





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



Roll Number	
Candidate Name	
Test Center Name	iON Digital Zone iDZ Anantapur
Test Date	05/09/2022
Test Time	9:00 AM - 10:30 AM
Subject	Level 1

^{*} 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

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

(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)

22:440::14:168::19:?

Ans X 1. 380

X 2. 95

X 3. 228

√ 4. 323

Question ID: 7518978054

Option 1 ID: 75189732213

Option 2 ID: 75189732216

Option 3 ID: 75189732215

Option 4 ID: 75189732214

Status: Answered Chosen Option: 4

Q.2 Select the number from among the given options that can replace the question mark (?) in the following series.

12, 10, 11.5, 10.5, 11, 11, 10.5, 11.5, 10, ?

Ans X 1. 8.5

X 2. 13

X 3. 11

√ 4. 12

Question ID: **7518978043**

Option 1 ID: 75189732169

Option 2 ID: **75189732172**

Option 3 ID: **75189732170**

Option 4 ID: 75189732171 Status: Answered

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Q.3 Select the number from among the given options that can replace the question mark (?) in the following series.

1.6, 2.3, 3, 3.7, 4.4, 5.1, 5.8, 6.5, ?, 7.9, 8.6

Ans × 1. 7.4

√ 2. **7.2**

X 3. 7.3

X 4. 7.1

Question ID: 7518978035

Option 1 ID: 75189732140

Option 2 ID: 75189732137

Option 3 ID: 75189732138

Option 4 ID: 75189732139 Status: Answered

Chosen Option: 2

If 3 and -7 are the roots of a quadratic equation, then the quadratic equation is:

Ans
$$x^2 - 4x + 21 = 0$$

$$x^2 - 4x - 21 = 0$$

$$\times$$
 3. $-x^2 + 4x + 21 = 0$

$$\checkmark$$
 4. $x^2 + 4x - 21 = 0$

Question ID: 7518976350

Option 1 ID: 75189725400

Option 2 ID: 75189725399

Option 3 ID: 75189725397

Option 4 ID: 75189725398

Status: Answered Chosen Option: 4

Q.5 If the numerator of a fraction be increased by 10% and its denominator be reduced by 5%, then the fraction becomes Find the original fraction.

Ans

× 3. $\frac{17}{25}$

 \times 4. $\frac{19}{25}$

Question ID: 7518976049

Option 1 ID: 75189724195

Option 2 ID: 75189724196

Option 3 ID: 75189724194

Option 4 ID: 75189724193

Status: Answered



The shorter side of a rectangle is 10 cm less than the longer side. The numerical value of its area is equal to 6 times the numerical value of its perimeter. What is the length (in cm) of its longer side?

Ans

X 1. 35

X 2. 20

3. 30

X 4. 25

Question ID: 7518978459 Option 1 ID: 75189733836 Option 2 ID: 75189733833 Option 3 ID: 75189733835 Option 4 ID: 75189733834

Status: Answered

Chosen Option: 3

Q.7 Which of the following terms will replace the question mark (?) in the given series to make it logically complete?

17KDP, 20TMY, 23CVH, 26LEQ,?

Ans X 1. 29NZW

X 3. 27NZW

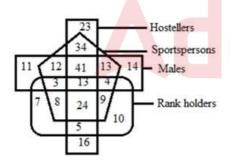
X 4. 27UNZ

Question ID: 7518979137 Option 1 ID: 75189736547 Option 2 ID: 75189736546 Option 3 ID: 75189736545 Option 4 ID: 75189736548

Status: Answered

Chosen Option: 2

Study the Venn diagram given below and answer the question that follows,



How many hosteller sportspersons are NOT males but rank holders?

Ans X 1. 5

X 2. 34

√ 3. 24

X 4. 13

Question ID: 7518977927

Option 1 ID: 75189731708

Option 2 ID: 75189731707

Option 3 ID: 75189731705

Option 4 ID: 75189731706

Status: Answered

Three pipes A, B and C can fill a tank in 5 hours, 8 hours and 12 hours, respectively. If all the pipes are opened at the same time, then the time taken to fill the tank is:

Ans

$$\times$$
 1. $4\frac{22}{49}$ hours

$$✓$$
 2. $2\frac{22}{49}$ hours

$$\times$$
 3. $5\frac{22}{49}$ hours

$$\times$$
 4. $3\frac{22}{49}$ hours

Question ID: 7518978710 Option 1 ID: 75189734838 Option 2 ID: 75189734840 Option 3 ID: 75189734837 Option 4 ID: 75189734839

Status: Answered

Chosen Option: 2

Q.10 Study the graph and answer the question.

Expenditures (₹ lakh) of three different companies in 5 different years



Total expenditure of all three companies together in the year 2018 was what percentage of the total expenditure of company B over all the years together?

Question ID: 7518979057 Option 1 ID: 75189736225 Option 2 ID: 75189736228 Option 3 ID: 75189736227 Option 4 ID: 75189736226 Status: Answered



Q.11 A shopkeeper sells an item for ₹571.20 after giving two successive discounts of 20% and 15% on its marked price. Had he not given any discount, he would have earned a profit of 12%. What is the cost price (in ₹) of the item?

Ans X 1. 700

× 2. 720

3. 750

× 4. 780

Question ID: 7518978390 Option 1 ID: 75189733557

Option 2 ID: 75189733558 Option 3 ID: 75189733559 Option 4 ID: 75189733560

Status: Answered

Chosen Option: 3

Q.12 Jawaharlal Nehru classified which of the following Acts as 'a new charter of slavery'?

★ 1. The Charter Act, 1853

2 Government of India Act, 1919

3. Government of India Act, 1935

X 4. Rowlatt Act

Question ID: 7518977173

Option 1 ID: 75189728691

Option 2 ID: 75189728689 Option 3 ID: 75189728690

Option 4 ID: 75189728692

Status: Answered Chosen Option: 3

Q.13 Which of the following companies launched India's first hydrogen fuel cell-powered electric car in March 2022?

X 1 Renault India Private Limited

X 2. Hyundai Motor India Limited

3. Toyota Kirloskar Motor Private Limited

X 4. Tata Motors Limited

Question ID: 7518978495 Option 1 ID: 75189733979

Option 2 ID: 75189733978

Option 3 ID: 75189733980

Option 4 ID: 75189733977

Status: Answered





Q.14 Anu is four times as good as Binni in doing a work. Together they finish the same work in 12 hrs. In how many hrs will Anu alone finish the work?

Ans × 1. 11 hrs

× 2. 13 hrs

× 4. 10 hrs

Question ID: 7518975656

Option 1 ID: 75189722622

Option 2 ID: **75189722623** Option 3 ID: 75189722624

Option 4 ID: 75189722621 Status: Answered

Chosen Option: 3

Q.15 The river when in its lower course while entering the sea splits into numerous smaller channels known as _

Ans X 1. gorges

× 2. arêtes

× 4. tributaries

Question ID: 7518974254

Option 1 ID: 75189717015

Option 2 ID: **75189717016** Option 3 ID: **75189717014**

Option 4 ID: **75189717013**

Status: Answered

Chosen Option: 3

_____. (Use empirical formula Q.16 If the mode of a data exceeds its mean by 16.2, then the mode exceeds the median by

to find the answer.)

Ans **1.** 10.8

× 2. 8.25

X 3. 10.2

X 4. 12.4

Question ID: 7518978425

Option 1 ID: 75189733699

Option 2 ID: 75189733697

Option 3 ID: 75189733698

Option 4 ID: 75189733700

Status: Not Answered



Q.17 Which of the following Fundamental Rights stands violated in a hypothetical situation where an officer of the armed forces is not promoted because she is a woman?

Ans

X 1. Right to Constitutional Remedies

✓ 2. Right to Equality

X 3. Right against Exploitation

X 4 Right to Freedom

Question ID: 7518978592
Option 1 ID: 75189734367
Option 2 ID: 75189734366
Option 3 ID: 75189734365
Option 4 ID: 75189734368
Status: Answered

Chosen Option : 2

Q.18 If the simple interest on a certain sum for 8 years is $\frac{11}{25}$ of the sum, then the rate of interest per annum is:

Ans

$$\times$$
 1. $7\frac{1}{2}\%$

$$\times$$
 2. $6\frac{1}{2}\%$

$$\times$$
 3. $8\frac{1}{2}\%$

Question ID: 7518978676
Option 1 ID: 75189734702
Option 2 ID: 75189734703
Option 3 ID: 75189734701
Option 4 ID: 75189734704
Status: Answered

Chosen Option: 4

Q.19 Which player among the following won individual silver medal in the women's 10 m air pistol event in International Shooting Sport Federation (ISSF) World Cup 2022?

Ans

X 1. Shreya Aggarwal

2. Esha Singh

X 3. Manu Bhaker

X 4 Rajshree Sancheti

Question ID : 7518977435 Option 1 ID : 75189729739 Option 2 ID : 75189729738 Option 3 ID : 75189729740 Option 4 ID : 75189729737

Status: Answered



Q.20 The position of how many letters will remain unchanged if each of the letters in the word DUPLICATE is arranged in alphabetical order?

Ans X 1. 1

X 2. 3

X 3. 4

√ 4. 2

Question ID: 7518977963 Option 1 ID: 75189731849 Option 2 ID: 75189731851

Option 3 ID: 75189731852 Option 4 ID: 75189731850

Status: Answered

Chosen Option: 4

Q.21 Many of the excretory products produced by plants are useful to humans. Identify the product that is harmful for humans when inhaled

Ans X 1. Gums

× 2. Oxygen

3. Carbon dioxide

X 4. Resins

Question ID: 7518974556

Option 1 ID: 75189718223 Option 2 ID: 75189718224 Option 3 ID: 75189718221

Option 4 ID: 75189718222

Status: Answered Chosen Option: 3

Q.22 Some features of a prokaryotic cell are mentioned below. Select the INCORRECT option.

Ans

1 Membrane-bound cell organelles present

× 2. Nuclear region known as nucleoid

X 3. Single chromosome

Y 4 Very small in size

Question ID: 7518974565 Option 1 ID: 75189718259

Option 2 ID: 75189718260 Option 3 ID: 75189718258

Option 4 ID: 75189718257

Status: Answered



Q.23 In Economics, Total variable cost ÷ Units of output produced = _____.

Ans X 1. Average product

× 2. Total product

✗ 3. Average fixed cost

Question ID: 7518978558 Option 1 ID: 75189734232 Option 2 ID: 75189734231 Option 3 ID: 75189734229 Option 4 ID: 75189734230

Status: Answered

Chosen Option : 4

Q.24 Shri Lal Bahadur Shastri National Sanskrit University is located at _

✓ ¹ New Delhi

× 2. Lucknow

× 3. Jaipur

X 4. Dehradun

Question ID: 7518977478 Option 1 ID: 75189729910 Option 2 ID: 75189729912 Option 3 ID: 75189729911 Option 4 ID: 75189729909 Status: Answered

Chosen Option: 4

Q.25 The Fundamental Duties of Indian citizens are found in which Article of the Constitution of India?

Ans X 1. Article 244

× 2. Article 13

X 3. Article 307

✓ 4. Article 51A

Question ID: 7518977270

Option 1 ID: 75189729077 Option 2 ID: 75189729079

Option 3 ID: 75189729078

Option 4 ID: 75189729080

Status: Answered



refers to the cessation of menstruation.

- Ans X 1. Menarche
 - × 2. Hypermenorrhea
 - × 3. Menses

Question ID: 7518974430 Option 1 ID: 75189717718 Option 2 ID: 75189717720 Option 3 ID: 75189717719

Option 4 ID: 75189717717 Status: Answered

Chosen Option: 2

Q.27 Tamanna started her walk at 6 a.m. On her way she saw a tree in front of her. She noted that the shadow of the tree was exactly to her left. In which direction was Tamanna walking?

Ans

- ✓ 1. North
- X 2. South
- × 3. West
- X 4. East

Question ID: 7518978017 Option 1 ID: 75189732067 Option 2 ID: 75189732068 Option 3 ID: 75189732066 Option 4 ID: 75189732065 Status: Answered

Chosen Option: 1

Q.28 If L denotes +, M denotes ×, P denotes + and Q denotes -, than which of the following statements is true out of the options given below?

- × 1. 17 Q 22 M 18 P 13 L 7 = 473
- × 2. 13 M 64 P 24 L 18 Q 6 = 36
- \times 3. 12 Q 13 L 15 M 19 P 23 = 96

Question ID: 7518979051

Option 1 ID: 75189736202

Option 2 ID: 75189736201

Option 3 ID: 75189736204

Option 4 ID: 75189736203

Status: Not Answered





Q.29 There are 43 cadets in a battalion, and the commander is planning for an straight row arrangement of cadets on stage,

facing north. P is 18^{th} from the left side of the row and Q is 31^{st} from the right side of the row. Find the number of cadets standing between P and Q.

Ans X 1. 3

X 2. 6

3. **4**

X 4. 5

Question ID : 7518978958

Option 1 ID: 75189735832

Option 2 ID: 75189735829

Option 3 ID: 75189735831

Option 4 ID : **75189735830** Status : **Answered**

Chosen Option: 4

Q.30 Refer to the following letter, number, symbol series and answer the question.

(Left) B 8 D 5 6 M S 8 # Z @ 7 K \$ 2 C B 4 5 N R (Right)

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

Ans

X 1. 1

X 2. 3

X 3. 4

√ 4. 2

Question ID: 7518979158

Option 1 ID: 75189736629

Option 2 ID: 75189736631

Option 3 ID: 75189736632

Option 4 ID: 75189736630

Status : Answered Chosen Option : 2

Q.31 During fermentation in yeast, pyruvate is converted into which of the following products?

Ans X 1. Water and carbon dioxide

X 2. Glucose and carbon dioxide

✓ 3. Ethanol and carbon dioxide

X 4 Lactic acid and carbon dioxide

Question ID : **7518977795**

Option 1 ID: 75189731179

Option 2 ID: **75189731177**

Option 3 ID: 75189731178

Option 4 ID: 75189731180

Status: Answered





Q.32 Find the surface area of a sphere whose diameter is equal to 14 cm.

Ans × 1. 524 cm²

× 2. 1232 cm²

√ 3. 616 cm²

× 4. 1048 cm²

Question ID: 7518978787 Option 1 ID: 75189735146 Option 2 ID: 75189735147 Option 3 ID: 75189735145 Option 4 ID: 75189735148

Status: Answered

Chosen Option: 3

Q.33 If the armature of an AC generator is rotated faster, then:

X 1 there is no change in induced current

× 2. induced potential difference decreases

3. induced current decreases

4 induced potential difference increases

Question ID: 7518978162 Option 1 ID: 75189732648 Option 2 ID: **75189732645** Option 3 ID: 75189732647 Option 4 ID: 75189732646 Status: Answered

Chosen Option: 4

Q.34 Starting from point P, Sheetal walks 50 m towards the west. She takes a right turn and walks 20 m. Then she takes a left turn and walks 47 m. She takes a left turn again and walks 75 m. Again, she takes a left turn and walks 47 m. She takes a left turn again and walks 20 m. Then she takes a right turn and walks 50 m. Finally, she takes a left turn and walks 10 m to reach point Q. How far and in which direction is point P from point Q? (All turns are 90 degree turns only)

Ans X 1. 35 m due north

√ 2. 25 m due north

× 3. 25 m due south

X 4. 15 m due north

Question ID: 7518977700 Option 1 ID: 75189730799

Option 2 ID: 75189730797 Option 3 ID: 75189730798 Option 4 ID: 75189730800

Status: Answered



Q.35 The volume of a cuboid whose length, breadth and height are 3 cm, 4 cm and 5 cm, respectively, is:

- ✓ 1. 60 cm³
- × 2. 90 cm³
- × 3. 80 cm³
- × 4. 70 cm³

Question ID: 7518978792 Option 1 ID: 75189735168 Option 2 ID: **75189735165**

Option 3 ID: 75189735166 Option 4 ID: 75189735167

Status: Answered

Chosen Option: 1

Q.36 'e-RUPI' is a _____ based payments system to promote cashless transactions, launched by the National Payments Corporation of India (NPCI) in 2021.

- Ans X 1. credit card
 - × 2. mobile wallet
 - X 3. debit card

Question ID: 7518978551 Option 1 ID: 75189734202 Option 2 ID: 75189734203 Option 3 ID: 75189734204 Option 4 ID: 75189734201

Status: Answered

Chosen Option: 2

Q.37

The value of $\left(\frac{64}{25}\right)^{-\frac{3}{2}} \times \left(\frac{2}{5}\right)^4 \div \sqrt[5]{(32)^{-3}}$ is:

Ans

- \times 4. $\frac{2}{5}$

Question ID: 7518978345

Option 1 ID: 75189733379

Option 2 ID: 75189733380

Option 3 ID: 75189733377

Option 4 ID: 75189733378

Status: Answered





Q.38 Consider the below statements and identify the correct answer.

Statement-I: Dobereiner made the first observations on platinum as a catalyst and discovered similar triads of elements which led to the development of the periodic table of elements.

Statement-II: JW Dobereiner was the professor of chemistry and pharmacy at the University of Jena.

Ans X 1. Both the statements are false.

✓ 2. Both the statements are true.

✗ 3 Only statement I is true.

Multiple 4 Only statement II is true.

Question ID: 7518973703
Option 1 ID: 75189714810
Option 2 ID: 75189714809
Option 3 ID: 75189714811
Option 4 ID: 75189714812
Status: Answered

Chosen Option: 1

- Q.39 Consider the following statements about a fuse wire:
 - (a) It is connected in series with a device.
 - (b) It is made of a material of low melting point.

Which of the above statements is/are correct?

Ans

✓ 1. Both (a) and (b)

× 2. Neither (a) nor (b)

X 3. Only (b)

X 4. Only (a)

Question ID: 7518976702

Option 1 ID: 75189726807

Option 2 ID: 75189726808

Option 3 ID: 75189726806

Option 4 ID : 75189726805 Status : Answered

Chosen Option : 1

Q.40 The current population of a town is 15,625. It increases by 8% and 12% in two successive years but decreases by 22% in the third year. What is the population of the town at the end of the third year?

Ans

× 1. 14,042

× 2. 15,120

X 3. 13,230

4. 14,742

Question ID: 7518978359

Option 1 ID: 75189733436

Option 2 ID : **75189733435**

Option 3 ID: 75189733433

Option 4 ID: 75189733434

Status : Answered



Q.41 Which of the following molecules has three carbon atoms in it?

✓ 1. Pyruvic acid

X 2. Carbon dioxide

× 3. Ethanol

X 4. Glucose

Question ID: 7518974390 Option 1 ID: 75189717557 Option 2 ID: 75189717558 Option 3 ID: 75189717560 Option 4 ID: 75189717559

Status: Answered

Chosen Option: 1

Q.42 Select the option that is related to the fifth number in the same way as the second number is related to the first number and the fourth number is related to the third number.

59:45::46:24::85:?

Ans X 1. 38

X 2. 35

X 3. 44

4. 40

Question ID: 7518977726 Option 1 ID: 75189730901 Option 2 ID: 75189730904 Option 3 ID: 75189730902 Option 4 ID: 75189730903

Status: Answered Chosen Option: 4

Q.43 Which of the following is the scheme of interest subsidy on educational loans for overseas studies for students belonging to the minority communities?

Ans

× 1 Padho Videsh

X 2. Nai Udaan

3. Padho Pardesh

X 4. Naya Savera

Question ID: 7518976782

Option 1 ID: 75189727125

Option 2 ID: 75189727128

Option 3 ID: 75189727126

Option 4 ID: 75189727127

Status: Not Answered

Q.44 Consider the following chemical reaction.

$$CO(g) + 2H_2(g) \rightarrow P$$

Predict the product (P) of this reaction.

Ans \times 1. CHO + H_2

√ 2. CH₃OH

X 3. COOH + H₂

★ 4. CHO + 2H₂

Question ID: 7518973567 Option 1 ID: 75189714265 Option 2 ID: **75189714268** Option 3 ID: 75189714266 Option 4 ID: 75189714267 Status: Answered

Chosen Option: 2

Q.45 In a certain code language, the numbers/symbols are coded using letters as per the table given below and as per the given conditions.

Number/ Symbol	s	5	%	6	^	7	4	&	8	*	9	1		2	@	3	#
Code	A	s	D	F	G	н	J	к	L	М	N	В	v	С	x	z	Q

Conditions:

- I. If the first element is an even number and the last is an odd number, the codes for the first and last elements are to be interchanged.
- II. If both the second and third elements are even numbers, the code for these two will be K.
- III. If the first element is a number and the last a symbol, the last element code is to be used for the first element

What will be the code for 8%7\$9@?

- Ans X 1. LDHANL
 - X 2. LDHANX
 - X 3. XDHANL

Question ID: 7518978010

Option 1 ID: 75189732038 Option 2 ID: 75189732037 Option 3 ID: 75189732040

Option 4 ID: 75189732039 Status: Answered



Q.46 Tamil, the official and most prominent language of Tamil Nadu, is a member of ______ language family.

Ans

🔀 1 Indo-Aryan

✓ 2. Dravidian

X 3. Kra-Dai

X 4. Munda

Question ID : 7518978860 Option 1 ID : 75189735439 Option 2 ID : 75189735437 Option 3 ID : 75189735440 Option 4 ID : 75189735438

Status: Answered

Chosen Option : 2

Q.47 The area around a magnet in which force is exerted by the magnet is called:

Ans

X1 pole

× 2. magnetic material

3. magnetic field

× 4. magnetic lines

Question ID : 7518978147 Option 1 ID : 75189732585 Option 2 ID : 75189732588 Option 3 ID : 75189732587 Option 4 ID : 75189732586 Status : Answered

Chosen Option: 3

Q.48 The list price of a washing machine is ₹13,200. It is sold to a retailer after two successive discounts of 25% and 15%.

The retailer wants to earn a profit of 20% on his cost after allowing a 25% discount (on its new list price) to the customer. At what price should he list the washing machine?

Ans

× 1 ₹13,466

√ 2. ₹13,464

× 3. ₹13,644

× 4. ₹13,664

Question ID: 7518978392

Option 1 ID: 75189733567

Option 2 ID: **75189733566**

Option 3 ID: 75189733565

Option 4 ID: **75189733568**

Status : Not Answered

Chosen Option : --



Q.49 How many electrons are shared by one oxygen atom with a carbon atom in a carbon dioxide molecule?

Ans X 1. 1

X 2. 4

√ 3. 2

X 4. 3

Question ID: 7518973391 Option 1 ID: 75189713561 Option 2 ID: 75189713564 Option 3 ID: 75189713562

Option 4 ID: 75189713563 Status: Answered

Chosen Option: 3

Q.50 If ABCD is a rhombus such that $\angle ACB = 40^{\circ}$, then $\angle ADB$ is:

Ans X 1. 40°

√ 2. 50°

X 3. 60°

X 4. 45°

Question ID: 7518978810

Option 1 ID: 75189735237 Option 2 ID: 75189735239 Option 3 ID: 75189735240 Option 4 ID: 75189735238

Status: Answered

Chosen Option: 2

Q.51 What is the product of the following combination reaction?

$$SO_3 + H_2O \rightarrow ?$$

Ans

✓ 1. H₂SO₄

× 2. H₂O₂

✗ 3. SO₂

× 4. H₂S

Question ID: 7518973424 Option 1 ID: 75189713696

Option 2 ID: 75189713695

Option 3 ID: 75189713693 Option 4 ID: 75189713694

Status: Answered





Q.52 The cost of 3 pens and 2 pencils is ₹53 and the cost of 2 pens and 5 pencils ₹50. The cost of 5 pens and 3 pencils is:

Ans × 1. ₹72

× 2. ₹81

√ 3. ₹87

X 4. ₹95

Question ID: 7518978432 Option 1 ID: 75189733725 Option 2 ID: **75189733726** Option 3 ID: 75189733727 Option 4 ID: 75189733728

Status: Answered Chosen Option: 3

Q.53 Reactions in which there is an exchange of ions between the reactants are called:

Ans

× 1 exchange reactions

2 displacement reactions

× 3. precipitation reactions

4 double displacement reactions

Question ID: 7518973589 Option 1 ID: 75189714356 Option 2 ID: 75189714353 Option 3 ID: **75189714355** Option 4 ID: 75189714354

Status: Answered Chosen Option: 4

Q.54 Resistivity of material depends on

√ 1. temperature

× 2. length

× 3. pressure

× 4. thickness

Question ID: 7518978130

Option 1 ID: 75189732518

Option 2 ID: 75189732519

Option 3 ID: 75189732517

Option 4 ID: 75189732520

Status: Answered



Q.55 Due to atmospheric refraction, the apparent position of a star is slightly ______ than its actual position, when viewed from near the horizon, and this apparent position ______. This results in twinkling of stars.

Ans X 1. higher, is stationary

✓ 2. higher, keeps on changing

X 3. lower, is stationary

× 4 lower, keeps on changing

Question ID: 7518976661
Option 1 ID: 75189726641
Option 2 ID: 75189726642
Option 3 ID: 75189726643
Option 4 ID: 75189726644

Status: Answered

Chosen Option: 2

The value of $\left(\frac{x^b}{x^c}\right)^{b+c} \times \left(\frac{x^c}{x^a}\right)^{c+a} \times \left(\frac{x^a}{x^b}\right)^{a+b}$ is equal to:

Ans X 1. 3

X 2. 2

3. 1

X 4. 0

Question ID : 7518978620
Option 1 ID : 75189734477
Option 2 ID : 75189734478
Option 3 ID : 75189734479
Option 4 ID : 75189734480
Status : Answered

Chosen Option: 3

Q.57 The corresponding sides of two similar triangles are in the ratio of 2: 3. If the area of the smaller triangle is 48 cm², then the area of the bigger triangle is:

Ans × 1. 106 cm²

× 2. 230 cm²

× 3. 107 cm²

✓ 4. 108 cm²

Question ID: 7518978807

Option 1 ID: 75189735226

Option 2 ID: **75189735225**

Option 3 ID : **75189735227**

Option 4 ID: 75189735228

Status: Answered



Q.58 Which of the following options is the closest approximate value which will come in place of question mark(?) in the following equation?

 $4.49 \div 1.49 - 3.33 \times 3 + 4.49 = ?$

Ans $\sqrt{1.}$ -2.5

× 2. −4.5

X 3. 2.5

X 4. 4.5

Question ID: 7518978064

Option 1 ID: 75189732255 Option 2 ID: 75189732256 Option 3 ID: 75189732254

Option 4 ID: 75189732253 Status : Answered

Chosen Option: 1

Q.59 The three-tier system of Panchayati Raj was first recommended by the _____ in 1957.

X 1 Ashok Mehta Committee

✓ 2. Balwant Rai Mehta Committee

X 3. GKV Rao Committee

✗ 4. Singhvi Committee

Question ID: 7518978607

Option 1 ID: 75189734426 Option 2 ID: **75189734425**

Option 3 ID: 75189734427

Option 4 ID: 75189734428

Status : Answered

Chosen Option: 2

Q.60 A train crosses a platform of length 200 metres in 40 seconds and a man in 20 seconds. The length of the train is:

Ans X 1. 300 metres

× 2. 400 metres

× 4. 500 metres

Question ID: 7518978699

Option 1 ID: 75189734795

Option 2 ID: 75189734794

Option 3 ID: 75189734796

Option 4 ID: 75189734793

Status: Answered





Q.61 A ray of light in air is incident at an angle of 45° on the surface separating air from a medium of refractive index $\sqrt{2}$.The ray is refracted in the medium at an angle of _____.

Ans

√ 1. 30°

X 2. 15°

X 3. 60°

× 4. 45°

Question ID: 7518976615 Option 1 ID: 75189726458 Option 2 ID: 75189726457 Option 3 ID: 75189726460

Option 4 ID: 75189726459 Status: Answered

Chosen Option: 1

 $^{\mbox{Q.62}}$ If a 4 Ω resistor is connected to a 12 V battery, then the power consumed is:

Ans

√ 1 36 Watt

× 2. 1.25 Watt

X 3. 9 Watt

X 4. 3 Watt

Question ID: 7518978146 Option 1 ID: 75189732583 Option 2 ID: 75189732584 Option 3 ID: 75189732582 Option 4 ID: 75189732581

Status: Answered

Chosen Option: 1

Q.63 Seven people, A, B, C, D, E, F and G, are sitting in a straight row, facing north. Only three people sit between A and D. Only two people sit to the left of A. G is not an immediate neighbour of D. G sits second to the right of E. F sits to the immediate right of C. Who sits at the extreme left end of the row?

Ans X 1. G

X 2. A

X 3. E

√ 4. B

Question ID: 7518978176

Option 1 ID: 75189732704 Option 2 ID: 75189732703

Option 3 ID: 75189732701

Option 4 ID: **75189732702** Status: Not Answered



Q.64 Where is India's only confirmed active volcano located, which lies about 135 km south of the Andaman and Nicobar Island's capital, Port Blair?

Ans X 1. Wilson Island

× 2. Neill Island

X 3. Havelock island

4. Barren Island

Question ID : 7518978910 Option 1 ID : 75189735640 Option 2 ID : 75189735639 Option 3 ID : 75189735638 Option 4 ID : 75189735637

Status: Answered

Chosen Option : 4

Q.65 3 bags and 4 pens together cost ₹1,285, whereas 5 bags and 3 pens together cost ₹1,995. The cost of 2 bags exceeds the cost of 11 pens by:

Ans

✓ 1. ₹310

× 2. ₹350

× 3. ₹390

× 4. ₹300

Question ID: 7518978436 Option 1 ID: 75189733743 Option 2 ID: 75189733742 Option 3 ID: 75189733741 Option 4 ID: 75189733744

Status : Answered

Chosen Option: 1

Q.66 वैश्विक पीएमआई (Global MPI) 2021 के अनुसार, 109 देशों की सूची में भारत किस स्थान पर था?

Ans × 1. 87

X 2. 99

3. 66

X 4. 96

Question ID: 7518977168

Option 1 ID: **75189728670**

Option 2 ID: **75189728672**

Option 3 ID: **75189728669**

Option 4 ID: 75189728671

Status : Answered



Q.67 Given below is a statement followed by two possible conclusions I and II. Read the information carefully and select the correct option.

Statement:

Following the recession in country F, many smaller companies have decided to lay off all their employees who were on probation period of six months. As a result, a little over 48% of the employees of company M were laid off. Which of the following can be concluded from the given information?

I. Company M had almost doubled in employee strength recently.

II. The layoffs due to recession are not performance based.

1 Only I can be concluded from the given information.

2. Only II can be concluded from the given information.

✓ 3. Both I and II can be concluded from the given information.

Neither I nor II can be concluded from the given information.

Question ID: 7518979086 Option 1 ID: 75189736341 Option 2 ID: 75189736342 Option 3 ID: 75189736343 Option 4 ID: 75189736344 Status: Answered

Chosen Option: 3

Q.68 Who discovered the law of octaves and compared this to the octaves found in music?

John Newlands

× 2 Dmitri Mendeléev

3. Johann Döbereiner

¥ 4 Johann Jakob Balmer

Question ID: 7518973706

Option 1 ID: 75189714821

Option 2 ID: 75189714823

Option 3 ID: 75189714822 Option 4 ID: 75189714824

Status: Answered

Chosen Option: 3

Q.69 Which of the following metals is obtained by electrolysis?

Na, Zn, Au, Ag, Mg, Al, Cu

Ans X 1. Mg, Al, Cu

× 2. Na, Zn, Au

X 3. Au, Ag, Mg

✓ 4. Na, Mg, Al

Question ID: 7518973680

Option 1 ID: 75189714719

Option 2 ID: 75189714718

Option 3 ID: 75189714717

Option 4 ID: 75189714720

Status: Answered



Q.70 An object is placed in front of a concave mirror of focal length 6 cm, at a distance of 24 cm. The magnification produced by the mirror is

$$/\!\!/$$
 1. $-\frac{1}{3}$

X 3.
$$\frac{1}{3}$$

Question ID: 7518976607 Option 1 ID: 75189726426 Option 2 ID: 75189726428 Option 3 ID: 75189726425 Option 4 ID: 75189726427 Status: Answered

Chosen Option: 1

Q.71 Refer to the following number, symbol series and answer the question.

7 4 & @ 3 4 % @ \$ 4 @ 3 4 % 4 \$ 5 * @ 4 3 4 5 * 3

How many 4s are there that are immediately followed by a symbol?

Ans X 1. Nine

X 2. Seven

X 4. Three

Question ID: 7518978265 Option 1 ID: 75189733059 Option 2 ID: 75189733057 Option 3 ID: 75189733058 Option 4 ID: 75189733060

Status: Answered

Chosen Option: 3

Q.72 India is a member of the General Agreement on Tariffs and Trade (GATT) since

Ans X 1. 1962

√ 2. 1948

X 3. 1990

X 4. 1985

Question ID: 7518974253

Option 1 ID: 75189717010

Option 2 ID: 75189717009

Option 3 ID: 75189717012

Option 4 ID: 75189717011

Status: Answered



Q.73 Five persons, P, Q, R, S and T travelled in different months of the same year viz. January, February, March, April and

Q travelled in February. Only one person travelled between Q and P. Only three people travelled between T and R. R travelled in a month after P. Who among them travelled in May?

Ans X 1. S

X 2. P

X 3. T

√ 4. R

Question ID: 7518978191

Option 1 ID: 75189732762

Option 2 ID: 75189732761 Option 3 ID: 75189732763

Option 4 ID: 75189732764

Status : Answered

Chosen Option: 4

Q.74 The Constitution divided the powers between the Centre and the States in the terms of _ lists.

Ans X 1. 4

√ 2. 3

X 3. 2

X 4. 5

Question ID: 7518977560

Option 1 ID: 75189730239

Option 2 ID: 75189730238

Option 3 ID: 75189730237

Option 4 ID: 75189730240 Status: Answered

Chosen Option: 2

Q.75 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.

LAPTOP: QPUQBM:: MOBILE: FMJCPN:: DEVICE:?

Ans ✓ 1. FDJWFE

× 2. FDJFEW

X 3. FDJFFW

X 4. EFWJDF

Question ID: 7518977703

Option 1 ID: 75189730810

Option 2 ID: 75189730811

Option 3 ID: 75189730812

Option 4 ID: 75189730809

Status: Answered



Q.76 What kind of resources are the fossil fuels coal and petroleum?

Ans X 1. Inexhaustible

✓ 2. Exhaustible and non-renewable

X 3. Exhaustible and renewable

X 4. Renewable

Question ID : 7518974691 Option 1 ID : 75189718763 Option 2 ID : 75189718762 Option 3 ID : 75189718761 Option 4 ID : 75189718764

Status : Answered

Chosen Option : 2

Q.77 Which of the following is a public sector bank in India?

Ans X 1. Tamilnad Mercantile Bank

✓ 2. Indian Overseas Bank

X 3. Bandhan Bank

X 4. IndusInd Bank

Question ID : 7518977507

Option 1 ID : **75189730026** Option 2 ID : **75189730027** Option 3 ID : **75189730028**

Option 4 ID : **75189730025** Status : **Answered**

Chosen Option: 2

Q.78 If

'-' means '+',

'+' means 'x',

'+' stands for '-' and

'x' means '+',

then which of the following equations is correct?

Ans \times 1. $20 + 3 - 9 \div 5 \times 2 = 20$

 \checkmark 2. $20 - 3 + 9 \times 5 \div 2 = 63$

 \times 3. $20 \times 3 \div 9 - 5 + 2 = 32$

 \times 4. 20 ÷ 3 × 9 + 5 – 2 = 50

Question ID: 7518978080

Option 1 ID: 75189732317

Option 2 ID: **75189732318**

Option 3 ID: 75189732319

Option 4 ID: **75189732320**

Status : Not Answered



Q.79 A certain number of people are sitting in a row, facing the north. R sits third to the left of P. Q sits fourth to the right of P. Only two persons sit between Q and T. If no other person is sitting in the row, what is the total number of persons seated?

Ans X 1. 12

✓ 2. 11

X 3. 15

X 4. 13

Question ID : 7518977311
Option 1 ID : 75189729242
Option 2 ID : 75189729243
Option 3 ID : 75189729244
Option 4 ID : 75189729241

Status: Not Answered

Chosen Option : --

Q.80 In this question, a group of letters is coded using letters/symbols as per the table given below, and the conditions that follow. The correct combination of codes following the conditions is your answer.

Letter/Symbols	0	Е	R	L	A	V	&	\$	@
Code	7	6	1	4	8	2	3	5	9

Condition 1: If a word starts with a vowel but ends with a consonant then codes for first and last letter to be reversed.

Condition 2: If there are more than two vowels in a word, then first vowel is to be coded as 1, second vowel as 2 and so

on.

Condition 3: If a word starts with a consonant and also ends with a consonant then vowels are to be coded after coding all the consonants.

What is the code for "ALOEVERA"?

Ans X 1. 84232615

√ 2. 14232415

X 3. 14762618

× 4. 84762618



Question ID: 7518979017 Option 1 ID: 75189736065 Option 2 ID: 75189736068 Option 3 ID: 75189736066

Option 3 ID : **75**1897**3**6066 Option 4 ID : **75**1897**3**6067 Status : **Not Answered**

Chosen Option : --

Q.81
$$\frac{(1+\cot\theta-\csc\theta)(1+\tan\theta+\sec\theta)(\sec^2\theta)}{(\sec\theta-\cos\theta)(\cot\theta+\tan\theta)} \ , \ 0^\circ < \theta < 90^\circ, \ is \ equal \ to:$$

Ans \times 1. 2 sec θ

√ 2. 2 cosec θ

 \times 3. $\sin \theta$

 \times 4. cos θ

Question ID: **7518978482**Option 1 ID: **75189733927**Option 2 ID: **75189733928**

Option 3 ID : **75189733926** Option 4 ID : **75189733925**

Status: Not Answered





Q.82 When a number is divided by 15, the reminder is 9. What will be the remainder when the same number is divided by 5?

Ans X 1. 2

X 2. 3

X 3. 1

√ 4. 4

Question ID: 7518976030

Option 1 ID: 75189724119

Option 2 ID: **75189724120**

Option 3 ID: 75189724117 Option 4 ID: 75189724118

Status: Answered

Chosen Option: 4

Q.83 Which disease in human beings is caused by UV radiation from the Sun?

Ans

✗ 1. Smallpox

✓ 2. Skin cancer

X 3. Parkinson's disease

X 4. Pneumonia

Question ID: 7518977860

Option 1 ID: 75189731438

Option 2 ID: 75189731437

Option 3 ID: 75189731439 Option 4 ID: 75189731440

Status: Answered

Chosen Option: 2

Q.84 The position of how many letters will remain unchanged if each of the letters in the word AMBUSHED is arranged in the reverse alphabetical order?

Ans X 1. Two

✓ 2. zero

X 3. Three

X 4. One

Question ID: 7518977966

Option 1 ID: 75189731863

Option 2 ID: 75189731861

Option 3 ID: 75189731864

Option 4 ID: 75189731862

Status: Answered





Q.85 Which of the following festivals is celebrated in the month of January every year?

Ans X 1. Ugadi

× 2. Onam

X 3. Gudi Padwa

4. Pongal

Question ID: 7518974177 Option 1 ID: 75189716706 Option 2 ID: 75189716708

Option 4 ID: 75189716705

Q.86 Read the given statements and conclusions carefully and decide which of the given conclusions logically follow(s) from the statements.

Statements:

In a race,

- 1. G is behind L who is behind D.
- 2. D is ahead of G who is ahead of R.
- 3. F is not behind V who is ahead of R.

Conclusions:

- I. V is behind D.
- II. F is ahead of R.
- III. D is ahead of R.

Ans

- X 1 Conclusion III follows
- ✓ 2. Conclusions II and III follow
- X 3. Conclusions I and III follow
- X 4. Conclusions I and II follow

Option 3 ID: 75189716707

Status: Answered

Chosen Option: 3

Question ID: 7518977950 Option 1 ID: 75189731799 Option 2 ID: 75189731800 Option 3 ID: 75189731798 Option 4 ID: 75189731797

Status: Not Answered

Chosen Option : --





Q.87

In January 2022, who launched NIPER Research Portal?

Ans

- X 1. Amit Shah
- X 2. Narendra Modi
- 3. Mansukh Mandaviya
- Y 4. Piyush Goyal

Question ID : 7518973782
Option 1 ID : 75189715127
Option 2 ID : 75189715125
Option 3 ID : 75189715126
Option 4 ID : 75189715128
Status : Answered

Chosen Option : 1

Q.88 If the product of two numbers is 8410 and their HCF is 29, then their LCM is:

Ans X 1. 330

2. 290

X 3. 270

X 4. 310

Question ID : **7518976255** Option 1 ID : **75189725020**

Option 2 ID : **75189725018** Option 3 ID : **75189725019**

Option 4 ID : **75189725017**

Status : Answered Chosen Option : 2

Q.89 T, U, V, W, X, Y, Z and A are sitting in a straight row, facing north. Only Z sits between T and V. A sits at the extreme left end of the row. Only three people sit between Z and Y. Only X sits between V and W. T sits to the immediate right of U. Who sits to the immediate right of A?

Ans

√ 1. U

X 2. W

X 3. Z

X 4. T

Question ID : 7518977586

Option 1 ID: 75189730344

Option 2 ID : **75189730341** Option 3 ID : **75189730343**

Option 4 ID: **75189730342**

Status : **Not Answered**Chosen Option : --



Toothpaste is generally _____ in nature.

Ans X 1. acidic

× 2. harmful

× 3. neutral

√ 4. basic

Question ID: **7518973468** Option 1 ID: 75189713869 Option 2 ID: 75189713871 Option 3 ID: **75189713872** Option 4 ID: 75189713870

Status: Answered

Chosen Option: 4

Q.91 What did Mendel discover about the factors that influence heredity?

A pair of factors in sexually reproducing organisms defines their characteristics.

X 2. Self-fertilisation shows paternal traits only.

× 3. Traits are expressed due to production of hormones.

All offspring in one generation appear like only one of the parents.

Question ID: 7518974439

Option 1 ID: 75189717756

Option 2 ID: **75189717753**

Option 3 ID: 75189717754 Option 4 ID: 75189717755

Status: Answered

Chosen Option: 4

Q.92 What is the median of the following data?

41, 32, 50, 28, 35, 19, 27, 31, 45, 16, 34, 37

Ans X 1. 33.5

√ 2. **33**

X 3. 34

X 4. 32.5

Question ID: 7518978421

Option 1 ID: **75189733683**

Option 2 ID: **75189733682**

Option 3 ID: **75189733684**

Option 4 ID: 75189733681

Status: Not Answered

Q.93 Three statements are followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they do not conform to real world knowledge, decide which of the given conclusions/possibilities can be true on the basis of the statements.

Statements:

- All sparrows are birds.
- Some birds are animals.
- All dogs are animals.

Conclusions:

- Some dogs are sparrows.
- II. All animals are birds is a possibility.
- III. Some animals are sparrows.

Ans

- Only conclusion I and II are true
- ✓ 2. Only conclusion II is true
- Only conclusion III is true
- × 4. Only conclusion I is true

Question ID : 7518978202 Option 1 ID : 75189732808 Option 2 ID : 75189732806 Option 3 ID : 75189732807

Option 4 ID : **75189732805**Status : **Answered**

Chosen Option: 3

Q.94 Vamsi's father is 60 years old. He is 20 years older than twice Vamsi's age. Find Vamsi's age.

Ans

- √ 1. 20 years
- × 2. 30 years
- × 3. 25 years
- × 4. 15 years



Question ID: 7518976150

Option 1 ID : **75189724597** Option 2 ID : **75189724600**

Option 3 ID: **75189724598** Option 4 ID: **75189724599**

Status : Answered

Chosen Option: 1

Q.95 If
$$4^x - 4^{x-1} = 24$$
, then the value of $\frac{2x-1}{2x+3}$ is:

Ans

- **X** 1. =
- X 2. 3
- **√** 3. $\frac{1}{2}$
- \times 4. $\frac{1}{3}$

Question ID : 7518978348

Option 1 ID: 75189733391

Option 2 ID : **75189733392**

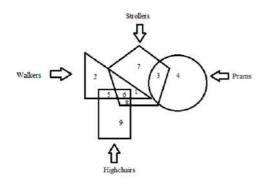
Option 3 ID: 75189733390

Option 4 ID: 75189733389

Status : Answered



Q.96 Study the given diagram carefully and answer the question. The numbers in different sections indicate the number of things.



How many such walkers are there that are also highchairs but NEITHER prams NOR strollers?

Ans × 1. 8

√ 2. 5

X 3. 6

X 4. 9

Question ID: 7518977319

Option 1 ID: 75189729276 Option 2 ID: 75189729273 Option 3 ID: 75189729274 Option 4 ID: 75189729275

Status: Answered Chosen Option: 2

Q.97 Which city of India will host the 2023 International Olympic Committee Session?

X 1 Guwahati

× 2. Shimla

X 4. Chennai

Question ID: 7518976473 Option 1 ID: 75189725892 Option 2 ID: 75189725890

Option 3 ID: 75189725891 Option 4 ID: 75189725889 Status: Answered

Chosen Option: 1

Q.98 An object, 2.0 cm in height, is placed at a distance of 6.0 cm in front of a concave mirror of focal length 8.0 cm, on its principal axis. Its image has a height of ___

Ans × 1. more than 2.0 cm, inverted

X 3. less than 2.0 cm, erect

★ 4. less than 2.0 cm, inverted

Question ID: 7518976586

Option 1 ID: 75189726344 Option 2 ID: 75189726342

Option 3 ID: 75189726341 Option 4 ID: 75189726343

Status: Answered





Q.99 Study the given table and answer the question that follows.

The table presents the total expenditure made by a company under different heads during the years 2016 to 2022.

Espenditure												
Raw Material	Transport	Salary	Establishments	Tax								
789	123	122	987	97								
786	112	132	789	98								
798	109	189	678	112								
879	101	196	897	134								
987	98	199	876	141								
890	95	173	766	108								
908	78	166	567	111								
	789 786 798 879 987	789 123 786 112 798 109 879 101 987 98 890 95	789 123 122 786 112 132 798 169 189 879 101 196 987 98 199 890 95 173	789 123 122 987 786 112 132 789 798 109 189 678 879 101 196 897 987 98 199 876 890 95 173 768								

The total expenditure of the company in 2020 was approximately what per cent of the total expenditure in 2022?

Ans X 1. 93%

× 2. 82%

3. 89%

× 4. 95%

Question ID: 7518978099

Option 1 ID: 75189732394 Option 2 ID: 75189732393

Option 3 ID: 75189732395

Option 4 ID: 75189732396

Status: Not Answered

Chosen Option: --

Q.100 Six children, F, G, H, I, J and K, were examined for intelligence and were given marks according to their performance in the test. Each child scored different marks. H scored more than J. H scored less than G and K. J scored less than I. F scored more than G. Who among the six children scored the least?

Ans X 1. H

✓ 2. J

X 3. K

X 4. I

Question ID: 7518974967

Option 1 ID: 75189719866

Option 2 ID: 75189719868

Option 3 ID: 75189719865

Option 4 ID: 75189719867

Status: Answered

Chosen Option: 2

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