



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 Bhagwanpur
Test Date	20/09/2022
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

Q.1 If the focal length of a spherical mirror increases to double, then the radius of curvature of the mirror will:

- Ans ☒ 1. increase to double
☒ 2. remain the same
☒ 3. increase to four times
☒ 4. decrease to half

Question ID : 7518979484

Option 1 ID : 75189737934

Option 2 ID : 75189737933

Option 3 ID : 75189737936

Option 4 ID : 75189737935

Status : Answered

Chosen Option : 1

Q.2 Which of the following organisations in India advises people how to save petrol/diesel while driving?

- Ans ☒ 1. ACRP
☒ 2. PRCA
☒ 3. PARC
☒ 4. PCRA

Question ID : 75189710290

Option 1 ID : 75189741159

Option 2 ID : 75189741158

Option 3 ID : 75189741160

Option 4 ID : 75189741157

Status : Not Answered

Chosen Option : --

Q.3 The ratio of the present ages of Shinjan and Aanya is 3 : 4. After 10 years this ratio will become 5 : 6. The present age (in years) of Aanya is:

- Ans
- ☒ 1. 60
 - ☒ 2. 20
 - ☒ 3. 18
 - ☒ 4. 65

Question ID : 75189711737

Option 1 ID : 75189746946

Option 2 ID : 75189746947

Option 3 ID : 75189746945

Option 4 ID : 75189746948

Status : Answered

Chosen Option : 2

Q.4 In a rectangle PQRS, if $m\angle QPR = 26^\circ$, then $m\angle SQR =$ _____.

- Ans
- ☒ 1. 64°
 - ☒ 2. 74°
 - ☒ 3. 26°
 - ☒ 4. 52°

Question ID : 75189711992

Option 1 ID : 75189747967

Option 2 ID : 75189747968

Option 3 ID : 75189747965

Option 4 ID : 75189747966

Status : Answered

Chosen Option : 1

Q.5 Which nitrogenous waste produced in the body is removed by the human kidney?

- Ans
- ☒ 1. Only ammonia
 - ☒ 2. Ammonia and uric acid
 - ☒ 3. Urea and ammonia
 - ☒ 4. Urea and uric acid

Question ID : 7518974602

Option 1 ID : 75189718407

Option 2 ID : 75189718408

Option 3 ID : 75189718406

Option 4 ID : 75189718405

Status : Answered

Chosen Option : 2

Q.6 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.

81 : 49 :: 36 : 16 :: 64 :: ?

- Ans
- ☒ 1. 49
 - ☒ 2. 25
 - ☒ 3. 32
 - ☒ 4. 36

Question ID : 75189710924

Option 1 ID : 75189743696

Option 2 ID : 75189743695

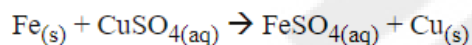
Option 3 ID : 75189743693

Option 4 ID : 75189743694

Status : Answered

Chosen Option : 4

Q.7 Which of the following explanations regarding the given reaction is correct?



- Ans
- ☒ 1. Iron displaces copper because iron is less reactive than copper.
 - ☒ 2. Iron displaces copper because the atomic number of iron is less than copper.
 - ☒ 3. Iron displaces copper because iron is more reactive than copper.
 - ☒ 4. Iron displaces copper because the atomic mass of iron is less than copper.

Question ID : 75189711873

Option 1 ID : 75189747492

Option 2 ID : 75189747490

Option 3 ID : 75189747489

Option 4 ID : 75189747491

Status : Answered

Chosen Option : 3

Q.8 The reproductive parts of a flower are:

- Ans
- ☒ 1. stamens and pistil
 - ☒ 2. stamens and petals
 - ☒ 3. pistil and sepals
 - ☒ 4. sepals and petals

Question ID : 75189710254

Option 1 ID : 75189741014

Option 2 ID : 75189741015

Option 3 ID : 75189741016

Option 4 ID : 75189741013

Status : Answered

Chosen Option : 4

Q.9 Which of the following functions is NOT a part of District Administration?

- Ans** ☒ 1. Postal Services
☐ 2. Rural Development
☐ 3. Civil Justice
☐ 4. Revenue Collection

Question ID : 75189712173

Option 1 ID : 75189748689

Option 2 ID : 75189748691

Option 3 ID : 75189748692

Option 4 ID : 75189748690

Status : Answered

Chosen Option : 1

Q.10 Bina and Neena together weave one dozen sweaters in 8 days working for 10 hours per day. If they have to finish the work in 5 days, for how many hours should they work per day?

- Ans** ☐ 1. 12
☐ 2. 14
☒ 3. 16
☐ 4. 11

Question ID : 75189712046

Option 1 ID : 75189748182

Option 2 ID : 75189748183

Option 3 ID : 75189748181

Option 4 ID : 75189748184

Status : Answered

Chosen Option : 3

Q.11 A compound with molecular formula C_3H_4 belongs to the homologous series of _____.

- Ans** ☐ 1. alkene only
☐ 2. alcohol
☐ 3. alkane only
☒ 4. alkyne only

Question ID : 75189711857

Option 1 ID : 75189747426

Option 2 ID : 75189747428

Option 3 ID : 75189747425

Option 4 ID : 75189747427

Status : Answered

Chosen Option : 1

Q.12 Which academic institution in India has installed the most powerful supercomputer in the country named as Param Pravega, the supercomputer is also the largest in an Indian academic institution as on February 2022?

Ans ✓ 1. Indian Institute of Science (IISc)-Bengaluru

✗ 2.

Inter-University Centre for Astronomy and Astrophysics(IUCAA)-Pune

✗ 3. Indian Institute of Technology-Delhi

✗ 4.

Indian Institutes of Science Education and Research(IISER)-Tirupati

Question ID : 7518977442

Option 1 ID : 75189729766

Option 2 ID : 75189729767

Option 3 ID : 75189729765

Option 4 ID : 75189729768

Status : Not Answered

Chosen Option : --

Q.13 Which of the following Ministries of India released draft National Air Sports Policy, 2022 (NASP) for public comments?

Ans ✗ 1. Ministry of Education

✓ 2. Ministry of Civil Aviation

✗ 3. Ministry of Youth Affairs and Sports

✗ 4. Ministry of Culture

Question ID : 75189710513

Option 1 ID : 75189742052

Option 2 ID : 75189742049

Option 3 ID : 75189742050

Option 4 ID : 75189742051

Status : Answered

Chosen Option : 2

Q.14 Refer to the following number series and answer the question.

7 2 9 6 3 7 3 9 7 7 3 9 7 3 2 2 1 3 3 9 3 7 3 9 3 9

How many 3s are there that are immediately preceded by 7 and immediately followed by 9?

Ans ✗ 1. Five

✗ 2. Two

✗ 3. Four

✓ 4. Three

Question ID : 7518978259

Option 1 ID : 75189733033

Option 2 ID : 75189733034

Option 3 ID : 75189733036

Option 4 ID : 75189733035

Status : Answered

Chosen Option : 4

Q.15 First find the median of 46, 64, 87, 41, 58, 77, 35, 90, 55, 92, and 33. If 92 is replaced with 99 and 41 is replaced with 43 in the data, then find the new median. What is the difference between the old median and the new median?

- Ans
- ☐ 1. 2
 - ☐ 2. 3
 - ☒ 3. 0
 - ☐ 4. 6

Question ID : 75189711769

Option 1 ID : 75189747075

Option 2 ID : 75189747074

Option 3 ID : 75189747076

Option 4 ID : 75189747073

Status : Answered

Chosen Option : 3

Q.16 Arindam purchased a coat for ₹2,100 after getting a discount of 20% and but then paying GST at a rate of 5% on the discounted price. Find the marked price of the coat.

- Ans
- ☐ 1. ₹2,490
 - ☐ 2. ₹2,480
 - ☐ 3. ₹2,520
 - ☒ 4. ₹2,500

Question ID : 75189711754

Option 1 ID : 75189747013

Option 2 ID : 75189747015

Option 3 ID : 75189747014

Option 4 ID : 75189747016

Status : Answered

Chosen Option : 4

Q.17 Which of the following is a hydrate of sodium carbonate containing ten molecules of water of crystallisation?

- Ans
- ☐ 1. Bleaching powder
 - ☐ 2. Baking soda
 - ☒ 3. Washing soda
 - ☐ 4. Baking powder

Question ID : 75189711906

Option 1 ID : 75189747624

Option 2 ID : 75189747621

Option 3 ID : 75189747623

Option 4 ID : 75189747622

Status : Answered

Chosen Option : 2

Q.18 Each side of an equilateral triangle is 6 cm long. What is its area (in cm^2)?

- Ans
- ✓ 1. $9\sqrt{3}$
 - ✗ 2. $6\sqrt{3}$
 - ✗ 3. 210
 - ✗ 4. $21\sqrt{3}$

Question ID : 75189711979

Option 1 ID : 75189747916

Option 2 ID : 75189747914

Option 3 ID : 75189747913

Option 4 ID : 75189747915

Status : Answered

Chosen Option : 1

Q.19 Under which ministry was Tele Counselling through SAMVEDNA started for children impacted by the Covid-19 pandemic in India in 2021?

- Ans
- ✗ 1. Ministry of Ayush
 - ✓ 2. Ministry of Women and Child Development
 - ✗ 3. Ministry of Education
 - ✗ 4. Ministry of Health

Question ID : 7518974161

Option 1 ID : 75189716644

Option 2 ID : 75189716641

Option 3 ID : 75189716643

Option 4 ID : 75189716642

Status : Not Answered

Chosen Option : --

Q.20 Which of the following reactions produces water insoluble salts?

- Ans
- ✗ 1. Addition reaction
 - ✗ 2. Catalytic reaction
 - ✓ 3. Precipitation reaction
 - ✗ 4. Displacement reaction

Question ID : 75189710345

Option 1 ID : 75189741377

Option 2 ID : 75189741379

Option 3 ID : 75189741380

Option 4 ID : 75189741378

Status : Not Answered

Chosen Option : --

Q.21 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.

ADJUST : BEKWUV :: BACKED : CBDMGF :: PACKUP : ?

- Ans**
- ☒ 1. QBDMWS
 - ☒ 2. QBDMWR
 - ☒ 3. QBDMWQ
 - ☒ 4. QBDMVR

Question ID : 7518978027

Option 1 ID : 75189732106

Option 2 ID : 75189732107

Option 3 ID : 75189732105

Option 4 ID : 75189732108

Status : Answered

Chosen Option : 2

Q.22 Three statements are given, followed by four conclusions numbered I, II, III and IV. 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:

All carpets are scholars.

All scholars are trip advisors.

No hat is a trip advisor.

Conclusions:

I. No trip advisor is a scholar.

II. All carpets are trip advisors.

III. Some trip advisors are scholars.

IV. No carpet is a hat.

- Ans**
- ☒ 1. Only conclusion I follows.
 - ☒ 2. Only conclusion I and II follow.
 - ☒ 3. Only conclusions II, III and IV follow.
 - ☒ 4. All the conclusions follow.

Question ID : 75189711468

Option 1 ID : 75189745869

Option 2 ID : 75189745870

Option 3 ID : 75189745871

Option 4 ID : 75189745872

Status : Answered

Chosen Option : 3

Q.23 A certain number of class I students are sitting in a row on their graduation day, facing north. Ruchi is ninth to the right of Pranavi. No student is to the left of Pranavi. Tanya is fifth to the right of Ruchi. Vipanchi is seventh to the right of Tanya. If no other student is sitting in the row, what is the total number of students seated?

- Ans
- ☒ 1. 22
 - ☐ 2. 21
 - ☐ 3. 20
 - ☐ 4. 19

Question ID : 75189711463

Option 1 ID : 75189745852

Option 2 ID : 75189745851

Option 3 ID : 75189745850

Option 4 ID : 75189745849

Status : Answered

Chosen Option : 2

Q.24 Suppose in a circuit, a silver wire of length L and cross-sectional area A is replaced by an aluminium wire of length $5L$ and cross-sectional area $9A$. The resistance of the circuit will _____.

(Given that $\rho_{\text{silver}} = 1.6 \times 10^{-8} \Omega \text{ m}$ and $\rho_{\text{aluminium}} = 2.6 \times 10^{-8} \Omega \text{ m}$)

- Ans
- ☐ 1. increase to 1.1 times of itself
 - ☐ 2. increase to 1.2 times of itself
 - ☒ 3. decrease to 0.9 times of itself
 - ☐ 4. decrease to 0.8 times of itself

Question ID : 75189711328

Option 1 ID : 75189745309

Option 2 ID : 75189745310

Option 3 ID : 75189745311

Option 4 ID : 75189745312

Status : Answered

Chosen Option : 1

Q.25 Each of the six professors of same department, Jayanth, Kiran, Lasya, Mythili, Nischal and Omprakash, have their classes on six different days of a week, starting from Monday and ending on Saturday of the same week, but not necessarily in the same order. Only two professors have classes before Mythili's class. Jayanth has the class on Tuesday and Omprakash has the class on Saturday. Only one professor has the class after the class of Kiran. The class of Nischal is not on any of the days between the classes of Kiran and Mythili.

Who among the following has the class on Monday?

- Ans
- ☐ 1. Lasya
 - ☐ 2. Kiran
 - ☒ 3. Nischal
 - ☐ 4. Mythili

Question ID : 75189711446

Option 1 ID : 75189745784

Option 2 ID : 75189745781

Option 3 ID : 75189745782

Option 4 ID : 75189745783

Status : Answered

Chosen Option : 3

Q.26 Which of the following statements about the gradation of boiling point in a homologous series is correct?

Ans ✓ 1.

The boiling points increase with increasing molecular mass.

✗ 2. The boiling point does not depend on molecular mass.

✗ 3.

The boiling points increase with decreasing molecular mass.

✗ 4.

The boiling points decrease with increasing molecular mass.

Question ID : 75189711852

Option 1 ID : 75189747405

Option 2 ID : 75189747407

Option 3 ID : 75189747408

Option 4 ID : 75189747406

Status : Not Answered

Chosen Option : --

Q.27 Which of the following is an example of revenue expenditure?

Ans ✗ 1. Repayment of loans by the government

✗ 2. Construction of hospitals and school buildings

✗ 3. Financial help given to other country as loan

✓ 4. Salaries of government employees

Question ID : 7518978879

Option 1 ID : 75189735515

Option 2 ID : 75189735514

Option 3 ID : 75189735513

Option 4 ID : 75189735516

Status : Answered

Chosen Option : 4

Q.28 Which of the following rivers flows into India from Nepal?

Ans ✓ 1. Karnali

✗ 2. Dhauliganga

✗ 3. Son

✗ 4. Bhilangana

Question ID : 75189712157

Option 1 ID : 75189748627

Option 2 ID : 75189748626

Option 3 ID : 75189748625

Option 4 ID : 75189748628

Status : Answered

Chosen Option : 1

Q.29 The marked price of an article is ₹7,200. Two successive discounts of 9% and 15% are offered. Find the selling price of the article.

- Ans
- ☒ 1. ₹5,472.00
 - ☒ 2. ₹5,569.20
 - ☒ 3. ₹6,400.00
 - ☒ 4. ₹5,600.00

Question ID : 75189712042

Option 1 ID : 75189748165

Option 2 ID : 75189748167

Option 3 ID : 75189748166

Option 4 ID : 75189748168

Status : Answered

Chosen Option : 2

Q.30 What type of nutrition is observed in mushrooms?

- Ans
- ☒ 1. Chemotrophic
 - ☒ 2. Saprotrophic
 - ☒ 3. Symbiotic
 - ☒ 4. Autotrophic

Question ID : 7518974324

Option 1 ID : 75189717295

Option 2 ID : 75189717294

Option 3 ID : 75189717296

Option 4 ID : 75189717293

Status : Not Answered

Chosen Option : --

Q.31 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:

All eggs are millets.

All millets are balloons.

All balloons are prisoners.

Conclusions:

I. All balloons are eggs.

II. Some prisoners are millets.

III. All prisoners are balloons.

- Ans** ☒ 1. All the conclusions follow.
☒ 2. Only conclusion II follows.
☒ 3. Only conclusion I follows.
☒ 4. Only conclusion III follows.

Question ID : 75189711470

Option 1 ID : 75189745880

Option 2 ID : 75189745879

Option 3 ID : 75189745877

Option 4 ID : 75189745878

Status : Answered

Chosen Option : 2

Q.32 If 2 is added to each odd digit and 1 is subtracted from each even digit in the number 5317846, what will be the sum of the digits which are second from the left and second from the right, in the number thus formed?

- Ans** ☒ 1. 12
☒ 2. 8
☒ 3. 10
☒ 4. 11

Question ID : 75189710943

Option 1 ID : 75189743772

Option 2 ID : 75189743769

Option 3 ID : 75189743770

Option 4 ID : 75189743771

Status : Answered

Chosen Option : 2

Q.33 A statement is followed by two conclusions. Find out which conclusion is true based on the given statement.

Statement:

$$H > L \geq M \geq N > O \leq P \leq Q$$

Conclusions:

I. $L > P$

II. $M \leq Q$

- Ans**
- ☒ 1. Both conclusions I and II are true
 - ☒ 2. Only conclusion II is true
 - ☒ 3. Neither conclusion I nor II is true
 - ☒ 4. Only conclusion I is true

Question ID : 75189711507

Option 1 ID : 75189746028

Option 2 ID : 75189746026

Option 3 ID : 75189746027

Option 4 ID : 75189746025

Status : Answered

Chosen Option : 3

Q.34 Let r be the greatest number which when divides 41, 71 and 91 leaves the same remainder. Find the LCM of r and 45.

- Ans**
- ☒ 1. 45
 - ☒ 2. 90
 - ☒ 3. 75
 - ☒ 4. 10

Question ID : 75189712018

Option 1 ID : 75189748069

Option 2 ID : 75189748070

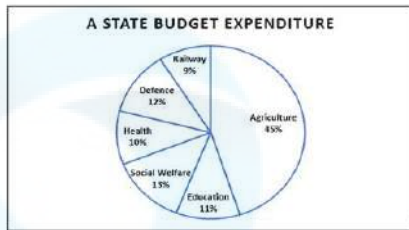
Option 3 ID : 75189748072

Option 4 ID : 75189748071

Status : Answered

Chosen Option : 2

Q.35 The following pie chart represents the percentage distribution of expenditure of a state's budget. Study the pie chart and answer the question that follows.



Approximately how many degrees should be there in the central angle of the sector for agriculture expenditure?

- Ans
- ☒ 1. 142°
 - ☒ 2. 152°
 - ☒ 3. 162°
 - ☒ 4. 172°

Question ID : 75189711408

Option 1 ID : 75189745629

Option 2 ID : 75189745630

Option 3 ID : 75189745631

Option 4 ID : 75189745632

Status : Answered

Chosen Option : 3

Q.36 The birth centenary of which famous Indian hockey captain was celebrated on 2 February 2022?

- Ans
- ☒ 1. Balbir Singh Dosanjh
 - ☒ 2. Kunwar Digvijay Singh 'Babu'
 - ☒ 3. Major Dhyan Chand
 - ☒ 4. Leslie Claudius

Question ID : 75189712119

Option 1 ID : 75189748474

Option 2 ID : 75189748475

Option 3 ID : 75189748473

Option 4 ID : 75189748476

Status : Not Answered

Chosen Option : --

Q.37 Rohini walked for 2 kilometres on a straight road, facing North. Then she took a right turn and walked for 1 kilometre. Then she again took a right turn and walked 2 kilometres. In which direction is she facing now? (All turns are 90 degree turns only)

- Ans
- ✓ 1. South
 - ✗ 2. East
 - ✗ 3. West
 - ✗ 4. North

Question ID : 75189711416

Option 1 ID : 75189745662

Option 2 ID : 75189745663

Option 3 ID : 75189745664

Option 4 ID : 75189745661

Status : Answered

Chosen Option : 1

Q.38 If $x = a \sec^n \theta$, $y = b \tan^n \theta$, then:

- Ans
- ✓ 1. $\left(\frac{x}{a}\right)^{2/n} - \left(\frac{y}{b}\right)^{\frac{2}{n}} = 1$
 - ✗ 2. $\left(\frac{x}{a}\right)^{2/n} + \left(\frac{y}{b}\right)^{\frac{2}{n}} = 1$
 - ✗ 3. $\left(\frac{a}{x}\right)^{2/n} - \left(\frac{b}{y}\right)^{\frac{2}{n}} = 1$
 - ✗ 4. $\left(\frac{a}{x}\right)^{2/n} + \left(\frac{b}{y}\right)^{\frac{2}{n}} = 1$

Question ID : 75189711833

Option 1 ID : 75189747329

Option 2 ID : 75189747331

Option 3 ID : 75189747330

Option 4 ID : 75189747332

Status : Answered

Chosen Option : 1

Q.39 If each vowel in the word 'SCIENCE' is changed to the letter preceding it in the English alphabetical order and each consonant is changed to the letter following it in the English alphabetical order, which letter will occur maximum times in the newly formed word?

- Ans
- ✗ 1. O
 - ✗ 2. H
 - ✓ 3. D
 - ✗ 4. T

Question ID : 7518979747

Option 1 ID : 75189738987

Option 2 ID : 75189738986

Option 3 ID : 75189738988

Option 4 ID : 75189738985

Status : Answered

Chosen Option : 3

Q.40 The positive root of $4x^2 - 1 = 0$ is:

- Ans
- ✓ 1. $\frac{1}{2}$
 - ✗ 2. $\frac{1}{4}$
 - ✗ 3. 1
 - ✗ 4. 2

Question ID : 75189710709

Option 1 ID : 75189742835

Option 2 ID : 75189742834

Option 3 ID : 75189742836

Option 4 ID : 75189742833

Status : Answered

Chosen Option : 1

Q.41 Refer to the following letter series and answer the question.

(Left) J B I S O E Z I L U B O P A R D I H O M A K O (Right)

How many such consonants are there, each of which is immediately preceded by a vowel and also immediately followed by a vowel?

- Ans
- ✗ 1. Six
 - ✗ 2. Three
 - ✗ 3. Four
 - ✓ 4. Eight

Question ID : 75189711539

Option 1 ID : 75189746154

Option 2 ID : 75189746155

Option 3 ID : 75189746156

Option 4 ID : 75189746153

Status : Answered

Chosen Option : 4

Q.42 What is the trend for the atomic number while moving across a period in the modern periodic table?

- Ans
- ✗ 1. The atomic number decreases by one unit.
 - ✗ 2. The atomic number increases by two units.
 - ✗ 3. The mass number increases by one unit.
 - ✓ 4. The atomic number increases by one unit.

Question ID : 75189711939

Option 1 ID : 75189747756

Option 2 ID : 75189747755

Option 3 ID : 75189747754

Option 4 ID : 75189747753

Status : Answered

Chosen Option : 4

Q.43 Study the given table and answer the question that follows.

The table show the percentage of marks obtained by a candidate in five subjects and the weightage given to the subjects, in an examination.

Subject	English	Hindi	Maths	Social Studies	Science
Marks	90	92	93	78	86
Percentage					
Weightage to subjects	2	2	3	1	2

Find the difference between the weighted average and the average if all subjects had equal weightage.

- Ans** ☒ 1. 1.5%
☐ 2. 2%
☐ 3. 1%
☐ 4. 0.5%

Question ID : 75189711763

Option 1 ID : 75189747051

Option 2 ID : 75189747049

Option 3 ID : 75189747050

Option 4 ID : 75189747052

Status : Answered

Chosen Option : 1

Q.44

If $\sqrt{21} = 4.58$, then the value of $\sqrt[3]{\frac{7}{3}}$, correct to 3 decimal places, is:

- Ans** ☐ 1. 1.520
☐ 2. 1.521
☐ 3. 1.523
☒ 4. 1.527

Question ID : 75189711714

Option 1 ID : 75189746853

Option 2 ID : 75189746854

Option 3 ID : 75189746855

Option 4 ID : 75189746856

Status : Answered

Chosen Option : 4

Q.45 Which of the following statements is correct?

- Ans
- ☐ 1. Plastics and paper are biodegradable.
 - ☐ 2. Plastic cannot be recycled.
 - ☐ 3. Paper cannot be recycled.
 - ☒ 4. Paper is biodegradable.

Question ID : 7518977869

Option 1 ID : 75189731473

Option 2 ID : 75189731474

Option 3 ID : 75189731476

Option 4 ID : 75189731475

Status : Answered

Chosen Option : 4

Q.46 Select the option that represents the letters that, when placed from left to right in the same sequence in the blanks below, will complete the letter series.

D _ B _ A _ C _ _ G F _ E _ _ H

- Ans
- ☐ 1. CABDEFGH
 - ☐ 2. BACDEFGH
 - ☒ 3. CABDHEFG
 - ☐ 4. BACDHEFG

Question ID : 7518974784

Option 1 ID : 75189719135

Option 2 ID : 75189719136

Option 3 ID : 75189719133

Option 4 ID : 75189719134

Status : Answered

Chosen Option : 3

Q.47 Plaster of Paris should be stored in sealed containers.

Which of the following is the correct explanation for the given assertion?

Ans ☒ 1.

It turns into a hard solid after reacting with moisture present in air.

☐ 2. It decomposes in the presence of sunlight.

☐ 3.

It turns into hard solid after reacting with oxygen present in the air.

☐ 4. It decomposes in the presence of oxygen.

Question ID : 75189711908

Option 1 ID : 75189747629

Option 2 ID : 75189747630

Option 3 ID : 75189747631

Option 4 ID : 75189747632

Status : Answered

Chosen Option : 1

Q.48 If one of the roots of a quadratic equation with rational coefficients is $2 + \sqrt{3}$, then the quadratic equation is given as _____.

- Ans
- ☒ 1. $x^2 = 2 - \sqrt{3}$
 - ☒ 2. $x^2 - 4x + 1 = 0$
 - ☒ 3. $x^2 + 4x - 1 = 0$
 - ☒ 4. $x^2 - 2 = 0$

Question ID : 75189711973

Option 1 ID : 75189747890

Option 2 ID : 75189747891

Option 3 ID : 75189747892

Option 4 ID : 75189747889

Status : Answered

Chosen Option : 2

Q.49 When a car is moving through a dusty road during night, a path of beam from the headlight is clearly visible due to _____ effect.

- Ans
- ☒ 1. scattering
 - ☒ 2. dispersion
 - ☒ 3. refraction
 - ☒ 4. immersion

Question ID : 7518979536

Option 1 ID : 75189738144

Option 2 ID : 75189738141

Option 3 ID : 75189738143

Option 4 ID : 75189738142

Status : Answered

Chosen Option : 1

Q.50 If $(x + y + z) = 0$ and $x^2 + y^2 + z^2 = 36$, then the value of $xy + yz + zx$ is:

- Ans
- ☒ 1. -18
 - ☒ 2. -6
 - ☒ 3. 18
 - ☒ 4. -28

Question ID : 7518979283

Option 1 ID : 75189737132

Option 2 ID : 75189737131

Option 3 ID : 75189737129

Option 4 ID : 75189737130

Status : Answered

Chosen Option : 1

Q.51 If $a + \frac{1}{a} = 9$, then the value of $a^3 + \frac{1}{a^3}$ is:

- Ans**
- ☐ 1. 732
 - ☐ 2. 726
 - ☒ 3. 702
 - ☐ 4. 729

Question ID : **75189711203**

Option 1 ID : **75189744809**

Option 2 ID : **75189744812**

Option 3 ID : **75189744810**

Option 4 ID : **75189744811**

Status : **Answered**

Chosen Option : **3**

Q.52 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. EXAMPLE: 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

(16, 64, 5)

(9, 27, 4)

- Ans**
- ☐ 1. (10, 50, 5)
 - ☐ 2. (13, 91, 10)
 - ☐ 3. (11, 56, 7)
 - ☒ 4. (21, 126, 7)

Question ID : **75189711627**

Option 1 ID : **75189746506**

Option 2 ID : **75189746507**

Option 3 ID : **75189746505**

Option 4 ID : **75189746508**

Status : **Answered**

Chosen Option : **4**

Q.53 A statement is given followed by two arguments I and II. Read the statement and the arguments carefully and select the appropriate answer from the given options.

Statement:

Reclaimed land should be avoided as it only has disadvantages.

Arguments:

- I. Many countries have no option but to reclaim land to provide for the increasing population.
- II. Land that is reclaimed has long lasting effect on nature as it deteriorates ecosystems and biodiversity.

- Ans
- ☒ 1. Both I and II weaken the statement
 - ☒ 2. I weakens, while II strengthens the statement
 - ☒ 3. Both I and II strengthen the statement
 - ☒ 4. II weakens, while I strengthens the statement

Question ID : 75189711696

Option 1 ID : 75189746783

Option 2 ID : 75189746781

Option 3 ID : 75189746784

Option 4 ID : 75189746782

Status : Answered

Chosen Option : 2

Q.54 In which year did the cyclone 'Tauktae' hit India?

- Ans
- ☒ 1. 2019
 - ☒ 2. 2022
 - ☒ 3. 2020
 - ☒ 4. 2021

Question ID : 7518977527

Option 1 ID : 75189730105

Option 2 ID : 75189730108

Option 3 ID : 75189730106

Option 4 ID : 75189730107

Status : Answered

Chosen Option : 4

Q.55 Consider a wire of resistance $10\ \Omega$. If there is another wire of the same material and the same length as the previous one, but the cross-sectional area is double, then the resistance of the new wire is:

- Ans
- ☒ 1. $7.5\ \Omega$
 - ☒ 2. $5\ \Omega$
 - ☒ 3. $20\ \Omega$
 - ☒ 4. $10\ \Omega$

Question ID : 75189711318

Option 1 ID : 75189745271

Option 2 ID : 75189745272

Option 3 ID : 75189745269

Option 4 ID : 75189745270

Status : Answered

Chosen Option : 2

Q.56 What is the smallest natural number by which 217800 must be multiplied so that the product is a perfect square?

- Ans
- ☒ 1. 4
 - ☒ 2. 5
 - ☒ 3. 2
 - ☒ 4. 3

Question ID : 75189711713

Option 1 ID : 75189746851

Option 2 ID : 75189746852

Option 3 ID : 75189746849

Option 4 ID : 75189746850

Status : Answered

Chosen Option : 3

Q.57 In which year did the Federal Court of India start functioning?

- Ans
- ☒ 1. 1950
 - ☒ 2. 1935
 - ☒ 3. 1937
 - ☒ 4. 1947

Question ID : 75189712122

Option 1 ID : 75189748488

Option 2 ID : 75189748485

Option 3 ID : 75189748486

Option 4 ID : 75189748487

Status : Not Answered

Chosen Option : --

Q.58 When a man travels equal distances at speeds of V_1 and V_2 km/h, his average speed is 5 km/h. But when he travels at these speeds for equal time periods, his average speed is 5.5 km/h. Find the positive difference between the two speeds.

- Ans
- ☒ 1. $\sqrt{11}$ km/h
 - ☒ 2. $\sqrt{10}$ km/h
 - ☒ 3. 10 km/h
 - ☒ 4. 11 km/h

Question ID : 75189711758

Option 1 ID : 75189747032

Option 2 ID : 75189747029

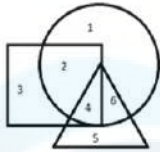
Option 3 ID : 75189747030

Option 4 ID : 75189747031

Status : Answered

Chosen Option : 1

Q.59 Study the given diagram carefully and answer the question. The numbers in different sections indicate the number of persons. The circle represents 'actors', the square represents 'directors', and the triangle represents 'producers'. How many actors are there who are directors and also producers?



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

Question ID : **75189711487**

Option 1 ID : **75189745948**

Option 2 ID : **75189745946**

Option 3 ID : **75189745947**

Option 4 ID : **75189745945**

Status : **Answered**

Chosen Option : 1

Q.60 The fundamental duties of citizens were added to the constitution of India by the 42nd amendment in:

- Ans**
- ✗ 1. 1974
 - ✗ 2. 1973
 - ✗ 3. 1975
 - ✓ 4. 1976

Question ID : **75189710599**

Option 1 ID : **75189742394**

Option 2 ID : **75189742393**

Option 3 ID : **75189742395**

Option 4 ID : **75189742396**

Status : **Answered**

Chosen Option : 4

Q.61 On 4 June 2021, India's first CAR-T cell therapy, which was done at Mumbai's Tata Memorial Centre, was for which of the following ailments?

- Ans**
- ✓ 1. Blood cancer
 - ✗ 2. Lung Transplant
 - ✗ 3. AIDS
 - ✗ 4. Bone Transplant

Question ID : **75189710409**

Option 1 ID : **75189741633**

Option 2 ID : **75189741636**

Option 3 ID : **75189741634**

Option 4 ID : **75189741635**

Status : **Answered**

Chosen Option : 1

Q.62 The value of $(x^{\frac{2}{3}} - x^{\frac{1}{3}}y^{\frac{1}{3}} + y^{\frac{2}{3}})(x^{\frac{1}{3}} + y^{\frac{1}{3}})$ is _____.

Ans ☒ 1. $x - y$

☒ 2. $\frac{1}{x} + \frac{1}{y}$

☒ 3. $\frac{1}{x} - \frac{1}{y}$

☒ 4. $x + y$

Question ID : 75189711962

Option 1 ID : 75189747845

Option 2 ID : 75189747846

Option 3 ID : 75189747848

Option 4 ID : 75189747847

Status : Answered

Chosen Option : 4

Q.63 ₹3,903 is divided between A and B, so that A's share at the end of 7 years will be equal to B's share at the end of 9 years, with interest being compounded annually at the rate of 4% per annum. The share of A is:

Ans ☒ 1. ₹1,828

☒ 2. ₹1,875

☒ 3. ₹2,028

☒ 4. ₹2,075

Question ID : 75189711747

Option 1 ID : 75189746987

Option 2 ID : 75189746986

Option 3 ID : 75189746985

Option 4 ID : 75189746988

Status : Answered

Chosen Option : 3

Q.64 Which of the following numbers will replace the question mark (?) in the given series?

14, 27, 40, 53, 66, 79, 92, ?

Ans ☒ 1. 104

☒ 2. 102

☒ 3. 105

☒ 4. 103

Question ID : 75189711607

Option 1 ID : 75189746426

Option 2 ID : 75189746427

Option 3 ID : 75189746425

Option 4 ID : 75189746428

Status : Answered

Chosen Option : 3

Q.65 Each of the six students, Pavan, Vinay, Reshma, Sunayana, Tarun and Unmukth, has an engineering entrance exam on a different day of a week, starting from Monday and ending on Saturday of the same week, but not necessarily in the same order. Reshma has the exam on Tuesday. Only one student has the exam between Pavan and Reshma. Vinay has the exam on the day immediately after Pavan. None of them have the exam before Unmukth. Sunayana has the exam on the day immediately after Reshma.

On which day does Tarun have the exam?

Ans

✓ 1. Saturday

✗ 2. Thursday

✗ 3. Friday

✗ 4. Wednesday

Question ID : 75189711443

Option 1 ID : 75189745770

Option 2 ID : 75189745772

Option 3 ID : 75189745769

Option 4 ID : 75189745771

Status : Answered

Chosen Option : 1

Q.66 A field is in the form of a triangle. Its area is 25000 m^2 and the length of the base is 500 m. Its height (in m), corresponding to the given base, is _____.

Ans

✗ 1. 200

✗ 2. 175

✗ 3. 50

✓ 4. 100

Question ID : 75189711980

Option 1 ID : 75189747920

Option 2 ID : 75189747919

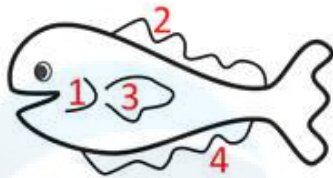
Option 3 ID : 75189747917

Option 4 ID : 75189747918

Status : Answered

Chosen Option : 4

Q.67 In the following figure of a fish, where are the gills located?



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

Question ID : 75189710095

Option 1 ID : 75189740378

Option 2 ID : 75189740380

Option 3 ID : 75189740377

Option 4 ID : 75189740379

Status : Answered

Chosen Option : 4

Q.68 If the monthly salary of a person is ₹28,000 and the expenditure for the month is 92% of his salary, then the remaining amount from that month's salary is _____.

- Ans
- ☒ 1. ₹2,340
 - ☒ 2. ₹2,400
 - ☒ 3. ₹2,200
 - ☒ 4. ₹2,240

Question ID : 75189711951

Option 1 ID : 75189747803

Option 2 ID : 75189747804

Option 3 ID : 75189747801

Option 4 ID : 75189747802

Status : Answered

Chosen Option : 4

Q.69 Each vowel in the word MAJESTY 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. If each letter, thus formed, is arranged in alphabetical order, which letter will be third from the left?

- Ans**
- ✓ 1. I
 - ✗ 2. L
 - ✗ 3. B
 - ✗ 4. F

Question ID : 75189711690

Option 1 ID : 75189746758

Option 2 ID : 75189746757

Option 3 ID : 75189746759

Option 4 ID : 75189746760

Status : Answered

Chosen Option : 1

Q.70 Study the following table and answer the question.

Name of the Student	Marks		
	Paper I	Paper II	Paper III
Anushri	83	79	83
Jay	71	90	60
Vinay	64	93	72
Pooja	81	88	87

An exam consists of three papers. If each paper was of 100 marks, then who scored the highest percentage in the exam?

- Ans**
- ✗ 1. Anushri
 - ✗ 2. Jay
 - ✓ 3. Pooja
 - ✗ 4. Vinay

Question ID : 75189711259

Option 1 ID : 75189745034

Option 2 ID : 75189745033

Option 3 ID : 75189745035

Option 4 ID : 75189745036

Status : Answered

Chosen Option : 3

Q.71 What is the smallest positive fraction that must be added to the fraction $\frac{3}{5} \times \frac{16}{21} \times \frac{7}{10} \times \frac{3}{4}$ to make it a whole number?

- Ans**
- ☒ 1. $\frac{20}{5}$
 - ☒ 2. $\frac{19}{25}$
 - ☒ 3. $\frac{23}{2}$
 - ☒ 4. $\frac{19}{16}$

Question ID : 75189711716

Option 1 ID : 75189746861

Option 2 ID : 75189746863

Option 3 ID : 75189746862

Option 4 ID : 75189746864

Status : Answered

Chosen Option : 2

Q.72 From which budget year in India was the Railway budget merged with the Union budget and was not presented separately?

- Ans**
- ☒ 1. 2017 - 18
 - ☒ 2. 2016 - 17
 - ☒ 3. 2014 - 15
 - ☒ 4. 2015 -16

Question ID : 7518979404

Option 1 ID : 75189737613

Option 2 ID : 75189737614

Option 3 ID : 75189737616

Option 4 ID : 75189737615

Status : Not Answered

Chosen Option : --

Q.73 The Cultural performances 'MILAN 2022' was organised by the Ministry of Culture as a part of Azadi Ka Amrit Mahotsav in which City?

- Ans**
- ☒ 1. Mysuru
 - ☒ 2. Madurai
 - ☒ 3. Visakhapatnam
 - ☒ 4. Coimbatore

Question ID : 75189710428

Option 1 ID : 75189741709

Option 2 ID : 75189741710

Option 3 ID : 75189741712

Option 4 ID : 75189741711

Status : Not Answered

Chosen Option : --

Q.74 Which of the following states is home to the Great Indian Bustard?

Ans ✓ 1. Rajasthan

✗ 2. Uttar Pradesh

✗ 3. Sikkim

✗ 4. Bihar

Question ID : 75189712163

Option 1 ID : 75189748652

Option 2 ID : 75189748651

Option 3 ID : 75189748649

Option 4 ID : 75189748650

Status : Not Answered

Chosen Option : --

Q.75 Rishabh starts from his house and walks 14 m southwards. Then, he turns left and walks 30 m. Then, he turns left and walks 50 m. Then, he turns left and walks 10 m. He then turns left and walks 36 m. In which direction and how many meters away is he now from his house?

Ans ✗ 1. 30 m, West

✓ 2. 20 m, East

✗ 3. 10 m, South

✗ 4. 68 m, South-east

Question ID : 75189710896

Option 1 ID : 75189743582

Option 2 ID : 75189743583

Option 3 ID : 75189743584

Option 4 ID : 75189743581

Status : Answered

Chosen Option : 2

Q.76 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 conditions is your answer.

Number /symbol	2	&	5	^	@	6	4	*	3	+	#	7	%	9
code letter	A	O	B	Q	T	D	J	G	L	M	K	S	N	R

Conditions:

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

What will be the code for 3 * 6 2 ?

- Ans**
- ☒ 1. LGDA
 - ☒ 2. ©GD©
 - ☒ 3. ©GDA
 - ☒ 4. LGD©

Question ID : 75189711053

Option 1 ID : 75189744211

Option 2 ID : 75189744209

Option 3 ID : 75189744210

Option 4 ID : 75189744212

Status : Answered

Chosen Option : 1

Q.77 In July 2021, which Union Territory of India launched 'Tejaswini' _____ an initiative centred around women empowerment and safety?

- Ans**
- ☒ 1. Lakshadweep
 - ☒ 2. Delhi
 - ☒ 3. Puducherry
 - ☒ 4. Chandigarh

Question ID : 75189711115

Option 1 ID : 75189744460

Option 2 ID : 75189744459

Option 3 ID : 75189744457

Option 4 ID : 75189744458

Status : Not Answered

Chosen Option : --

Q.78 Seven friends, Anmol, Bhawna, Komal, Diksha, Ekta, Falak and Gopi, are sitting in a row facing north (but not necessarily in the same order). Falak is sitting to the immediate right of Ekta. Ekta is sitting fourth of the right to Gopi. Komal is an immediate neighbour of Bhawna and Diksha. The person who is sitting third to the left of Diksha is at one of the extreme ends.

Who among the following is an immediate neighbour of Gopi and Komal?

- Ans**
- ✓ 1. Bhawna
 - ✗ 2. Ekta
 - ✗ 3. Diksha
 - ✗ 4. Falak

Question ID : 75189711435

Option 1 ID : 75189745737

Option 2 ID : 75189745738

Option 3 ID : 75189745740

Option 4 ID : 75189745739

Status : Not Answered

Chosen Option : --

Q.79 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and also '×' and '÷' are interchanged?

$$120 \times 4 \div 2 - 8 + 10 = ?$$

- Ans**
- ✓ 1. 58
 - ✗ 2. 48
 - ✗ 3. 78
 - ✗ 4. 68

Question ID : 7518979892

Option 1 ID : 75189739565

Option 2 ID : 75189739568

Option 3 ID : 75189739567

Option 4 ID : 75189739566

Status : Answered

Chosen Option : 1

Q.80 The ratio of the present ages of Monu and Sonu is 3 : 4. The ratio of the age of Monu 5 years ago and that of Sonu 5 years hence is 2 : 5. Find Monu's present age.

- Ans**
- ✓ 1. 15 years
 - ✗ 2. 18 years
 - ✗ 3. 20 years
 - ✗ 4. 66 years

Question ID : 75189711789

Option 1 ID : 75189747153

Option 2 ID : 75189747155

Option 3 ID : 75189747154

Option 4 ID : 75189747156

Status : Answered

Chosen Option : 1

Q.81 Which hormone is particularly high in fruits?

- Ans
- ☐ 1. Gibberellins
 - ☐ 2. Auxins
 - ☒ 3. Cytokinin
 - ☐ 4. Absciscic acid

Question ID : 7518974319

Option 1 ID : 75189717273

Option 2 ID : 75189717274

Option 3 ID : 75189717275

Option 4 ID : 75189717276

Status : Answered

Chosen Option : 3

Q.82 In Mendel's cross, a pure tall plant (TT) is crossed with a dwarf plant (tt). The Phenotypic ratio in F_2 generation is:

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

Question ID : 75189710239

Option 1 ID : 75189740956

Option 2 ID : 75189740955

Option 3 ID : 75189740953

Option 4 ID : 75189740954

Status : Not Answered

Chosen Option : --

Q.83 On which of the following dates was Hindi adopted as the official language of the Indian Union?

- Ans
- ☐ 1. 15 August 1947
 - ☐ 2. 26 January 1950
 - ☒ 3. 14 September 1949
 - ☐ 4. 30 November 1954

Question ID : 75189712135

Option 1 ID : 75189748538

Option 2 ID : 75189748539

Option 3 ID : 75189748537

Option 4 ID : 75189748540

Status : Answered

Chosen Option : 3

Q.84 A house is supplied electricity through a 15 A fuse. The number of 100 W lamps that can be used simultaneously along with a 2KW AC is: (The AC and lamps both are rated for 220 V Supply)

- Ans ☒ 1. 13
☒ 2. 23
☒ 3. 18
☒ 4. 15

Question ID : 75189712226
Option 1 ID : 75189748904
Option 2 ID : 75189748901
Option 3 ID : 75189748902
Option 4 ID : 75189748903
Status : Not Answered
Chosen Option : --

Q.85 In a certain code language, 'TALCUM' is written as 'LSZHVN' and 'GRAINS' is written as 'RLFWMA'. How will 'LOWER' be written in that language?

- Ans ☒ 1. PCTKG
☒ 2. QDTKH
☒ 3. QCTKH
☒ 4. QCTKG

Question ID : 75189710870
Option 1 ID : 75189743479
Option 2 ID : 75189743478
Option 3 ID : 75189743477
Option 4 ID : 75189743480
Status : Answered
Chosen Option : 4

Q.86 Mona, Rahul, Vikas, Kavita, Poonam and Khushi, each has a different height. They are standing in a line according to their heights in an increasing order. Vikas is taller than only one person. Only Rahul is standing between Khushi and Vikas. Mona is shorter than only one person. Exactly two people are standing between Poonam and Rahul. Who is the shortest person in this group?

- Ans ☒ 1. Kavita
☒ 2. Vikas
☒ 3. Rahul
☒ 4. Poonam

Question ID : 75189711012
Option 1 ID : 75189744048
Option 2 ID : 75189744046
Option 3 ID : 75189744045
Option 4 ID : 75189744047
Status : Answered
Chosen Option : 1

Q.87 The 'Tripitaka' is a holy book of which religion from following-

- Ans
- ☐ 1. Sikhism
 - ☒ 2. Buddhism
 - ☐ 3. Zoroastrianism
 - ☐ 4. Jainism

Question ID : 75189710444

Option 1 ID : 75189741774

Option 2 ID : 75189741776

Option 3 ID : 75189741773

Option 4 ID : 75189741775

Status : Answered

Chosen Option : 2

Q.88 How many elements occur naturally?

- Ans
- ☐ 1. 93
 - ☐ 2. 95
 - ☒ 3. 94
 - ☐ 4. 92

Question ID : 7518979668

Option 1 ID : 75189738670

Option 2 ID : 75189738672

Option 3 ID : 75189738671

Option 4 ID : 75189738669

Status : Answered

Chosen Option : 4

Q.89 The measures of three angles of a quadrilateral are given as 90° , 96° and 88° . The measure of its fourth angle is

- Ans
- ☐ 1. 96°
 - ☒ 2. 86°
 - ☐ 3. 82°
 - ☐ 4. 88°

Question ID : 75189711991

Option 1 ID : 75189747964

Option 2 ID : 75189747962

Option 3 ID : 75189747961

Option 4 ID : 75189747963

Status : Answered

Chosen Option : 2

Q.90 Which of the following numbers will replace the question mark (?) in the given series?

1, 5, 13, 29, 61, ?

- Ans**
- ☒ 1. 128
 - ☒ 2. 131
 - ☒ 3. 125
 - ☒ 4. 253

Question ID : 75189711605

Option 1 ID : 75189746418

Option 2 ID : 75189746417

Option 3 ID : 75189746420

Option 4 ID : 75189746419

Status : Answered

Chosen Option : 3

Q.91 In order to obtain an inverted and magnified image of an object by a spherical mirror of radius of curvature 40 cm, the object should be placed:

- Ans**
- ☒ 1. between 20 cm and 40 cm from a concave mirror
 - ☒ 2. at infinity from a Convex mirror
 - ☒ 3. between 20 cm and 40 cm from a convex mirror
 - ☒ 4. 20 cm from a convex mirror

Question ID : 7518979480

Option 1 ID : 75189737918

Option 2 ID : 75189737920

Option 3 ID : 75189737919

Option 4 ID : 75189737917

Status : Answered

Chosen Option : 1

Q.92 The resistance of a metal wire of length 1 m is $50\ \Omega$ at 30°C . Suppose the diameter of the wire is 0.3 mm. Now another wire has the same material and the same length (at 30°C), but the diameter is increased to 0.6 mm. The resistance of the new wire is:

- Ans**
- ☒ 1. $12.5\ \Omega$
 - ☒ 2. $20.5\ \Omega$
 - ☒ 3. $2.5\ \Omega$
 - ☒ 4. $120.5\ \Omega$

Question ID : 75189711330

Option 1 ID : 75189745319

Option 2 ID : 75189745318

Option 3 ID : 75189745320

Option 4 ID : 75189745317

Status : Answered

Chosen Option : 1

Q.93 A, C, E, G, J, L, N and O are sitting around a square table facing the centre of the table (but not necessarily in the same order). Some of them are sitting at the corners while some are sitting at the exact centre of the sides. 'E' has 'A' and 'G' as immediate neighbours. The 'A' is immediately left to 'C'. The 'O' is at the immediate right of 'J'. 'L' has 'J' and 'N' as immediate neighbours.
Who is sitting to the immediate left of G?

- Ans
- ☒ 1. E
 - ☒ 2. C
 - ☒ 3. O
 - ☒ 4. N

Question ID : 75189710735

Option 1 ID : 75189742939

Option 2 ID : 75189742938

Option 3 ID : 75189742940

Option 4 ID : 75189742937

Status : Answered

Chosen Option : 3

Q.94 The strength of magnetic field inside a long current-carrying straight solenoid is:

- Ans
- ☒ 1. uniform at all points inside the solenoid
 - ☒ 2. the minimum at the centre
 - ☒ 3. more at the end than the centre
 - ☒ 4. the maximum at the middle

Question ID : 75189711361

Option 1 ID : 75189745444

Option 2 ID : 75189745442

Option 3 ID : 75189745443

Option 4 ID : 75189745441

Status : Not Answered

Chosen Option : --

Q.95 Which of the following is calculated as the percentage change in the demand for the goods divided by the percentage change in the price for the goods?

- Ans
- ☒ 1. Elasticity of Demand
 - ☒ 2. Product Cost
 - ☒ 3. Total Utility
 - ☒ 4. Surplus

Question ID : 7518978872

Option 1 ID : 75189735488

Option 2 ID : 75189735486

Option 3 ID : 75189735487

Option 4 ID : 75189735485

Status : Answered

Chosen Option : 1

Q.96 Which two mathematical operators should be interchanged to make the given equation correct?

$$18 \times 6 + 12 - 7 \div 2 = 1$$

Ans ☒ 1. \div and $-$

☒ 2. \times and \div

☒ 3. $+$ and \times

☒ 4. $-$ and $+$

Question ID : 7518979797

Option 1 ID : 75189739186

Option 2 ID : 75189739185

Option 3 ID : 75189739188

Option 4 ID : 75189739187

Status : Answered

Chosen Option : 2

Q.97 Which of the following statements is NOT correct?

1. There are only four single-digit prime numbers.

2. There are infinitely many prime numbers.

3. A prime number has only two factors.

4. All prime numbers are odd.

Ans ☒ 1. 1

☒ 2. 4

☒ 3. 2

☒ 4. 3

Question ID : 75189711723

Option 1 ID : 75189746889

Option 2 ID : 75189746892

Option 3 ID : 75189746890

Option 4 ID : 75189746891

Status : Answered

Chosen Option : 2

Q.98 Who was the Chief Election Commissioner of India as on 1 April 2022?

- Ans
- ☐ 1. Sunil Arora
 - ☐ 2. Om Prakash Rawat
 - ☒ 3. Sushil Chandra
 - ☐ 4. Achal Kumar Jyoti

Question ID : 75189712165
Option 1 ID : 75189748657
Option 2 ID : 75189748660
Option 3 ID : 75189748658
Option 4 ID : 75189748659
Status : Answered
Chosen Option : 2

Q.99 Air India's journey begins in the year _____, when the distinguished entrepreneur J.R.D. Tata founded the company.

- Ans
- ☐ 1. 1947
 - ☒ 2. 1932
 - ☐ 3. 1930
 - ☐ 4. 1942

Question ID : 75189710465
Option 1 ID : 75189741860
Option 2 ID : 75189741858
Option 3 ID : 75189741857
Option 4 ID : 75189741859
Status : Answered
Chosen Option : 3

Q.100 A light ray enters from medium A to medium B, and as a result, it bends away from the normal in the medium B. The refractive index of medium B relative to medium A is:

- Ans
- ☐ 1. greater than unity
 - ☐ 2. equal to unity
 - ☒ 3. less than unity
 - ☐ 4. equal to 2

Question ID : 75189711280
Option 1 ID : 75189745118
Option 2 ID : 75189745119
Option 3 ID : 75189745117
Option 4 ID : 75189745120
Status : Answered
Chosen Option : 1