





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



| Roll Number |   |
|-------------|---|
| Candidate   |   |
| Name        |   |
| Test Center | Ishwar Chand Vidyasagar Institute Of Technology & |
| Name        | Management  |
| Test Date   | 12/09/2022  |
| Test Time   | 9:00 AM - 10:30 AM                                |
| Subject     | Level 1   |

<sup>\*</sup> 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: Level 1

Q.1 Which of the following statements is correct with reference to aerobic respiration?

Ans X

The release of energy in aerobic respiration is lower than that in anaerobic respiration.

**4** 2.

In mitochondria, one molecule of pyruvate breaks down to give three molecules of carbon dioxide.

**X** 3.

Only carbon dioxide is released in the process of aerobic respiration.

★ 4. Aerobic respiration takes places in the absence of oxygen.

Question ID : **7518977797** Option 1 ID : **75189731186** 

Option 2 ID: **75189731185** Option 3 ID: **75189731188** 

Option 4 ID : **75189731187**Status : **Answered** 

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Q.2 A Data-Driven Research, has been launched by the Department of Biotechnology, Ministry of Science and Technology on 24 March 2022 with the objective to eradicate which disease?

Ans X 1. Covid

✓ 2. Tuberculosis

X 3. Cancer

X 4. AIDS

Question ID: 7518979361 Option 1 ID: 75189737441 Option 2 ID: 75189737442 Option 3 ID: 75189737444 Option 4 ID: 75189737443

Status: Not Answered

Chosen Option: --

Q.3 What will be the product when CO(g) reacts with  $H_2(g)$  at 340 atm pressure?

Ans X 1. C<sub>2</sub>H<sub>5</sub>OH

√ 2. CH<sub>3</sub>OH

**X** 3. HCHO

X 4. HCOOH

Question ID: 7518979613
Option 1 ID: 75189738451
Option 2 ID: 75189738450
Option 3 ID: 75189738449
Option 4 ID: 75189738452
Status: Answered

Chosen Option: 3

Q.4 After fertilisation in plants, the ovule gets converted into:

Ans X 1. zygote

✓ 2. seed

× 3. fruit

× 4. embryo

Question ID: 7518977852
Option 1 ID: 75189731408
Option 2 ID: 75189731407
Option 3 ID: 75189731405
Option 4 ID: 75189731406

Status : Answered



Q.5 Which of the following is NOT a common route of transmission of HIV from one person to another?

Ans

**1**.

Casual contacts like handshakes or hugs with the infected people

- X 2. Blood to blood contact with the infected people
- × 3 Infected mother to foetus during pregnancy
- Value of the second of the

Question ID: 7518974631 Option 1 ID: 75189718524 Option 2 ID: 75189718523 Option 3 ID: 75189718522 Option 4 ID: 75189718521 Status: Answered

Chosen Option: 1

Q.6 A can complete  $\frac{2}{3}$  of a certain work in 12 days and B can complete  $\frac{1}{4}$  of the same work in 3 days. Working together, the number of days they will take to finish the work is:

Ans

$$\times$$
 1.  $5\frac{1}{5}$ 

× 4. 6 
$$\frac{1}{5}$$



Q.7 Each of A, B, C, D and E has an exam on a different day of a week, starting from Monday and ending on Friday of the same week.

A has the exam on Thursday. Only one person has the exam between D and E. D has the exam on the day immediately before B. Who has the exam on Friday.?

Ans

Question ID: 7518978181
Option 1 ID: 75189732723
Option 2 ID: 75189732721
Option 3 ID: 75189732724
Option 4 ID: 75189732722
Status: Answered





Q.8 Urdu was declared the second official language of which one of the following state in 2017?

Ans

★ 1. West Bengal

X 2. Chhattisgarh

X 3. Odisha

🗸 4. Telangana

Question ID: 7518979388

Option 1 ID: 75189737550

Option 2 ID: 75189737552

Option 3 ID: 75189737551

Option 4 ID: 75189737549

Status : Answered

Chosen Option: 4

Q.9 Six friends M, N, O, P, Q and R are sitting in a row facing north. Only O is seated between P and M. Only R is seated between N and Q. M is not seated at either of the ends and not an immediate neighbour of Q. P is sitting at immediate left of O. Where is N seated?

Ans

X 1. At one of the extreme ends

× 2 2nd from the extreme left end

× 4 2nd from the extreme right end

Question ID: 7518979709

Option 1 ID: **75189738835** Option 2 ID: **75189738833** Option 3 ID: **75189738834** 

Option 4 ID : **75189738836** 

Status : Answered





- Q.10 A ray of light is incident on a refracting surface AB of glass prism, kept in air, and emerges out of the other refracting surface AC. Consider the following statements:
  - (a) The angle of refraction at surface AB is less than the angle of incidence.
  - (b) The angle of refraction at the surface AC is less than the angle of incidence.

Which of the above statements is/are correct?

Ans

- × 1 Neither (a) nor (b)
- **X** 2. Both (a) and (b)
- × 4. Only (b)

Question ID: 7518976641 Option 1 ID: 75189726564 Option 2 ID: 75189726563 Option 3 ID: 75189726561 Option 4 ID: 75189726562

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

Q.11 A merchant purchased an item for ₹1,500. How much should he mark on the item to earn 20% profit after allowing 20% discount?

Ans

- √ 1. ₹2,250
- × 2. ₹1,800
- × 3. ₹1,650
- × 4. ₹2,000

Question ID : 7518978690
Option 1 ID : 75189734757
Option 2 ID : 75189734759
Option 3 ID : 75189734760
Option 4 ID : 75189734758
Status : Answered
Chosen Option : 1

Q.12 Hornbill and Moatsu Festivals are predominantly celebrated in which of the following states?

Ans

- 1. Nagaland
- 2. Uttar Pradesh
- X 3. Himachal Pradesh
- × 4. West Bengal

Question ID: 7518979382 Option 1 ID: 75189737527 Option 2 ID: 75189737525 Option 3 ID: 75189737526 Option 4 ID: 75189737528

Status: Answered



Q.13 The fourth proportional to 0.15, 0.35 and 12 is:

Ans 🗙 1. 38

× 2. 48

**√** 3. **28** 

× 4. 58

Question ID: 7518978670 Option 1 ID: 75189734679

Option 2 ID: 75189734678 Option 3 ID: 75189734680 Option 4 ID: 75189734677

Status : Answered

Chosen Option: 3

Q.14 Twice the present age of X is 9 years less than thrice the present age of Y. At present, X's father P is twice as old as X, and Y is 9 years younger than her sister Q. If P is 20 years older than Q, then the present age (in years) of Y is:

Ans 🔀 1. 23

X 2. 18

X 3. 21

**4.** 19

Question ID: 7518978447

Option 1 ID: 75189733788 Option 2 ID: 75189733785 Option 3 ID: 75189733787 Option 4 ID: 75189733786

Status : Not Attempted and Marked For Review







Q.15 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. Some flowers are petals.
- 2. Some birds are petals.
- 3. No bird is a flower.

Conclusions:

- (I) Some petals are birds.
- (II) Some flowers are birds.
- (III) Some petals are flowers.

Ans

- 1. Only conclusions I and III follow.
- 2 Only conclusion III follows.
- X 3. None of the conclusions follow.
- X 4. Only conclusion II follows.

Question ID : **7518979722** Option 1 ID : **75189738887** 

Option 2 ID : **75189738885** Option 3 ID : **75189738888** Option 4 ID : **75189738886** 

Status: Answered

Chosen Option : 1

Q.16 Each vowel in the word SURPRISING is changed to the letter following it in the English alphabetical order and each consonant is changed to the letter preceding it in the English alphabetical order. How many letters will appear twice in the group thus formed?

Ans

- ✓ 1. Three
- × 2. Five
- × 3. Four
- X 4. Two

Adda 247

Question ID: 7518978246
Option 1 ID: 75189732982
Option 2 ID: 75189732984
Option 3 ID: 75189732983
Option 4 ID: 75189732981

Status: Not Answered





Q.17 Which of the following statements for the reaction of copper oxide with HCl is correct?

Ans X 1. Cu is formed.

× 2. CuSO<sub>4</sub> is formed.

X 4 Cl<sub>2</sub> is liberated.

Question ID: 7518979629
Option 1 ID: 75189738515
Option 2 ID: 75189738514
Option 3 ID: 75189738513
Option 4 ID: 75189738516

Status : Answered

Chosen Option: 3

Q.18 Which of the following options is the closest approximate value which will come in place of question mark(?) in the following equation?

 $13.99 - 4.02 + 19.89 \times 5.99 = ?$ 

Ans X 1. 210

X 2. 30

× 3. 180

4. 130

Question ID: 7518979876
Option 1 ID: 75189739504
Option 2 ID: 75189739503
Option 3 ID: 75189739502
Option 4 ID: 75189739501
Status: Answered

Chosen Option : 4

Q.19 The first oil-field in Independent India was discovered in

Ans 🗸 1. Assam

× 2. Gujarat

X 3. Maharashtra

X 4. Rajasthan

Question ID: 7518978572
Option 1 ID: 75189734286
Option 2 ID: 75189734285
Option 3 ID: 75189734288
Option 4 ID: 75189734287

Status: Answered





Q.20

In January 2022, who became India's first UNDP youth climate champion?

Ans

- ✓ ¹ Prajakta Koli
- X 2. Medha Patkar
- X 3. Priyanka Chaudhary

Question ID: 7518973788
Option 1 ID: 75189715149
Option 2 ID: 75189715152
Option 3 ID: 75189715151
Option 4 ID: 75189715150
Status: Not Answered

Chosen Option: --

Q.21 Six persons, Prem, Amit, Ram, Shyam, Tarun and Uma travelled in different months of the same year viz. January, February, March, July, September and December. Prem travelled in September. Only one person travelled between Prem and Uma. No one travelled between Tarun and Amit. Amit travelled in a month after Tarun. More than two persons travelled between Amit and Ram. Who among them travelled in July?

Ans

- ✓ 1. Shyam
- × 2. Ram
- X 3. Uma
- × 4. Tarun

Question ID : **7518979818** 

Option 1 ID : **75189739269** Option 2 ID : **75189739271** 

Option 3 ID : **75189739270** Option 4 ID : **75189739272** 

Status: Answered





Q.22 The focal length of a spherical mirror is the distance between \_\_\_\_\_.

- Ans X1 infinity and principal focus
  - × 2. focal plane and centre of curvature

  - × 4 centre of curvature and infinity

Question ID: 7518979483 Option 1 ID: 75189737932 Option 2 ID: 75189737929 Option 3 ID: 75189737930 Option 4 ID: 75189737931 Status: Answered

Chosen Option: 3

Select the INCORRECT statement related to magnetic field lines outside a bar magnet.

Ans

- Field lines merge at south pole.
- × 2. Field lines emerge from north pole.
- ¥ 4 Field lines do not intersect each other.

Question ID: 7518979578 Option 1 ID: 75189738312 Option 2 ID: **75189738311** Option 3 ID: 75189738309 Option 4 ID: 75189738310 Status: Answered

Chosen Option: 4

Q.24 If all the letters in each of the following words are rearranged as per English alphabetical order, and the newly formed words/clusters are arranged as per the dictionary arrangement, which initial word/cluster will appear exactly in the middle?

LIKE, LIVE, LOVE, LIME, LUCK

- Ans X 1. LOVE
  - ✓ 2. LIME
  - X 3. LIVE
  - X 4. LUCK

Question ID: 7518977970 Option 1 ID: 75189731877 Option 2 ID: 75189731879 Option 3 ID: **75189731880** Option 4 ID: 75189731878 Status: Answered

Q.25 How many times does an adult human breathe per minute at rest?

Ans X 1. 70-72

× 2. 12-15

**✓** 3. 15–18

**X** 4. 72-75

Question ID : 7518974383 Option 1 ID : 75189717531 Option 2 ID : 75189717529 Option 3 ID : 75189717530 Option 4 ID : 75189717532

Status : Answered

Chosen Option: 1

Q.26 Which of the following elements has the highest atomic radius?

Ans X 1. N

X 2. Be

√ 3. Li

X 4. O

Question ID: 7518979689
Option 1 ID: 75189738755
Option 2 ID: 75189738753
Option 3 ID: 75189738756
Option 4 ID: 75189738754
Status: Answered

Chosen Option : 1

Roots of the equation  $x^2 = 24 - 10x$  are:

Ans  $\sqrt{1.2}, -12$ 

**×** 2. 3, −11

**×** 3. 3, −12

**×** 4. 2, −11

Question ID: 7518979307 Option 1 ID: 75189737226 Option 2 ID: 75189737227 Option 3 ID: 75189737225 Option 4 ID: 75189737228

Status : Answered



Q.28 In the wake of the Andhra Pradesh microfinance crisis of 2010, RBI had constituted which committee to study issues and concerns in the Microfinance Institutions sector in India?

Ans

X 1. RV Gupta Committee

✓ 2. Malegam Committee

X 3. Parthasarathi Shome Committee

X 4. Kelkar Committee

Question ID: 7518974234 Option 1 ID: 75189716935 Option 2 ID: 75189716936 Option 3 ID: 75189716934 Option 4 ID: 75189716933 Status: Not Answered

Chosen Option: --

Q.29 If (a - b) = 8 and  $(a^2 + b^2) = 160$ , then the value of ab is:

Ans X 1. 32

× 2. 40

X 3. 36

√ 4. 48

Question ID: 7518979280 Option 1 ID: 75189737120 Option 2 ID: 75189737117 Option 3 ID: 75189737119 Option 4 ID: 75189737118 Status: Answered

Chosen Option: 4

Identify the committee constituted for the promotion of small scale industries.

X 1. Raja Chelliah Committee

X 2. Hanumanth Committee

X 3. Kelkar Committee

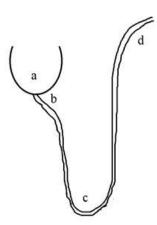
✓ 4. Karve Committee

Question ID: 7518977244 Option 1 ID: 75189728976 Option 2 ID: 75189728974 Option 3 ID: 75189728975 Option 4 ID: 75189728973

Status: Not Answered



Q.31 Which letter represents the region Bowman's capsule in the diagram below?



- ✓ 1. Region a
- X2. Region b
- X3. Region d
- × 4 Region c

Question ID: 7518974407

Option 1 ID: 75189717625 Option 2 ID: 75189717626 Option 3 ID: 75189717628

Option 4 ID: 75189717627

Status: Answered

Chosen Option: 1

Q.32 Which group of the following metals are obtained by reduction using carbon?

Na, Zn, Ca, Pb, Mg, Fe, Al, Cu, Ag

- Ans X 1. Fe, Al, Cu, Ag
  - ✓ 2. Zn, Fe, Cu
  - X 3. Ca, Pb, Mg
  - X 4 Na, Zn, Ca, Pb

Question ID: 7518973682

Option 1 ID: 75189714728

Option 2 ID: 75189714726

Option 3 ID: 75189714727

Option 4 ID: 75189714725

Status: Marked For Review





Q.33 Which of the following terms will replace the question mark (?) in the given series to make it logically complete?

RM13C, WR17H, BW21M, GB25R,?

Ans X 1. GW29L

✓ 2. LG29W

X 3. WG33L

× 4. LG33W

Question ID: 7518979140

Option 1 ID: 75189736558 Option 2 ID: 75189736560 Option 3 ID: 75189736559

Option 4 ID: 75189736557 Status: Answered

Chosen Option: 2

Q.34 is considered as the holy person who gave Jainism its present form.

Ans

1. Mahavira

X 2. Vasudev

× 3. Digambar

X 4 Rishabhanatha

Question ID: 7518974027

Option 1 ID: 75189716108 Option 2 ID: 75189716107 Option 3 ID: 75189716106 Option 4 ID: 75189716105

Status: Answered

Chosen Option: 1

Q.35 This question is based on the following 3-letter words.

(Left) CAT OWN EYE AND SAD (Right)

If in each of the given words, each alphabet is changed to the following letter in the English alphabetical series, how many words thus formed will have at least one vowel?

Ans

X 1 Two

√ 2. Four

X 3. One

× 4. Three

Question ID: 7518979005

Option 1 ID: 75189736018

Option 2 ID: 75189736020

Option 3 ID: 75189736017

Option 4 ID: 75189736019

Status: Answered



Q.36 The transport of food and other substances takes place in the sieve tubes with the help of adjacent companion cells both in upward and downward directions. Name the process.

Ans

- 1. Translocation
- × 2. Osmosis
- X 3. Diffusion
- X 4. Transpiration

Question ID : 7518974353 Option 1 ID : 75189717411 Option 2 ID : 75189717409 Option 3 ID : 75189717410

Option 4 ID : **75189717412**Status : **Answered** 

Chosen Option: 1

Q.37 Two statement are given below, followed by four conclusions given in the options. Find out which conclusion is NOT true based on the given statements.

Statement: P > M > N = O, X > Y > P

Ans

- ✓ 1. Y < N
  </p>
- X 2. N < Y
- X 3. O < X
- $\times$  4.  $\times M$

Question ID : 7518979731 Option 1 ID : 75189738924 Option 2 ID : 75189738922 Option 3 ID : 75189738923 Option 4 ID : 75189738921

Status : Answered

Chosen Option: 1

Q.38 The least 3-digit number that is completely divisible by 8 and 12 is:

Ans

- √ 1. 120
- X 2. 144
- X 3. 108
- X 4. 124

Question ID: 7518979219

Option 1 ID : **75189736875** Option 2 ID : **75189736876** 

Option 3 ID : **75189736873** 

Option 4 ID: 75189736874

Status : Answered

The value of  $(2^{25} \div 2^{15}) \times 2^4$  is:

Ans

Question ID: 7518979201 Option 1 ID: 75189736802 Option 2 ID: 75189736804 Option 3 ID: 75189736803

Option 4 ID: 75189736801 Status: Answered

Chosen Option: 1

Q.40 If equal potential difference is applied across tungsten, manganin and hard rubber wires of the same length and thickness, then:

Ans

1 equal current will flow through all wires

× 2. maximum current will pass through hard rubber

3. maximum current will pass through tungsten

× 4. maximum current will pass through manganin

Question ID: 7518979547 Option 1 ID: 75189738185 Option 2 ID: 75189738188 Option 3 ID: 75189738187

Option 4 ID: 75189738186 Status: Answered

Chosen Option: 1

Q.41 Using empirical relation between the mean, median and mode, find the value of the mode if the median is 30 and mean

Question ID: 7518978723

Option 1 ID: 75189734892 Option 2 ID: 75189734890

Option 3 ID: 75189734889 Option 4 ID: 75189734891

Status: Answered





Q.42 A class of 20 students took a science test. 8 students had an average (arithmetic mean) score of 60. The remaining students had an average score of 40. The average score of the whole class is:

Ans × 1. 68

**2.** 48

X 3. 58

× 4. 40

Question ID: 7518979273 Option 1 ID: 75189737089

Option 2 ID: 75189737090 Option 3 ID: 75189737091 Option 4 ID: 75189737092

Status: Answered

Chosen Option: 2

Q.43 National air sports policy 2022 lays out the vision of making India one of the top nations by the year:

X 1 2025

√ 2. 2030

**X** 3. 2040

X 4. 2035

Question ID: 7518976800

Option 1 ID: 75189727197 Option 2 ID: 75189727198 Option 3 ID: 75189727200

Option 4 ID: 75189727199

Status: Not Answered

Chosen Option: --

Which of the following is a china dish?

Ans















Question ID: 7518973582

Option 1 ID: 75189714328

Option 2 ID: 75189714325

Option 3 ID: 75189714327

Option 4 ID: 75189714326

Status: Answered





Q.45 If the digits of each number are written in reverse order and then the numbers are arranged in descending order, the position of how many numbers will NOT change?

7846, 6354, 8745, 4653

Ans

X 1. Three

√ 2. Two

× 3. Zero

X 4. One

Question ID : **7518978070** Option 1 ID : **75189732277** 

Option 2 ID : **75189732278** Option 3 ID : **75189732280** Option 4 ID : **75189732279** 

Status : Answered

Chosen Option: 4

Q.46 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 birds are lions.

2. No goat is a lion.

3. Some tigers are goats.

Conclusions:

(I) Some tigers are lions.

(II) No lion is a tiger.

(III) Some lions are birds.

Ans

None of the conclusions follow.

× 2. Only conclusions I and III follow.

3 Only conclusion II follows.

✓ 4. Only conclusion III follows.

Question ID: 7518979717

Option 1 ID: **75**189**73**8868 Option 2 ID: **75**189**73**886**7** 

Option 3 ID : **75189738866** 

Option 4 ID : **75189738865** Status : **Answered** 

The value of  $\left\{14 + \left(2\frac{1}{2} + \frac{4}{5} + 1\right)\right\} \times \frac{1}{100}$  is:

Ans X 1. 0.0183

√ 2. 0.183

× 3. 1.83

X 4. 18.3

Question ID: 7518979211

Option 1 ID: 75189736843 Option 2 ID: 75189736842 Option 3 ID: 75189736841 Option 4 ID: 75189736844

Status: Answered

Chosen Option: 2

Q.48 Select the triad that follows the same pattern as that followed by the two triads given below. Both triads follow the same

BG-FK-JO

NS - RW - VA

Ans X 1. SW - VA - ZE

× 2. MR - QV - UY

X 4. TY - XB - AF

Question ID: 7518977381 Option 1 ID: 75189729524

Option 2 ID: 75189729521 Option 3 ID: 75189729523

Option 4 ID: 75189729522 Status: Answered

Chosen Option: 3

Q.49 Sarvan starts from Point Y and drives 5 km towards the north. He then takes a right turn, drives 5 km, turns right and drives 7 km. He then takes a right turn and drives 15 km. Then he takes a right turn and drives 2 km. He takes a final right turn, drives 5 km and stops at Point M. How far and towards which direction should he drive in order to reach Point Y from Point M? (All turns are 90 degree turns only)

Ans X 1 5 km towards the west

× 2. 15 km towards the east

3. 10 km towards the north

Question ID: 7518979862

Option 1 ID: 75189739448 Option 2 ID: 75189739447

Option 3 ID: 75189739445 Option 4 ID: 75189739446

Status: Answered





Q.50 The sum lent at the rate of 25% per annum simple interest, that produces interest of ₹ 2.00 a day, for a year of 365 days,

Ans × 1. ₹2,820

√ 2. ₹2,920

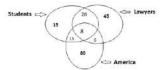
×3. ₹2,902

×4 ₹2,800

Question ID: 7518979239 Option 1 ID: 75189736953 Option 2 ID: 75189736954 Option 3 ID: 75189736956 Option 4 ID: 75189736955

Status: Answered Chosen Option: 2

Q.51 Study the given diagram carefully and answer the question. The numbers in different sections indicate the number of



How many such students are there who are also lawyers but NOT from America?

Ans × 1. 8

× 2. 45

**3.** 20

X 4. 15



Question ID: 7518979829 Option 1 ID: 75189739316 Option 2 ID: 75189739314 Option 3 ID: 75189739313 Option 4 ID: 75189739315 Status : Answered

Chosen Option: 3

Q.52 Following the Indian Constitution and respecting the national anthem and flag is the fundamental duty included in our Constitution.

Ans

✓ 1. First

× 2. Fourth

× 3. Third

X 4. Second

Question ID: 7518974095 Option 1 ID: 75189716377 Option 2 ID: 75189716380 Option 3 ID: 75189716379 Option 4 ID: 75189716378 Status: Not Answered

Q.53 Given below is a decision followed by two statements I and II. Read the information carefully and select the correct

### Decision:

The Board of Directors of a Digital Marketing Company AMX have decided to shift their headquarters from the city centre to the business towers located on the outskirts of the city.

- I. Low property rent in outskirts would help reduce the overall expenditure of the company substantially.
- II. The business towers is the hub of multiple MNCs with frequent visitors from international companies as well. This will give more visibility to AMX.

Ans X 1.

Statement I strengthens the decision but statement II is neutral.

✓ 2. Both statements I and II strengthen the decision.

Statement I weakens the decision but statement II is neutral.

X 4 Both statements I and II weaken the decision.

Question ID: 7518979078 Option 1 ID: 75189736309 Option 2 ID: 75189736312 Option 3 ID: 75189736310 Option 4 ID: 75189736311 Status: Answered

Chosen Option: 2

Q.54 A man bought mangoes at the rate of 12 for ₹900 and sold them at the rate of 9 for ₹1,200. His profit percentage in the

Ans

$$\times$$
 2. 66  $\frac{7}{9}$  %

$$\times$$
 2.  $66\frac{7}{9}\%$   
 $\times$  3.  $99\frac{8}{9}\%$ 

Question ID: 7518978685 Option 1 ID: 75189734739 Option 2 ID: 75189734740 Option 3 ID: 75189734737 Option 4 ID: 75189734738 Status: Answered





| _=       |  |   |                  |
|----------|--|---|------------------|
| <u>a</u> | <u> </u>   |   | GET IT ON Google |
| Q.55     | If south is changed to north-west, north-west is changed to east, east is changed to sou direction is north-east changed to? | th-west and so on, which  |                  |
| Ans      | ×1. West   |   |                  |
|          | ✓ 2. South   |   |                  |
|          | × 3. North   |   |                  |
|          | × 4. East  |   |                  |
|          |  |   |                  |
|          |  | Question ID : <b>7518979765</b> Option 1 ID : <b>75189739060</b>  |                  |
|          |  | Option 2 ID : <b>75189739058</b>                                  |                  |
|          |  | Option 3 ID : 75189739057   |                  |
|          |  | Option 4 ID : <b>75189739059</b> Status : <b>Answered</b>         |                  |
|          |  | Chosen Option : 2   |                  |
| Q.56     | After the changes brought about by the 73rd amendment in Panchayat   | i Raj institutions, all   |                  |
|          | states in India have a uniform tier Panchayati Raj structu.  | na .  |                  |
| Ans      | × 1. 2   |   |                  |
|          | X 2. 5   |   |                  |
|          | <b>★</b> 3. 4  |   |                  |
|          | <b>√</b> 4. 3  |   |                  |
|          |  |   |                  |
|          |  | Question ID : 7518979451  |                  |
|          |  | Option 1 ID : <b>75189737801</b> Option 2 ID : <b>75189737804</b> |                  |
|          |  | Option 3 ID : <b>75189737803</b>                                  |                  |
|          |  | Option 4 ID : <b>75189737802</b> Status : <b>Answered</b>         |                  |
|          |  | Chosen Option : 4   |                  |
| Q.57     | Mandalánda Paríadia Tablanca mobile adia   |   |                  |
|          | Mendeléev's Periodic Table was published in  |   |                  |
| Ans      | × 1. 1842  |   |                  |
|          | <b>✓</b> 2. 1872   |   |                  |
|          | × 3. 1852  |   |                  |
|          | × 4. 1862  |   |                  |
|          |  | Question ID : <b>7518979682</b>                                   |                  |
|          |  | Option 1 ID : <b>75189738725</b>                                  |                  |

Option 2 ID : Option 3 ID: Option 4 ID: Status: Not Answered

Chosen Option : --





Q.58 The random wavering of objects seen through a turbulent stream of hot air rising above a fire can be explained using:

★ 1 scattering of light

× 2. Total internal reflection

3. dispersion of light

Question ID: 7518975446 Option 1 ID: 75189721781 Option 2 ID: 75189721784 Option 3 ID: 75189721783 Option 4 ID: 75189721782 Status: Answered

Chosen Option: 4

Q.59 The resistance of a wire of length L and area of cross-section A is 0.4 Ω. The resistance of a wire of the same material, of the same length (L) and area of cross-section 4A will be:

Ans  $\times$  1 0.2  $\Omega$ 

× 2. 0.8 Ω

× 3. 1.6 Ω

√ 4. 0.1 Ω

Question ID: 7518976681 Option 1 ID: 75189726723 Option 2 ID: 75189726722 Option 3 ID: 75189726721 Option 4 ID: 75189726724

Status: Answered

Chosen Option: 1

Q.60 In a certain code language, 'ADMIT' is written as 'BFPMY' and 'ACTOR' is written as 'BEWSW'. How will 'ABUSE' be written in that language?

Ans X 1. BDZWJ

× 2. BDYWJ

X 3. BDGWJ

Question ID: 7518979852 Option 1 ID: 75189739407 Option 2 ID: 75189739406 Option 3 ID: 75189739408

Option 4 ID: 75189739405 Status: Answered

 $(x^4 - 625)$  can be factorised as:

Ans 
$$(x+5)^2(x^2-25)$$

$$\times$$
 2.  $(x^2 + 25)(x^2 + 25)$ 

$$\sqrt[3]{(x-5)(x+5)(x^2+25)}$$

$$\times$$
 4.  $(x^2-25)(x^2-5)$ 

Question ID: 7518979277 Option 1 ID: 75189737108 Option 2 ID: 75189737105 Option 3 ID: 75189737107 Option 4 ID: 75189737106

Status: Answered

Chosen Option: 3

Q.62 If each of the following numbers is multiplied by 2 and the digits of each number are written in reverse order and then the numbers are arranged in descending order, the position of how many numbers will NOT change?

57, 87, 35, 97, 56, 74

✓ 2. One

X 3. Four

X 4. Three

Question ID: 7518978071 Option 1 ID: 75189732283

Option 2 ID: 75189732284 Option 3 ID: 75189732281 Option 4 ID: 75189732282

Status: Answered

Chosen Option: 2

Q.63 The concept of indifference curve is based on the law of

Ans

★ 1 diminishing marginal utility

× 2. marginal rate of substitution

× 4 demand and supply

Question ID: 7518977214

Option 1 ID: 75189728853 Option 2 ID: 75189728855 Option 3 ID: 75189728854

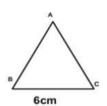
Option 4 ID: 75189728856

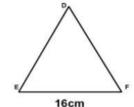
Status: Answered





Q.64 In the given figure, if  $\triangle ABC$  and  $\triangle DEF$  are similar, then the ratio of CA to FD will be:





Ans

X 1. 3:7

X 2. 5:7

X 3. 3:4

4. 3:8

Question ID: 7518979339

Option 1 ID : **75189737356** Option 2 ID : **75189737355** 

Option 3 ID : **75189737354** Option 4 ID : **75189737353** 

Status: Answered

Chosen Option: 4

**Q.65** The mode of the observations 20, 23, 25, 30, 20, 31, 32, 35, 20, 41, 42, 43, 20 and 20 is:

Ans

X 1. 35

× 2. 40

**√** 3. **20** 

X 4. 30

Adda

Question ID: 7518978720

Option 1 ID : 75189734878

Option 2 ID: 75189734877

Option 3 ID : **75189734880** 

Option 4 ID : **75189734879** 

Status : Answered

Chosen Option: 3

**Q.66** Which of the following statements is true about the nature of roots for the equation  $11x^2 + 19x + 8 = 0$ ?

Ans

1 Both roots are negative real

X 2. One root is positive real, and one is negative real

✗ 3. Both roots are imaginary or non-real

× 4 Both roots are positive real

Question ID: 7518979313

Option 1 ID: 75189737252

Option 2 ID: 75189737250

Option 3 ID: 75189737249

Option 4 ID: 75189737251

Status: Answered





Q.67 In the year 2022, at what altitude was the Earth Observation Satellite (EOS-04) placed into a sun-synchronous polar

Ans

√ 1. 529 km

× 2. 612 km

× 3. 317 km

× 4. 714 km

Question ID: 7518977153
Option 1 ID: 75189728609
Option 2 ID: 75189728612
Option 3 ID: 75189728611
Option 4 ID: 75189728610
Status: Not Answered

Chosen Option: --

Q.68 Which of the following numbers is divisible by 4?

Ans

× 1 9876754

× 2. 9876342

× 3. 7864534

√ 4. 8978624

Question ID: 7518978638
Option 1 ID: 75189734552
Option 2 ID: 75189734550
Option 3 ID: 75189734549
Option 4 ID: 75189734551
Status: Answered

Chosen Option: 4

Q.69 What is the process of accumulation of chemicals in higher trophic levels called?

Ans

★ 1. Biological oxidation

X 2. Biological reduction

× 4. Biological remediation

Question ID : **7518977856** Option 1 ID : **75189731423** 

Option 2 ID : **75189731424** Option 3 ID : **75189731421** Option 4 ID : **75189731422** 

Status : Answered





Q.70 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:  $P \le Q = R \le T = M$ ,  $J \le N \le P$ 

Ans

X 1. R < J

X 2. J > T

 $\times$  3. N > R

√ 4. M > J

Question ID: 7518979733 Option 1 ID: 75189738929 Option 2 ID: 75189738931

Option 3 ID: 75189738932 Option 4 ID: 75189738930 Status: Answered

Chosen Option: 4

The focal length of a concave mirror is:

× 1 positive or negative

× 2. zero

X 4. always positive

Question ID: 7518979487

Option 1 ID: 75189737945 Option 2 ID: 75189737948 Option 3 ID: 75189737946 Option 4 ID: 75189737947

Status: Answered

Chosen Option: 3

Q.72 Which of the following numbers will replace the question mark (?) in the given series?

176, 174, 171, 166, 159, ?

Ans X 1. 135

× 2. 138

**3.** 148

X 4. 145

Question ID: 7518978306

Option 1 ID: 75189733223 Option 2 ID: 75189733224 Option 3 ID: 75189733221 Option 4 ID: 75189733222

Status: Answered





Q.73 Which of the following will NOT show covalent bonding?

Ans

X 1. Ammonia (NH<sub>3</sub>)

× 2. Oxygen (O<sub>2</sub>)

X 3. Methane (CH<sub>4</sub>)

Question ID: 7518973387 Option 1 ID: 75189713546 Option 2 ID: 75189713545 Option 3 ID: 75189713547 Option 4 ID: 75189713548

Status : Answered

Chosen Option: 4

Q.74 The process by which electrical energy can be produced in a coil involves:

An

× 1 presence of galvanometer in the system

× 2. inclusion of commutator in the system

× 3. magnet and coil under stationary positions

Question ID: 7518979583 Option 1 ID: 75189738332 Option 2 ID: 75189738329 Option 3 ID: 75189738330

Option 4 ID : **75189738331** Status : **Answered** 



Q.75 In this question, a group of numbers/symbols is coded using letters as per the table given below and the conditions which follow. The correct combination of codes following the condition is your answer.

| Number/Symbol | 2 | 6 | = | @ | ? | 8 | ٧ | 5 | 7 | # | ! | 1 | 7 | 4 |
|---------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code          | ĸ | s | R | Т | U | М | w | Y | Α | v | С | x | E | В |

### Conditions:

- (i) If the first element is a number and the last, a symbol, the codes for these two are to be interchanged.
- (ii) If the first element is an even number and the last, an odd number, the first and last elements are to be coded as Ø.
- (iii) If both second and third elements are perfect squares, the third element is to be coded as the code for the second element.

How will '5 # / 4 = 'be coded?

Ans

✓¹ RVXBY

X2. YVEBY

X3. YVXBR

X4. RCXBY

Question ID: 7518975028 Option 1 ID: 75189720112 Option 2 ID: 75189720111

Option 3 ID: 75189720110 Option 4 ID: 75189720109

Status: Answered

Chosen Option: 3

Q.76 The given pie chart provides details of the study modes used by students of class XII. Study the pie chart and answer the question.



If 18 students study using home tutors, how many total students are there in class XII?

Ans X 1. 300

× 2. 180

**3.** 200

X 4. 350

Question ID: 7518979802

Option 1 ID: 75189739205 Option 2 ID: 75189739207

Option 3 ID: 75189739208 Option 4 ID: 75189739206

Status: Answered





Q.77 Which of the following not-for-profit organisations runs a flagship programme called Udaan that supports accelerated learning of out of school adolescent girls (aged 11-14 years), as of July 2022?

Ans X 1. SEEDS

X 2. Save the Children

✓ 3. CARE

X 4. YUVA

Question ID: 7518976551
Option 1 ID: 75189726204
Option 2 ID: 75189726202
Option 3 ID: 75189726201
Option 4 ID: 75189726203
Status: Answered

Chosen Option: 3

40% of 60% of  $\frac{5}{8}$  of a number is 339. The number is:

Ans 1. 2260

× 2. 4260

X 3. 5260

X 4. 3260

Question ID: 7518978659 Option 1 ID: 75189734636 Option 2 ID: 75189734634 Option 3 ID: 75189734633 Option 4 ID: 75189734635

Status : Answered

Chosen Option: 1

Q.79 Hirakud Dam was in news due to the conflict between Odisha and Chhattisgarh over the distribution of water from the \_\_\_\_\_ river on which the dam has been erected.

Ans

✓ ¹ Mahanadi

× 2. Indravati

× 3. Sankh

X 4. Damodar

Question ID : **7518978913**Option 1 ID : **75189735649**Option 2 ID : **75189735650**Option 3 ID : **75189735651** 

Option 4 ID : **75189735652** Status : **Answered** 





Q.80 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)

(5, 144, 7) (9, 225, 6)

Ans

**X** 1. (4, 100, 5)

× 2. (10, 145, 13)

**X** 3. (9, 99, 10)

**4** (9, 256, 7)

Question ID: 7518978321 Option 1 ID: 75189733281 Option 2 ID: 75189733284 Option 3 ID: 75189733282 Option 4 ID: 75189733283

Status : Answered

Chosen Option: 4

Q.81 Amit, Bineet, Chandan, Dipti, Gyan and Farhaan live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it number 2, and so on till the topmost floor is numbered 6. Dipti lives on an even numbered floor but not on floor number 4. Only two people live between Dipti and Amit. Chandan lives immediately below Farhaan. Farhaan lives on an even numbered floor. Neither Chandan nor Bineet live on the lowermost floor. Who lives on floor number 4?

Ans

X 1. Amit

X 2. Chandan

√ 3. Farhaan

X 4. Bineet

Adda

Question ID: 7518979816 Option 1 ID: 75189739262 Option 2 ID: 75189739263 Option 3 ID: 75189739261

Option 4 ID : **75189739264**Status : **Answered** 

Chosen Option: 3

Q.82 Two trains of lengths 160 m and 90 m are running in the same direction with velocities of 40 km/h and 50 km/h, respectively. The time taken by them to cross each other is:

Ans

√ 1. 90 sec

X 2. 95 sec

X 3. 75 sec

X 4. 80 sec

Question ID: 7518979261
Option 1 ID: 75189737044
Option 2 ID: 75189737043
Option 3 ID: 75189737041

Option 4 ID : **75189737042** 

Status : Answered



Q.83 The correct relation between H (heat), I (current), R (resistance) and T (time) is:

$$\checkmark$$
 1.  $H = I^2RT$ 

$$\times$$
 2.  $H = I^2RT^2$ 

$$\times$$
 3.  $H = IR^2T$ 

$$\times$$
 4.  $H = IRT^2$ 

Question ID: 7518979568 Option 1 ID: 75189738269 Option 2 ID: 75189738272 Option 3 ID: 75189738270

Option 4 ID: 75189738271 Status: Answered

Chosen Option: 1

Q.84 As per the Reserve Bank of India notification of March 2022 the minimum requirement of microfinance loans for NBFC-MFIs should be \_\_\_\_\_ per cent of the total assets.

Ans

Question ID: 7518977228 Option 1 ID: 75189728909 Option 2 ID: 75189728912 Option 3 ID: 75189728911

Option 4 ID: 75189728910 Status: Not Answered

Chosen Option: --

Q.85 In 1896, Maharshi Dhondo Keshav Karve set up an Ashram at \_\_\_\_ believed in empowerment through education.

to educate widows and other women as he

Ans X 1. Madras

× 2. Surat

3. Poona

× 4. Nagpur

Question ID: 7518973993

Option 1 ID: 75189715971 Option 2 ID: 75189715970

Option 3 ID: 75189715969

Option 4 ID: 75189715972

Status: Answered



Q.86 \_\_\_\_\_\_ covers most of the Deccan Plateau, which includes parts of Maharashtra, Madhya Pradesh, Gujarat and Andhra Pradesh and some parts of Tamil Nadu.

Ans X 1. Laterite soil

× 2. Peaty soil

✓ 3. Black soil

X 4. Alluvial soil

Question ID: 7518978905 Option 1 ID: 75189735619 Option 2 ID: 75189735620 Option 3 ID: 75189735617

Option 4 ID : **75189735618**Status : **Answered** 

Chosen Option: 1

Q.87 If  $\tan x = \frac{3}{4}$ , for  $0 \le x \le 90^{\circ}$ , then the value of  $\frac{1-sinx}{1+sinx}$  will be:

Ans

 $\times$  1.  $\frac{1}{2}$ 

 $\times$  2.  $\frac{1}{5}$ 

**√** 3. <sup>1</sup>/<sub>4</sub>

 $\times$  4.  $\frac{1}{3}$ 



Option 1 ID: 75189737375 Option 2 ID: 75189737374 Option 3 ID: 75189737376 Option 4 ID: 75189737373

Question ID: 7518979344

Status : Answered

Chosen Option: 3

Q.88 The sum of two positive numbers is 34 and their product is 64. The positive difference between them is:

Ans

X 1. 40

√ 2. 30

X 3. 50

X 4. 60

Question ID : **7518978739** Option 1 ID : **75189734955** 

Option 2 ID : **75189734956** Option 3 ID : **75189734954** 

Option 4 ID : **75189734953** Status : **Answered** 



Q.89 Refer to the following letter, number, symbol series and answer the question.

(Left) G \$ 5 & 2 P H 8 # T \* S 2 F 8 C 2 7 \$ Y 6 F (Right)

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

Ans

X 1. 2

**√** 2. **1** 

X 3. 3

X 4. 4

Question ID : **7518979168** 

Option 1 ID : **75189736670** Option 2 ID : **75189736669** Option 3 ID : **75189736671** 

Option 4 ID : **75189736672** Status : **Answered** 

Chosen Option : 1

Q.90 Six friends E, F, G, H, I and J are seated around a round table facing the centre. E is seated 2<sup>nd</sup> to the right of I. Only G is seated between H and J. Where is F seated?

Ans

 $\checkmark$  1. 3<sup>rd</sup> to the left of G

× 2. 2<sup>nd</sup> to the left of I

X 3. 2<sup>nd</sup> to the right of G

X 4. 2<sup>nd</sup> to the right of I

Question ID: 7518979707

Option 1 ID: 75189738827

Option 2 ID: 75189738825

Option 3 ID: 75189738828

Option 4 ID: **75189738826** 

Status : Answered

Chosen Option: 1

Q.91 The volume of a sphere having radius 6 cm is:

Δns

 $\times$  1. 488  $\pi$  cm<sup>3</sup>

 $\times$  2. 388  $\pi$  cm<sup>3</sup>

√ 3. 288 π cm<sup>3</sup>

 $\times$  4. 588  $\pi$  cm<sup>3</sup>

Question ID: 7518978784

Option 1 ID: 75189735134

Option 2 ID: 75189735135

Option 3 ID: **75189735136** 

Option 4 ID : **75189735133**Status : **Answered** 





**Q.92** If the 5-digit number 688 xy is divisible by 11 and 21, then what is the value of (8x - 3y + xy)?

Ans X 1. 6

**√** 2. **24** 

X 3. 15

X 4. 13

Question ID: 7518978349 Option 1 ID: 75189733396 Option 2 ID: 75189733393 Option 3 ID: 75189733394

Option 4 ID: 75189733395 Status: Answered

Chosen Option: 3

Q.93 of the Constitution of India deals with the prohibition of traffic in human beings and forced labour.

Ans X 1. Article 26

× 2. Article 28

X 4. Article 21

Question ID: 7518978934 Option 1 ID: 75189735734 Option 2 ID: 75189735736 Option 3 ID: 75189735735 Option 4 ID: 75189735733

Status: Answered

Chosen Option: 3

Q.94 Which of the following compounds is used in the manufacture of borax?

Ans

X 1. Chlorine water

X 2. Brine water

X 3. Bleaching powder

Question ID: 7518979657

Option 1 ID: 75189738625 Option 2 ID: 75189738627

Option 3 ID: 75189738628 Option 4 ID: 75189738626

Status: Answered





Q.95 Which of the following numbers will replace the question mark (?) in the given series?

5, 5, 7, 21, 25, ?

Ans X 1. 65

X 2. 45

X 3. 120

√ 4. 125

Question ID: 7518979872

Option 1 ID: 75189739487 Option 2 ID: 75189739486

Option 3 ID: 75189739488 Option 4 ID: 75189739485

Status: Answered

Chosen Option: 4

Q.96 The ratio of the radius of the base to the height of a cylinder is 2:1. If its volume is 4312 cm<sup>3</sup>, then the curved surface area of the cylinder is:

Ans

× 1. 946 cm<sup>2</sup>

× 2. 734 cm<sup>2</sup>

✓ 3. 616 cm<sup>2</sup>

× 4. 668 cm<sup>2</sup>

Question ID: 7518979327

Option 1 ID: 75189737305 Option 2 ID: 75189737306

Option 3 ID: 75189737307

Option 4 ID: 75189737308 Status: Answered

Chosen Option: 3

Q.97 Which of the following methods can be used to conserve our natural resources?

Ans

✗ 2. Not recycling goods

X 3. Turning on lights even when not required

× 4. Using more water

Question ID: 7518977878

Option 1 ID: 75189731510

Option 2 ID: **75189731511** 

Option 3 ID: 75189731512

Option 4 ID: 75189731509

Status: Answered





Q.98 The following table shows the monthly expenditure (in ₹ thousand) by three persons on rent, food, clothing and traveling. Study the table and answer the question.

|       | Rent | Food | Clothing | Traveling |
|-------|------|------|----------|-----------|
| Rahul | 12.3 | 10.0 | 12.7     | 15.0      |
| Geeta | 14.3 | 15.0 | 11.7     | 11.5      |
| Madhu | 14.5 | 25.0 | 20.0     | 22.0      |

What is the average expenditure of Madhu on all the four expenses together?

Ans

× 1. ₹20,377

× 2. ₹20,357

**√** 3. ₹20,375

**×** 4. ₹20,537

Question ID: 7518979896

Option 1 ID : **75189739584** Option 2 ID : **75189739582** 

Option 3 ID: **75189739581** Option 4 ID: **75189739583** 

Status : Answered

Chosen Option: 3

Q.99 Who won the men's singles Yonex Sunrise India Open 2022?

Ans

X 1 Mohammad Ahsan

× 2. Satwiksairaj Rankireddy

X 3. Chirag Shetty

Question ID: 7518973949

Option 1 ID: 75189715796

Option 2 ID: **75189715793** 

Option 3 ID: **75189715794** 

Option 4 ID: 75189715795

Status : Answered





Q.100 Select the option that is related to the fifth number in the same way as the fourth number is related to the third number and the second number is related to the first number.

9:83::5:47::4:?

Ans

X 1. 37

**√** 2. **38** 

**X** 3. 33

**X** 4. 32

Question ID: 7518979773

Option 1 ID: **75189739089** 

Option 2 ID: **75189739092** 

Option 3 ID : **75189739090** Option 4 ID : **75189739091** 

Status : Answered

Chosen Option : 2

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