1 ID: 75189735564 Option 2 ID: 75189735561 Option 3 ID: 75189735563 Option 4 ID: 75189735562

Status: Answered Chosen Option: 2

of the Constitution of India deals with Panchayats.

Ans X 1. Part VIII

× 2. Part XI

√ 3. Part IX

X 4. Part X

Question ID: 7518978604 Option 1 ID: 75189734415 Option 2 ID: 75189734416 Option 3 ID: 75189734413

Option 4 ID: 75189734414 Status: Answered



Q.76 Which programme was launched by the Union Government as a flagship programme to fulfil the main objectives of effective abatement of pollution, conservation and rejuvenation of River Ganga?

Ans ★ 1. Clean the Ganga Programme

× 2. Water for All

X 3. Ganga Action Plan

4. Namami Gange Programme

Question ID: 7518974683 Option 1 ID: 75189718731 Option 2 ID: 75189718732 Option 3 ID: 75189718729 Option 4 ID: 75189718730

Status : Answered Chosen Option: 4

Q.77 The Godavari river rises from

about 80 km from the Arabian Sea at an elevation of 1,067 m.

Ans X 1. Mahabaleshwar

✓ 2. Trimbakeshwar

X 3. Satpura Range

X 4. Talakaveri

Question ID: 7518978914

Option 1 ID: 75189735653

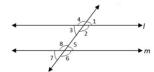
Option 2 ID : **75189735655**

Option 3 ID: 75189735656 Option 4 ID: 75189735654

Status: Answered

Chosen Option: 2

Q.78 In the given figure, if $l \parallel m$, then which of the following relations is not necessarily true?



Ans
$$\times$$
 1. $\angle 1 = \angle 7$

$$\times$$
 3. $\angle 8 = \angle 6$

Question ID: 7518979105

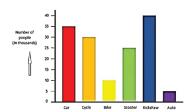
Option 1 ID: 75189736418

Option 2 ID: 75189736417

Option 3 ID: **75189736419**

Option 4 ID: 75189736420 Status : Answered

Q.79 The number of people having six different types of vehicles in a city are shown in the following graph. Study the graph and answer the question.



What is the percentage increase in the people having a car as compared to the people having a scooter?

- Ans X 1. 25%
 - × 2. 35%
 - X 3. 10%
 - 4. 40%

Question ID: 75189711248

Option 1 ID: 75189744991

Option 2 ID: 75189744990

Option 3 ID: 75189744989

Option 4 ID: 75189744992 Status : Answered

Chosen Option: 4

Q.80 Which of the following tissues helps in tissue repair?

- Ans X 1. Tendon
 - X 2. Ligament
 - ✓ 3. Areolar
 - X 4. Cartilage

Question ID: 7518977816

Option 1 ID: 75189731264

Option 2 ID: 75189731263

Option 3 ID: 75189731261

Option 4 ID: 75189731262

Status: Not Answered

Chosen Option: --

Q.81 Refer to the following letter, number, symbol series and answer the question.

(Left) S \$ 3 & 3 P & 3 D J * M 2 F A \$ Y ! 1 Z (Right)

How many such symbols are there which are immediately preceded by a letter and also immediately followed by a

Ans 🗙 1. 1

- X 2. 2
- **X** 3. **0**
- **√** 4. **3**

Question ID: 7518979165 Option 1 ID: 75189736658

Option 2 ID: 75189736659 Option 3 ID: 75189736657

Option 4 ID: 75189736660



Q.82 Six persons A, B, C, D, E and F are sitting in straight row facing west. D is sitting at the end of the row. B is sitting third to the left of D. A is sitting to the immediate right of B. A is an immediate neighbour of B and C. E is sitting at the first position in the row. F is sitting between A and E. Who is an immediate neighbour of A and F?

Ans X 1. D

√ 2. **B**

X 3. **E**

X 4. C

Question ID: 75189711226
Option 1 ID: 75189744902
Option 2 ID: 75189744901
Option 3 ID: 75189744903
Option 4 ID: 75189744904
Status: Answered

Chosen Option : 4

 $^{ extsf{Q.83}}$ The process of fermentation takes place in:

Ans X 1. Paramecium

× 2. Euglena

X 3. Amoeba

✓ 4. Yeast

Question ID : 75189710156 Option 1 ID : 75189740623 Option 2 ID : 75189740622 Option 3 ID : 75189740621 Option 4 ID : 75189740624 Status : Answered

Chosen Option: 4

Q.84 If '+' means ' ÷ ', ' – ' means ' + ', '×' means ' – ' and '+' means ' × ', then, what will be the value of the following expression?

 $[\{(48 \times 28) - (5 \div 3)\} + (3 - 4)]$

Ans 🧼 1. 5

• ...

X 2. 1

X 3. 2

X 4. 4

Question ID : 7518977755
Option 1 ID : 75189731020
Option 2 ID : 75189731017
Option 3 ID : 75189731018
Option 4 ID : 75189731019
Status : Answered

Q.85 A two-digit number z is exactly six times the sum of its digits and the difference of the number formed by reversing the digits of z from the original number z is 9. Then z is:

Ans X 1. 45

X 2. 36

X 3. 42

√ 4. 54

Question ID : 7518979288 Option 1 ID : 75189737149 Option 2 ID : 75189737150 Option 3 ID : 75189737151 Option 4 ID : 75189737152 Status : Answered

Chosen Option : 4

Q.86 are used in vermicomposting.

Ans X 1. Roundworms

× 2. Flatworms

X 3. Tapeworms

✓ 4. Earthworms

Question ID: 7518974473

Option 1 ID: **75189717892**Option 2 ID: **75189717890**Option 3 ID: **75189717889**

Option 4 ID : **75189717891**Status : **Answered**

Chosen Option: 4

Q.87 In plaster of Paris:

Ans X 1. two formula units of CaSO₄ share two molecule of water

★ 3. one formula unit of CaSO₄ has one molecule of water

★ 4. two formula units of CaSO₄ share half molecule of water

Question ID: 75189710371

Option 1 ID: 75189741483

Option 2 ID : **75189741484**

Option 3 ID : **75189741482** Option 4 ID : **75189741481**

Status : Answered



Q.88 As of July 2022, which state government among the following implemented the Kalyana Lakshmi and Shaadi Mubarak Scheme?

Ans X 1. West Bengal

X 2. Madhya Pradesh

X 4. Gujarat

Question ID : 7518976531 Option 1 ID : 75189726121 Option 2 ID : 75189726124 Option 3 ID : 75189726122 Option 4 ID : 75189726123 Status : Not Answered

Chosen Option: --

Q.89 The LCM of two numbers is 588. Which of the following CANNOT be their HCF?

Ans X 1. 49

X 2. 21

√ 3. **35**

X 4. 28

Question ID: 75189711397

Option 1 ID : **75189745588** Option 2 ID : **75189745585**

Option 3 ID: 75189745587

Option 4 ID : **75189745586** Status : **Answered**

Chosen Option : 3

Q.90 What is the value of money multiplier if the CRR (Cash Reserve Ratio) is 15%?

Ans × 1. 85

X 2. 15

X 3. 1500

√ 4. 6.67

Question ID : 7518977230

Option 1 ID: 75189728919

Option 2 ID : **75189728918**

Option 3 ID: 75189728920

Option 4 ID: 75189728917

Status : Answered



Q.91 If two pipes A and B function simultaneously, an empty tank will be filled in 20 hours. If pipe A, working alone, fills this empty tank 9 hours faster than pipe B can fill it working alone, then how many hours does it take pipe B to fill this empty tank while working alone?

Ans X 1. 42 hours

√ 2. 45 hours

X 3. 36 hours

X 4. 39 hours

Question ID : 75189711201 Option 1 ID : 75189744803 Option 2 ID : 75189744802 Option 3 ID : 75189744801 Option 4 ID : 75189744804 Status : Answered

Chosen Option : 2

Q.92 Read the statement and the arguments carefully and select the appropriate answer from the given options.

Statement:

Limited and cautious use of plastic material can be a good strategy for its total ban movement

Arguments:

- I. An instant ban on plastic is very far from reality as people are not ready to use alternatives.
- II. Paper bags can be a good alternative to plastic bags.
- Ans × 1. II weakens while I strengthens the statement.
 - X 2. Both I and II weaken the statement.
 - X 3. I weakens while II strengthens the statement.
 - ✓ 4. Both I and II strengthen the statement.

Question ID : 75189711123 Option 1 ID : 75189744490 Option 2 ID : 75189744491 Option 3 ID : 75189744489 Option 4 ID : 75189744492 Status : Answered

Chosen Option : 1

Q.93 As on July 2022, how many Fundamental Duties are there in the Indian Constitution?

Ans X 1. 9

√ 2. 11

X 3. 12

X 4. 10

Question ID: 7518974288
Option 1 ID: 75189717151
Option 2 ID: 75189717149
Option 3 ID: 75189717152
Option 4 ID: 75189717150
Status: Answered



Q.94 If the mean of a distribution is 8.73 and its median is 11, then the mode of the distribution is _____(using empirical relation).

Ans X 1. 19.73

X 2. 22

× 3. 17.46

√ 4. 15.54

Question ID : 75189710684
Option 1 ID : 75189742733
Option 2 ID : 75189742734
Option 3 ID : 75189742735
Option 4 ID : 75189742736
Status : Answered

Chosen Option : 4

Q.95 Study the given table and answer the question that follows.

The marks obtained in Mathematics by 41 students of Class X are given in the table.

Number of marks	10 – 20	20 – 30	30 – 40	40 – 50	50 - 60		
Number of students	8	7	6	11	9		

What is the arithmetic mean of the marks obtained by these students? [Give your answer correct to 3 decimal places.]

Ans 🗸 1. 36.463

× 2. 38.675

× 3. 35.225

× 4. 36.745

Question ID : 75189711202 Option 1 ID : 75189744806 Option 2 ID : 75189744805 Option 3 ID : 75189744808

Option 4 ID : **75189744807** Status : **Answered**

Chosen Option: 1

Q.96 Refer to the following letter series and answer the question.

ACPDIUVKJQEVF

How many vowels are immediately preceded by consonants?

Ans X 1. 3

X 2. 4

X 3. 1

√ 4. 2

Question ID: 7518979750

Option 1 ID: 75189738998

Option 2 ID: 75189738997

Option 3 ID: 75189739000

Option 4 ID : **75189738999** Status : **Answered**



Ans

- ★ 1. Murali Sreeshankar
- ★ 2. Tejaswin Shankar
- 3. Jeremy Lalrinnunga
- X 4. Mohit Grewal

Question ID: 7518977141 Option 1 ID: 75189728562 Option 2 ID: 75189728561 Option 3 ID: 75189728563 Option 4 ID: 75189728564 Status : Answered

Chosen Option: 3

- What is the main limitation of Mendeleev's periodic table?
- Ans X 1.

Mendeleev's Periodic Table contains vertical columns called groups and horizontal rows called periods.

Mendeleev selected hydrogen and oxygen as they are very reactive and formed compounds with most elements.

No fixed position can be given to hydrogen in the Periodic Table.

Nobel gases could be placed in a new group without disturbing the existing order.



Question ID: 75189710389 Option 1 ID: 75189741555 Option 2 ID: 75189741556 Option 3 ID: 75189741554 Option 4 ID: 75189741553 Status: Answered

Chosen Option: 3

- Q.99 A shopkeeper marks the price of an article 10% more than the cost price. After allowing discount, he earns 5% profit. The discount percentage is:
- Ans 1. 4.54%
 - × 2. 5.54%
 - X 3. 3%
 - X 4. 4%

Question ID: 7518979253 Option 1 ID: 75189737009 Option 2 ID: 75189737010 Option 3 ID: 75189737011 Option 4 ID: 75189737012

Status: Answered Chosen Option: 1



 $\textbf{Q.100} \ \ \text{Five friends are sitting around a circular table in a club playing cards and facing the center. W is not an immediate}$ neighbour of either X or U. V is not an immediate neighbour of X. U is sitting to the immediate left of X. If Y is sitting between X and W, who will be sitting to immediate right of V?

Ans X 1. Y

X 2. **X**

√ 3. **U**

X 4. W

Question ID: 75189710729 Option 1 ID: 75189742916 Option 2 ID: 75189742913 Option 3 ID: 75189742915

Option 4 ID: 75189742914 Status : Answered

Chosen Option: 3

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