



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	TCS Gito Bitan
Test Date	29/09/2022
Test Time	12:45 PM - 2:15 PM
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 Find the arithmetic mean of the following data.

x	6	10	18	24	30	36
f	4	3	4	2	1	1

Ans ☒ 1. 13

☒ 2. 16

☒ 3. 17

☒ 4. 12

Question ID : 75189712988

Option 1 ID : 75189751950

Option 2 ID : 75189751951

Option 3 ID : 75189751952

Option 4 ID : 75189751949

Status : Answered

Chosen Option : 2

Q.2 Eight friends are sitting around a square table facing the centre. Four of them are sitting at the corners and remaining four are sitting at the exact middle of the four sides. Only Charu is sitting between Karan and Hitesh. Jay is sitting fourth to the left of Laxshita. Alok is sitting second to the left of Laxshita. Siya is sitting to the immediate right of Jay. Karan is sitting fourth to the left of Siya. Rashmi is sitting fourth to the right of Hitesh. Who is sitting to the immediate right of Alok?

Ans  1. **Rashmi**

 2. **Siya**

 3. **Hitesh**

 4. **Jay**

Question ID : **75189714165**

Option 1 ID : **75189756660**

Option 2 ID : **75189756657**

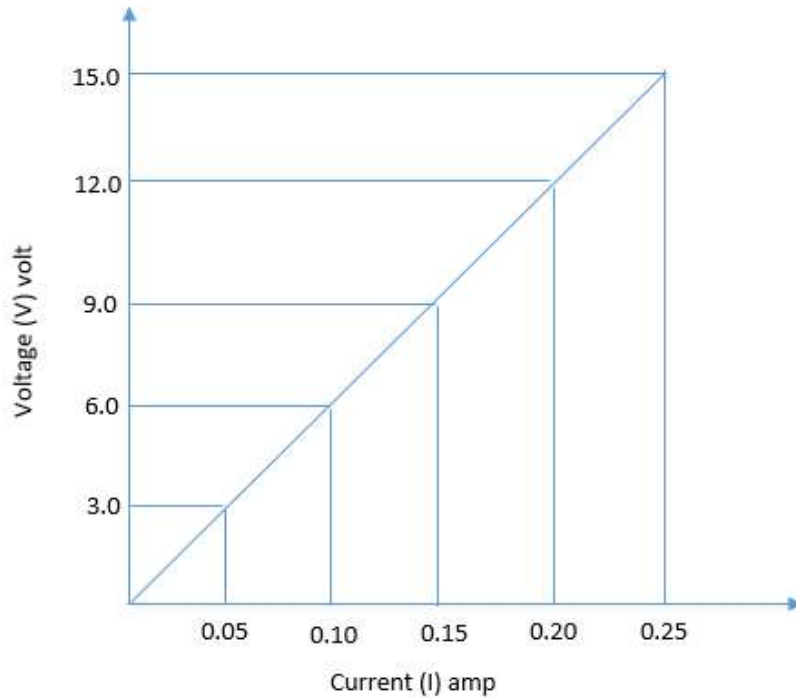
Option 3 ID : **75189756659**

Option 4 ID : **75189756658**

Status : **Not Answered**

Chosen Option : --

Q.3 Find the resistance of the conductor using the given graph.



- Ans
- ☒ 1. 600 ohm
 - ☒ 2. 0.24 ohm
 - ☒ 3. 0.016 ohm
 - ☒ 4. 60 ohm

Question ID : 75189713786

Option 1 ID : 75189755144

Option 2 ID : 75189755143

Option 3 ID : 75189755142

Option 4 ID : 75189755141

Status : Answered

Chosen Option : 4

Q.4 India's golden boy Neeraj Chopra secured a historic silver medal in the men's Javelin final event at the World Athletics Championships 2022 held at _____.

- Ans
- ☒ 1. Denmark
 - ☒ 2. Finland
 - ☒ 3. United States of America
 - ☒ 4. United Kingdom

Question ID : 75189712549

Option 1 ID : 75189750195

Option 2 ID : 75189750196

Option 3 ID : 75189750193

Option 4 ID : 75189750194

Status : Answered

Chosen Option : 1

Q.5

- Ans
- ☒ 1. $31 - 8\sqrt{3}$
 - ☒ 2. $32 + 27\sqrt{3}$
 - ☒ 3. $-30 + 30\sqrt{3}$
 - ☒ 4. $-28 + 29\sqrt{3}$

Question ID : 75189712599

Option 1 ID : 75189750394

Option 2 ID : 75189750395

Option 3 ID : 75189750396

Option 4 ID : 75189750393

Status : Answered

Chosen Option : 4

Q.6 Which of the following options is the closest approximate value which will come in place of the question mark (?) in the following equation?

$$2.59 \times 1.3 - 4 + 3 = ?$$

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

Question ID : 75189713235

Option 1 ID : 75189752939

Option 2 ID : 75189752938

Option 3 ID : 75189752937

Option 4 ID : 75189752940

Status : Answered

Chosen Option : 3

Q.7 After 2 to 3 days of whitewashing of walls with a solution of slaked lime, which of the following compounds is produced that gives a shiny finish to the walls?

- Ans
- ☒ 1. Calcium hydroxide
 - ☒ 2. Calcium dioxide
 - ☒ 3. Calcium bicarbonate
 - ☒ 4. Calcium carbonate

Question ID : 75189712778

Option 1 ID : 75189751110

Option 2 ID : 75189751112

Option 3 ID : 75189751111

Option 4 ID : 75189751109

Status : Answered

Chosen Option : 4

Q.8

- Ans ☒ 1. DKBLS
☐ 2. DJBKT
☐ 3. DBLKS
☐ 4. DJCLT

Question ID : 75189714474
Option 1 ID : 75189757896
Option 2 ID : 75189757894
Option 3 ID : 75189757895
Option 4 ID : 75189757893
Status : Answered
Chosen Option : 1

Q.9 According to the Hindu Calendar, Buddha Purnima falls on the full moon day of _____.

- Ans ☐ 1. Chaitra
☐ 2. Magha
☐ 3. Ashadha
☒ 4. Vaishakha

Question ID : 7518977484
Option 1 ID : 75189729933
Option 2 ID : 75189729936
Option 3 ID : 75189729934
Option 4 ID : 75189729935
Status : Answered
Chosen Option : 4

Q.10 Which of the following options explains the objectives of the National Informatics Centre (NIC)?

- A) Technology partner of the government
- B) Develops e-Content and learning materials for school education
- C) Explores and advises on the use of emerging technologies
- D) Provides data networks packages to the government and private institutes

- Ans ☐ 1. B and C
☒ 2. A and C
☐ 3. A and D
☐ 4. C and D

Question ID : 75189713975
Option 1 ID : 75189755898
Option 2 ID : 75189755899
Option 3 ID : 75189755897
Option 4 ID : 75189755900
Status : Answered
Chosen Option : 3

Q.11

- Ans  1. 132
 2. 124
 3. 152
 4. 119

Question ID : 75189714137

Option 1 ID : 75189756548

Option 2 ID : 75189756545

Option 3 ID : 75189756547

Option 4 ID : 75189756546

Status : Answered

Chosen Option : 2

Q.12 Select the set in which the numbers are related in the same way as are the numbers of the given sets.

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /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)

(1, 3, 4)

(8, 24, 18)

- Ans  1. (8, 13, 10)
 2. (8, 14, 10)
 3. (19, 25, 12)
 4. (10, 23, 15)

Question ID : 75189713652

Option 1 ID : 75189754605

Option 2 ID : 75189754608

Option 3 ID : 75189754606

Option 4 ID : 75189754607

Status : Answered

Chosen Option : 2

Q.13 The second 'Muslim Women Rights Day' was observed across India on _____ to commemorate the enactment of the law against Triple Talaq.

- Ans  1. 1 August 2021
 2. 1 September 2021
 3. 1 July 2021
 4. 1 June 2021

Question ID : 7518978506

Option 1 ID : 75189734023

Option 2 ID : 75189734024

Option 3 ID : 75189734022

Option 4 ID : 75189734021

Status : Not Answered

Chosen Option : --

Q.14

- Ans
- ☐ 1. 1956
 - ☐ 2. 1953
 - ☐ 3. 1951
 - ☒ 4. 1954

Question ID : 75189712488
Option 1 ID : 75189749951
Option 2 ID : 75189749952
Option 3 ID : 75189749950
Option 4 ID : 75189749949
Status : Not Answered
Chosen Option : --

Q.15 Sarhul is the main festival of the tribal population of which of the following states?

- Ans
- ☐ 1. Assam
 - ☐ 2. Meghalaya
 - ☐ 3. Nagaland
 - ☒ 4. Jharkhand

Question ID : 75189712363
Option 1 ID : 75189749452
Option 2 ID : 75189749451
Option 3 ID : 75189749450
Option 4 ID : 75189749449
Status : Not Answered
Chosen Option : --

Q.16 _____ is defined as the output per unit of variable input.

- Ans
- ☐ 1. Total product
 - ☐ 2. Minimum product
 - ☒ 3. Average product
 - ☐ 4. Marginal product

Question ID : 75189712486
Option 1 ID : 75189749943
Option 2 ID : 75189749941
Option 3 ID : 75189749944
Option 4 ID : 75189749942
Status : Answered
Chosen Option : 3

Q.17

Ans

✓ 1.
$$\frac{XYZ}{YZ + XZ - XY}$$

✗ 2.
$$\frac{XYZ}{YZ + XZ + XY}$$

✗ 3.
$$\frac{XYZ}{YZ - XZ - XY}$$

✗ 4.
$$\frac{XYZ}{YZ - XZ + XY}$$

Question ID : 75189713337

Option 1 ID : 75189753345

Option 2 ID : 75189753347

Option 3 ID : 75189753346

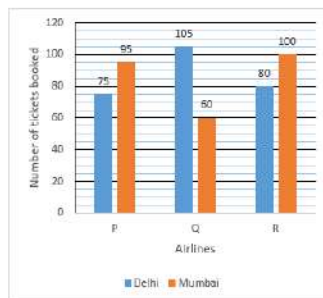
Option 4 ID : 75189753348

Status : Answered

Chosen Option : 1

Q.18 Study the given bar-graph and answer the question that follows.

The bar-graph depicts the number of tickets booked for Delhi and Mumbai by Airlines P, Q and R.



The total number of tickets booked for Mumbai by Airlines Q and R was what per cent more than the number of tickets booked for Delhi by Airline R?

Ans

✗ 1. 150%

✓ 2. 100%

✗ 3. 200%

✗ 4. 50%

Question ID : 75189713672

Option 1 ID : 75189754688

Option 2 ID : 75189754687

Option 3 ID : 75189754686

Option 4 ID : 75189754685

Status : Answered

Chosen Option : 2

Q.19 The given statements are followed by three conclusions. Find out which conclusion is true based on the given statements.

Statements:

$$L > M = N \geq O, P \geq Q \leq R = O$$

Conclusions:

I. $N \geq O$

II. $L > R$

III. $M \geq Q$

- Ans**
- ☒ 1. Only conclusion II is true
 - ☒ 2. Only conclusion III is true
 - ☒ 3. Only conclusion I is true
 - ☒ 4. All conclusions I, II and III are true

Question ID : 75189711496

Option 1 ID : 75189745982

Option 2 ID : 75189745983

Option 3 ID : 75189745981

Option 4 ID : 75189745984

Status : Answered

Chosen Option : 4

Q.20 What is the chemical behaviour of washing soda?

- Ans**
- ☒ 1. It is amphoteric in nature.
 - ☒ 2. It is acidic in nature.
 - ☒ 3. It is basic in nature.
 - ☒ 4. It is neutral in nature.

Question ID : 75189715152

Option 1 ID : 75189760608

Option 2 ID : 75189760607

Option 3 ID : 75189760606

Option 4 ID : 75189760605

Status : Answered

Chosen Option : 3

Q.21 Find the LCM of 20, 120 and 60.

- Ans**
- ☒ 1. 100
 - ☒ 2. 60
 - ☒ 3. 80
 - ☒ 4. 120

Question ID : 75189712927

Option 1 ID : 75189751707

Option 2 ID : 75189751705

Option 3 ID : 75189751706

Option 4 ID : 75189751708

Status : Answered

Chosen Option : 4

Q.22

Ans ☐ 1. $m = v \times u$

☐ 2. $m = \frac{v}{u}$

☒ 3. $m = \frac{-v}{u}$

☐ 4. $m = -v \times u$

Question ID : 7518979495

Option 1 ID : 75189737977

Option 2 ID : 75189737978

Option 3 ID : 75189737980

Option 4 ID : 75189737979

Status : Answered

Chosen Option : 3

Q.23 Each vowel in the word HOCKEY 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 fourth from the right?

Ans ☐ 1. F

☒ 2. G

☐ 3. P

☐ 4. J

Question ID : 7518978248

Option 1 ID : 75189732992

Option 2 ID : 75189732990

Option 3 ID : 75189732991

Option 4 ID : 75189732989

Status : Answered

Chosen Option : 2

Q.24 What is the compound interest, rounded to nearest rupee, on ₹82,000 for 3 years at 6% per annum compounded annually?

Ans ☐ 1. ₹14,674

☐ 2. ₹15,366

☒ 3. ₹15,663

☐ 4. ₹15,000

Question ID : 75189712027

Option 1 ID : 75189748105

Option 2 ID : 75189748106

Option 3 ID : 75189748107

Option 4 ID : 75189748108

Status : Not Answered

Chosen Option : --

Q.25

Ans

✓ 1. $P = \frac{1}{f}$

✗ 2. $P = -1/f$

✗ 3. $P \propto f$

✗ 4. $P = f$

Question ID : 7518979520

Option 1 ID : 75189738079

Option 2 ID : 75189738080

Option 3 ID : 75189738078

Option 4 ID : 75189738077

Status : Answered

Chosen Option : 1

Q.26 A certain number of people are sitting in a row, facing north. Only three people sit between F and C. D sits second to the right of C. A sits third to the left of F. Only one person sits between D and B. If no other person is sitting in the row, what is the total number of persons seated?

Ans ✗ 1. 11

✗ 2. 14

✓ 3. 12

✗ 4. 10

Question ID : 75189713019

Option 1 ID : 75189752073

Option 2 ID : 75189752074

Option 3 ID : 75189752076

Option 4 ID : 75189752075

Status : Answered

Chosen Option : 3

Q.27 The formula for Joule's heating effect is represented as _____. (In the options, H denotes the heat produced, I is the current flowing through the conductor, R is the resistance and t is the time period.)

Ans ✗ 1. $H = QIt$

✗ 2. $H = VIR$

✓ 3. $H = VIt$

✗ 4. $H = IRt$

Question ID : 75189713824

Option 1 ID : 75189755295

Option 2 ID : 75189755296

Option 3 ID : 75189755293

Option 4 ID : 75189755294

Status : Answered

Chosen Option : 3

Q.28

- Ans ☒ 1. Be and Mg
☒ 2. K and Co
☒ 3. Na and Cl
☒ 4. B and Si

Question ID : 75189710384

Option 1 ID : 75189741534

Option 2 ID : 75189741536

Option 3 ID : 75189741533

Option 4 ID : 75189741535

Status : Not Answered

Chosen Option : --

Q.29 If 1 is added to each digit of the number 870548362, what will be the sum of the fourth, fifth and sixth digit when counted from left?

- Ans ☒ 1. 17
☒ 2. 24
☒ 3. 20
☒ 4. 16

Question ID : 7518979787

Option 1 ID : 75189739145

Option 2 ID : 75189739146

Option 3 ID : 75189739148

Option 4 ID : 75189739147

Status : Answered

Chosen Option : 3

Q.30 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All plums are guavas.

Some plums are mangoes.

No plum is a kiwi.

Conclusions:

I. Some guavas are kiwis.

II. Some mangoes are kiwis.

Ans  1. Neither conclusion I nor II follows

 2. Only conclusion II follows

 3. Both conclusions I and II follow

 4. Only conclusion I follows

Question ID : **75189713496**

Option 1 ID : **75189753983**

Option 2 ID : **75189753982**

Option 3 ID : **75189753984**

Option 4 ID : **75189753981**

Status : **Answered**

Chosen Option : 1

Q.31 Which two signs should be interchanged to make the following equation correct?

$$[(15 + 3) - (4 \times 2)] \div (4 - 6) \times 5 = 10$$

Ans  1. + and $\div$

 2. $\times$ and $\div$

 3. $\times$ and +

 4. + and -

Question ID : **75189714568**

Option 1 ID : **75189758272**

Option 2 ID : **75189758271**

Option 3 ID : **75189758269**

Option 4 ID : **75189758270**

Status : **Answered**

Chosen Option : 4

Q.32 Kiran starts from Point A and drives 4 km towards the east. He then takes a right turn, drives 9 km, turns left and drives 5 km. He then takes a left turn and drives 17 km, takes a left turn and drives 14 km. He then turns left, drives 8 km and stops at Point B. How far and towards which direction should he drive in order to reach Point A from Point B? (All turns are 90 degree turns only)

- Ans**
- ✓ 1. 5 km towards the east
 - ✗ 2. 12 km towards the west
 - ✗ 3. 9 km towards the south
 - ✗ 4. 6 km towards the east

Question ID : 75189714496

Option 1 ID : 75189757984

Option 2 ID : 75189757982

Option 3 ID : 75189757981

Option 4 ID : 75189757983

Status : Answered

Chosen Option : 1

Q.33 Which of the following method(s) can be used to change the direction of force on a current carrying conductor?

- (i) Changing the magnitude of current
- (ii) Changing the strength of magnetic field
- (iii) Changing the direction of current

- Ans**
- ✗ 1. Only (i)
 - ✗ 2. Both (i) and (iii)
 - ✓ 3. Only (iii)
 - ✗ 4. Both (ii) and (iii)

Question ID : 75189712665

Option 1 ID : 75189750657

Option 2 ID : 75189750659

Option 3 ID : 75189750658

Option 4 ID : 75189750660

Status : Answered

Chosen Option : 2

Q.34 In the year 2022, tech giant Microsoft has announced to set up its fourth data centre in which of the following cities of India?

- Ans**
- ✗ 1. Bengaluru
 - ✓ 2. Hyderabad
 - ✗ 3. Delhi
 - ✗ 4. Mumbai

Question ID : 75189712438

Option 1 ID : 75189749750

Option 2 ID : 75189749749

Option 3 ID : 75189749752

Option 4 ID : 75189749751

Status : Answered

Chosen Option : 1

Q.35 Refer to the following letter series and answer the question.

(Left) B E S U Y N O A P S B G S A X T G (Right)

How many letters are there in the English alphabetical series between the letter which is sixth from the left end and the letter which is fifth from the right end of the given series?

Ans ☒ 1. 4

☒ 2. 3

☒ 3. 6

☒ 4. 5

Question ID : 7518977660

Option 1 ID : 75189730638

Option 2 ID : 75189730637

Option 3 ID : 75189730640

Option 4 ID : 75189730639

Status : Answered

Chosen Option : 3

Q.36 A heating device of power 1100 W is designed to operate at 220 V line voltage. If on a particular day the line voltage drops to 110 V, then the current through it and its output power will be _____ and _____.

Ans ☒ 1. 10 A, 275 W

☒ 2. 5 A, 550 W

☒ 3. 10 A, 550W

☒ 4. 2.5 A, 275 W

Question ID : 75189714108

Option 1 ID : 75189756432

Option 2 ID : 75189756429

Option 3 ID : 75189756430

Option 4 ID : 75189756431

Status : Answered

Chosen Option : 3

Q.37 Bansi starts from Point A and drives 18 km towards the west. He then takes a left turn, drives 8 km, turns right and drives 3 km. He then takes a right turn and drives 4 km, takes a right turn and drives 21 km and stops at Point B. How far and towards which direction should he drive in order to reach Point A from Point B? (All turns are 90 degree turns only)

Ans ☒ 1. 4 km towards the north

☒ 2. 8 km towards the south

☒ 3. 6 km towards the east

☒ 4. 4 km towards the south

Question ID : 75189714489

Option 1 ID : 75189757953

Option 2 ID : 75189757956

Option 3 ID : 75189757955

Option 4 ID : 75189757954

Status : Answered

Chosen Option : 1

Q.38

- Ans ☒ 1. primes
- ☒ 2. co-primes, and composite numbers
- ☒ 3. co-primes, but not composite numbers
- ☒ 4. composite numbers, but not co-primes

Question ID : 75189712922

Option 1 ID : 75189751686

Option 2 ID : 75189751688

Option 3 ID : 75189751685

Option 4 ID : 75189751687

Status : Answered

Chosen Option : 3

Q.39 Why do plants lack a defined excretory system like kidneys in mammals?

- Ans ☒ 1. They excrete through their vegetative parts
- ☒ 2. Because plants do not produce waste materials
- ☒ 3. Because plants produce only gaseous wastes which diffuse out
- ☒ 4. Because plants lack a circulatory system

Question ID : 75189712258

Option 1 ID : 75189749029

Option 2 ID : 75189749030

Option 3 ID : 75189749031

Option 4 ID : 75189749032

Status : Answered

Chosen Option : 1

Q.40 The nature of the roots of the quadratic equation $x^2 + 4x + 8 = 0$ is:

- Ans ☒ 1. real, irrational, unequal roots
- ☒ 2. real, rational, unequal roots
- ☒ 3. real, rational, equal roots
- ☒ 4. not real roots

Question ID : 75189712847

Option 1 ID : 75189751386

Option 2 ID : 75189751387

Option 3 ID : 75189751388

Option 4 ID : 75189751385

Status : Answered

Chosen Option : 2

Q.41

- Ans ☒ 1. $za^2 - zb^2$
☒ 2. $a^2 - b^2$
☒ 3. $za^2 + zb^2$
☒ 4. $yza^2 - yzb^2$

Question ID : 75189713299

Option 1 ID : 75189753195

Option 2 ID : 75189753196

Option 3 ID : 75189753193

Option 4 ID : 75189753194

Status : Answered

Chosen Option : 1

Q.42 As of April 2022, what is the maximum strength of Rajya Sabha?

- Ans ☒ 1. 275
☒ 2. 325
☒ 3. 300
☒ 4. 250

Question ID : 75189712521

Option 1 ID : 75189750083

Option 2 ID : 75189750081

Option 3 ID : 75189750082

Option 4 ID : 75189750084

Status : Not Answered

Chosen Option : --

Q.43 As on August 2022, under the Pradhan Mantri Jeevan Jyoti Bima Yojana(PMJJB),the life cover of Rs. _____ lakhs shall be for the one year period stretching from 1st June to 31st May and will be renewable.

- Ans ☒ 1. 1
☒ 2. 2
☒ 3. 1.5
☒ 4. 2.5

Question ID : 75189711110

Option 1 ID : 75189744437

Option 2 ID : 75189744439

Option 3 ID : 75189744438

Option 4 ID : 75189744440

Status : Answered

Chosen Option : 2

Q.44

- Ans  1. 12.5 cm
 2. 10.5 cm
 3. 11.5 cm
 4. 13.5 cm

Question ID : 75189712859
Option 1 ID : 75189751435
Option 2 ID : 75189751433
Option 3 ID : 75189751434
Option 4 ID : 75189751436
Status : Not Answered
Chosen Option : --

Q.45 According to the Constitution of India, the 'Protection of life and personal liberty' is a part of which Fundamental Right from the following?

- Ans  1. Right against Exploitation
 2. Right to Freedom
 3. Right to Equality
 4. Right to Constitutional Remedies

Question ID : 75189712516
Option 1 ID : 75189750064
Option 2 ID : 75189750063
Option 3 ID : 75189750061
Option 4 ID : 75189750062
Status : Not Answered
Chosen Option : --

Q.46 A, B, C, D, E, F and G are seven students standing in a row facing North. D stands at the exact centre of the row. A stands second from the right end of the row. B stands second to the left of D. G stands exactly between D and A. F stands third from the left end of the row. C is the immediate neighbour of B. Who stands fifth from the left end of the row?

- Ans  1. A
 2. F
 3. E
 4. G

Question ID : 75189714723
Option 1 ID : 75189758891
Option 2 ID : 75189758890
Option 3 ID : 75189758889
Option 4 ID : 75189758892
Status : Answered
Chosen Option : 4

Q.47

Ans ☒ 1.

The organic matter remains almost constant generation over generation.

☒ 2.

No organisms are added or removed from the biotic component.

☒ 3.

It is not dependent on radiant energy for its maintenance.

☒ 4.

The organisms are well adapted to the local biotic components.

Question ID : 75189712307

Option 1 ID : 75189749228

Option 2 ID : 75189749226

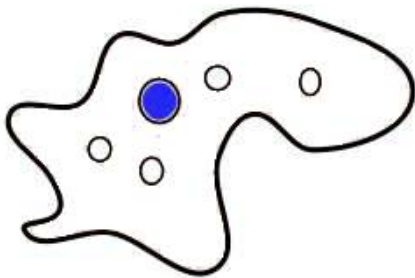
Option 3 ID : 75189749225

Option 4 ID : 75189749227

Status : Answered

Chosen Option : 4

Q.48 How does the following organism get rid of its nitrogenous wastes?



Ans ☒ 1. Through excretory vacuoles

☒ 2. By simple diffusion

☒ 3. By secretion

☒ 4. By depositing crystals in vacuoles

Question ID : 75189712276

Option 1 ID : 75189749103

Option 2 ID : 75189749102

Option 3 ID : 75189749101

Option 4 ID : 75189749104

Status : Answered

Chosen Option : 1

Q.49

Ans ☒ 1.

He took a tall plant and a short plant, produced progeny by crossing them and in the resulting F1 progeny, all plants were tall.

☒ 2.

Mendel used a number of contrasting visible characters of garden peas – round/wrinkled seeds, tall/short plants.

☒ 3.

Appearance of both the tallness and shortness traits in F2 progeny indicated that both the traits were inherited in the F1 plants.

☒ 4.

In the second-generation, or F2 generation which are the progeny of the F1 tall plants, all the plants are tall.

Question ID : 75189712578

Option 1 ID : 75189750310

Option 2 ID : 75189750309

Option 3 ID : 75189750312

Option 4 ID : 75189750311

Status : Not Answered

Chosen Option : --

Q.50 Simplify the given expression.

$$3x(x - 9) - 9x^2 + 2x + 24 - x^3$$

Ans ☒ 1. $24 + 25x - 6x^2 - x^3$

☒ 2. $24 - 25x - 6x^2 - x^3$

☒ 3. $24 - 25x + 6x^2 - x^3$

☒ 4. $24 - 25x - 6x^2 + x^3$

Question ID : 75189712995

Option 1 ID : 75189751980

Option 2 ID : 75189751977

Option 3 ID : 75189751979

Option 4 ID : 75189751978

Status : Answered

Chosen Option : 2

Q.51 Which of the following belongs to homologous series of alkenes?

Ans ☒ 1. C_3H_8

☒ 2. C_3H_4

☒ 3. C_5H_{12}

☒ 4. C_3H_6

Question ID : 75189713957

Option 1 ID : 75189755825

Option 2 ID : 75189755827

Option 3 ID : 75189755828

Option 4 ID : 75189755826

Status : Marked For Review

Chosen Option : 3

Q.52

- Ans ☒ 1. perpendicular to the direction of current and magnetic field
- ☒ 2.
parallel to the direction of magnetic field and perpendicular to the direction of current
- ☒ 3. parallel to the direction of current and magnetic field
- ☒ 4.
parallel to the direction of current and perpendicular to the direction of magnetic field

Question ID : 75189713869

Option 1 ID : 75189755473

Option 2 ID : 75189755476

Option 3 ID : 75189755474

Option 4 ID : 75189755475

Status : Marked For Review

Chosen Option : 2

Q.53 Which of the following statements regarding reproduction in flowering plants is FALSE?

- Ans ☒ 1. Reproduction may occur through seeds.
- ☒ 2. Reproduction may occur from fragments of stems.
- ☒ 3. Reproduction may occur through spores.
- ☒ 4.
Reproduction may occur from tissues separated from the plant and grown on an artificial medium.

Question ID : 75189714875

Option 1 ID : 75189759497

Option 2 ID : 75189759498

Option 3 ID : 75189759499

Option 4 ID : 75189759500

Status : Answered

Chosen Option : 4

Q.54 Identify the quadratic equation one of whose roots is $4 + \sqrt{3}$.

- Ans ☒ 1. $x^2 - 8x + 11 = 0$
- ☒ 2. $x^2 + 8x + 11 = 0$
- ☒ 3. $x^2 + 8x + 13 = 0$
- ☒ 4. $x^2 - 8x + 13 = 0$

Question ID : 75189712838

Option 1 ID : 75189751351

Option 2 ID : 75189751352

Option 3 ID : 75189751349

Option 4 ID : 75189751350

Status : Answered

Chosen Option : 4

Q.55

- Ans
- ☒ 1. $P \geq U$
 - ☒ 2. $Q > S$
 - ☒ 3. $Z > U$
 - ☒ 4. $I < P$

Question ID : 75189714206

Option 1 ID : 75189756824

Option 2 ID : 75189756821

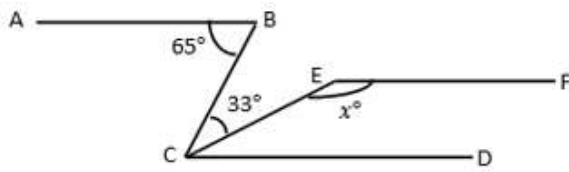
Option 3 ID : 75189756822

Option 4 ID : 75189756823

Status : Answered

Chosen Option : 4

Q.56 In the given figure, $AB \parallel CD \parallel EF$. The value of x° is:



- Ans
- ☒ 1. 147°
 - ☒ 2. 126°
 - ☒ 3. 115°
 - ☒ 4. 148°

Question ID : 75189712874

Option 1 ID : 75189751493

Option 2 ID : 75189751496

Option 3 ID : 75189751495

Option 4 ID : 75189751494

Status : Answered

Chosen Option : 4

Q.57

Simplify $\left(\frac{16a^{\frac{4}{3}}b^{\frac{-5}{6}}}{a^{\frac{-2}{3}}b^{\frac{1}{6}}}\right)^{\frac{1}{2}}$.

Ans

☒ 1. $\frac{4a}{b^2}$

☒ 2. $\frac{a}{b^{\frac{1}{2}}}$

☒ 3. $\frac{4a}{b^{\frac{1}{2}}}$

☒ 4. $\frac{1}{(ab)^{\frac{1}{2}}}$

Question ID : 75189713447

Option 1 ID : 75189753788

Option 2 ID : 75189753786

Option 3 ID : 75189753787

Option 4 ID : 75189753785

Status : Answered

Chosen Option : 3

Q.58 Which of the following factors does NOT determine the climate of India?

Ans

☒ 1. Distribution of land and water

☒ 2. Surface area of the country

☒ 3. Latitude

☒ 4. Altitude

Question ID : 75189712400

Option 1 ID : 75189749598

Option 2 ID : 75189749600

Option 3 ID : 75189749597

Option 4 ID : 75189749599

Status : Answered

Chosen Option : 2

Q.59 The marks of a student increased from 10 to 12. Find the percentage increase in the marks.

Ans

☒ 1. 12%

☒ 2. 17%

☒ 3. 2%

☒ 4. 20%

Question ID : 75189713286

Option 1 ID : 75189753141

Option 2 ID : 75189753144

Option 3 ID : 75189753143

Option 4 ID : 75189753142

Status : Answered

Chosen Option : 4

Q.60

- Ans
- ☒ 1. 123.9 km/h
 - ☒ 2. 122.8 km/h
 - ☒ 3. 124.8 km/h
 - ☒ 4. 125.0 km/h

Question ID : 75189713342

Option 1 ID : 75189753365

Option 2 ID : 75189753366

Option 3 ID : 75189753368

Option 4 ID : 75189753367

Status : Answered

Chosen Option : 3

Q.61 In a certain code language, 'ASIDE' is written as 'CVMIK' and 'ARRAY' is written as 'CUVFE'. How will 'BOUND' be written in that language?

- Ans
- ☒ 1. DRYSJ
 - ☒ 2. DRSJY
 - ☒ 3. DRJSY
 - ☒ 4. DRYJS

Question ID : 7518978279

Option 1 ID : 75189733116

Option 2 ID : 75189733114

Option 3 ID : 75189733115

Option 4 ID : 75189733113

Status : Answered

Chosen Option : 1

Q.62 If the base area of a right circular cylinder is 346.50 cm^2 and its height is 21 cm, then find its total surface area.

[Use $\pi = \frac{22}{7}$]

- Ans
- ☒ 1. 2145 cm^2
 - ☒ 2. 2231 cm^2
 - ☒ 3. 2079 cm^2
 - ☒ 4. 2352 cm^2

Question ID : 75189712866

Option 1 ID : 75189751462

Option 2 ID : 75189751463

Option 3 ID : 75189751461

Option 4 ID : 75189751464

Status : Not Attempted and
Marked For Review

Chosen Option : --

Q.63

- Ans
- ☒ 1. 2
 - ☒ 2. 3.3
 - ☒ 3. 2.2
 - ☒ 4. 1.1

Question ID : 75189712704

Option 1 ID : 75189750813

Option 2 ID : 75189750815

Option 3 ID : 75189750816

Option 4 ID : 75189750814

Status : Answered

Chosen Option : 3

Q.64 Which of the following Acts empowered the British East India Company to retain the territories and the revenues in India in trust for the crown not for any specified period?

- Ans
- ☒ 1. The Government of India Act, 1935
 - ☒ 2. The Regulating Act, 1773
 - ☒ 3. The Charter Act, 1853
 - ☒ 4. The Indian Council Act, 1909

Question ID : 7518978842

Option 1 ID : 75189735368

Option 2 ID : 75189735365

Option 3 ID : 75189735367

Option 4 ID : 75189735366

Status : Not Answered

Chosen Option : --

Q.65 If $3 \sin^2 \theta + 7 \cos^2 \theta = 6$ and $0 < \theta \leq 90^\circ$, then the value of θ is:

- Ans
- ☒ 1. 90°
 - ☒ 2. 60°
 - ☒ 3. 30°
 - ☒ 4. 45°

Question ID : 75189712884

Option 1 ID : 75189751533

Option 2 ID : 75189751534

Option 3 ID : 75189751536

Option 4 ID : 75189751535

Status : Answered

Chosen Option : 4

Q.66

- Ans  1. 60%
-  2. 50%
-  3. 70%
-  4. 80%

Question ID : 75189712473
Option 1 ID : 75189749890
Option 2 ID : 75189749889
Option 3 ID : 75189749891
Option 4 ID : 75189749892
Status : Not Answered
Chosen Option : --

Q.67 Which of the following languages does NOT enjoy classical status in India?

- Ans  1. Maithili
-  2. Kannada
-  3. Telugu
-  4. Malayalam

Question ID : 75189714048
Option 1 ID : 75189756189
Option 2 ID : 75189756192
Option 3 ID : 75189756190
Option 4 ID : 75189756191
Status : Not Answered
Chosen Option : --

Q.68 Six workers with the initials C, E, G, J, L and M are sitting around a circular table, facing the centre and at equal distance from each other, not necessarily in the same order. J sits at the immediate right of E. E sits second to the left of M. L sits at the left of E. G sits second to the left of L. C sits at the immediate left of L. M sits at the immediate left of G. Who sits second to the left of E?

- Ans  1. J
-  2. G
-  3. M
-  4. C

Question ID : 75189714958
Option 1 ID : 75189759830
Option 2 ID : 75189759829
Option 3 ID : 75189759831
Option 4 ID : 75189759832
Status : Answered
Chosen Option : 4

Q.69

- Ans
- ☒ 1. Near a large and busy international airport
 - ☒ 2. Near a large open landfill site
 - ☒ 3. In the corner of a small one-storey house
 - ☒ 4. In the yard of a large housing complex

Question ID : 75189712327
Option 1 ID : 75189749308
Option 2 ID : 75189749307
Option 3 ID : 75189749306
Option 4 ID : 75189749305
Status : Answered
Chosen Option : 1

Q.70 If $\sqrt{y} + \sqrt{121} = 0.03$, then find the value of y , giving your answer correct to 3 decimal places.

- Ans
- ☒ 1. 1.760
 - ☒ 2. 0.109
 - ☒ 3. 0.176
 - ☒ 4. 1.640

Question ID : 75189712902
Option 1 ID : 75189751607
Option 2 ID : 75189751605
Option 3 ID : 75189751606
Option 4 ID : 75189751608
Status : Answered
Chosen Option : 3

Q.71 Which of the following elements shows maximum metallic character?

- Ans
- ☒ 1. Sc
 - ☒ 2. Ga
 - ☒ 3. Be
 - ☒ 4. As

Question ID : 75189714706
Option 1 ID : 75189758823
Option 2 ID : 75189758821
Option 3 ID : 75189758824
Option 4 ID : 75189758822
Status : Answered
Chosen Option : 1

Q.72

- Ans ☒ 1. 2000
☒ 2. 2007
☒ 3. 2005
☒ 4. 2003

Question ID : 7518979406
Option 1 ID : 75189737624
Option 2 ID : 75189737621
Option 3 ID : 75189737622
Option 4 ID : 75189737623
Status : Marked For Review
Chosen Option : 3

Q.73 A ray of light in air is incident at an angle of 60° on the surface separating air from a medium of refractive index $\sqrt{3/2}$. The ray is refracted in the medium at an angle of _____.

- Ans ☒ 1. 45°
☒ 2. 15°
☒ 3. 60°
☒ 4. 30°

Question ID : 7518976616
Option 1 ID : 75189726463
Option 2 ID : 75189726461
Option 3 ID : 75189726464
Option 4 ID : 75189726462
Status : Not Attempted and Marked For Review
Chosen Option : --

Q.74 Which place receives the highest rainfall in the world?

- Ans ☒ 1. Tura Peak
☒ 2. Mawsynram
☒ 3. Kangto
☒ 4. Dhupgarh

Question ID : 7518977530
Option 1 ID : 75189730118
Option 2 ID : 75189730117
Option 3 ID : 75189730120
Option 4 ID : 75189730119
Status : Not Answered
Chosen Option : --

Q.75

Ans

✓ 1. $a + b - \frac{ab}{100}$

✗ 2. $a + b + \frac{ab}{100}$

✗ 3. $a + b - \frac{a - b}{100}$

✗ 4. $a + b - \frac{a + b}{100}$

Question ID : 75189713319

Option 1 ID : 75189753274

Option 2 ID : 75189753273

Option 3 ID : 75189753276

Option 4 ID : 75189753275

Status : Answered

Chosen Option : 1

Q.76 Which of the following is NOT a leap year?

Ans ✗ 1. 3600

✓ 2. 2200

✗ 3. 2800

✗ 4. 6800

Question ID : 75189713576

Option 1 ID : 75189754304

Option 2 ID : 75189754302

Option 3 ID : 75189754301

Option 4 ID : 75189754303

Status : Answered

Chosen Option : 2

Q.77 Double displacement reaction occurs between:

Ans ✗ 1. covalent compounds

✓ 2. ionic compounds

✗ 3. both ionic and covalent compounds

✗ 4. neither ionic nor covalent compounds

Question ID : 75189714769

Option 1 ID : 75189759074

Option 2 ID : 75189759073

Option 3 ID : 75189759075

Option 4 ID : 75189759076

Status : Answered

Chosen Option : 2

Q.78

- Ans
- ☒ 1. Chief justice of High Court
 - ☒ 2. Governor of state
 - ☒ 3. Law commission of India
 - ☒ 4. Supreme Court

Question ID : 7518979447
Option 1 ID : 75189737786
Option 2 ID : 75189737788
Option 3 ID : 75189737787
Option 4 ID : 75189737785
Status : Not Answered
Chosen Option : --

Q.79 A certain number of people are sitting in a row, facing north. Only four people are sitting to the left of C. Only three people are sitting to the right of B. A is sitting fourth to the left of B. A is sitting fourth to the right of E. C is sitting third to the left of E. If no other person is sitting in the row, what is the total number of persons seated?

- Ans
- ☒ 1. 23
 - ☒ 2. 24
 - ☒ 3. 19
 - ☒ 4. 21

Question ID : 75189713494
Option 1 ID : 75189753976
Option 2 ID : 75189753973
Option 3 ID : 75189753974
Option 4 ID : 75189753975
Status : Answered
Chosen Option : 3

Q.80 In this question, a statement is followed by two conclusions numbered I and II. You have to assume everything in the statement to be true and decide which of them logically follows beyond a reasonable doubt from the information given in the statement.

Statement –

Price of onions has increased by 60 percent due to shortage of onions in the market.

Conclusion –

- I. Government can consider importing onions to bring down prices.
- II. People must stop eating onions and switch to potatoes instead.

Ans

- ☒ 1. Only conclusion I follows
- ☐ 2. Both conclusions I and II follow
- ☐ 3. Only conclusion II follows
- ☐ 4. Neither conclusion I nor II follows

Question ID : 75189713174

Option 1 ID : 75189752693

Option 2 ID : 75189752696

Option 3 ID : 75189752694

Option 4 ID : 75189752695

Status : Answered

Chosen Option : 1

Q.81 Which of the following compounds is formed when baking soda is heated?

Ans

- ☐ 1. Calcium oxide
- ☐ 2. Sodium oxide
- ☒ 3. Sodium carbonate
- ☐ 4. Sodium hydroxide

Question ID : 75189710368

Option 1 ID : 75189741470

Option 2 ID : 75189741469

Option 3 ID : 75189741471

Option 4 ID : 75189741472

Status : Answered

Chosen Option : 4

Q.82

- Ans
- ☒ 1. YBAAZBDAYBC
 - ☒ 2. YBDBACDBXBC
 - ☒ 3. YBACBCDAXAC
 - ☒ 4. YBABZCDAXBC

Question ID : 75189713094

Option 1 ID : 75189752374

Option 2 ID : 75189752376

Option 3 ID : 75189752373

Option 4 ID : 75189752375

Status : Answered

Chosen Option : 4

Q.83 Which of the following players won a gold at the IBA Women's World Boxing Championship 2022?

- Ans
- ☒ 1. Lekha KC
 - ☒ 2. Nikhat Zareen
 - ☒ 3. Mary Kom
 - ☒ 4. Sarita Devi

Question ID : 75189712542

Option 1 ID : 75189750168

Option 2 ID : 75189750165

Option 3 ID : 75189750167

Option 4 ID : 75189750166

Status : Not Answered

Chosen Option : --

Q.84 Straight line FB is parallel to straight line GD. A is a point on straight line FB and C is a point on straight line GD. E is a point between FB and GD such that $\angle BAE = 118^\circ$ and $\angle DCE = 112^\circ$. What is the measure of $\frac{1}{2} \angle AEC$?

- Ans
- ☒ 1. 75°
 - ☒ 2. 65°
 - ☒ 3. 72°
 - ☒ 4. 62°

Question ID : 75189712655

Option 1 ID : 75189750620

Option 2 ID : 75189750618

Option 3 ID : 75189750619

Option 4 ID : 75189750617

Status : Not Answered

Chosen Option : --

Q.85

- Ans ☒ 1. Ethane
☒ 2. Methane
☒ 3. Butane
☒ 4. Propane

Question ID : 75189714750

Option 1 ID : 75189758998

Option 2 ID : 75189759000

Option 3 ID : 75189758999

Option 4 ID : 75189758997

Status : Not Answered

Chosen Option : --

Q.86 What is the rumen?

- Ans ☒ 1. The region of the gut where cud is formed
☒ 2. The first part of the duodenum of a cow
☒ 3. A chamber of the stomach to store food
☒ 4. A sac-like structure of the oesophagus

Question ID : 75189710082

Option 1 ID : 75189740327

Option 2 ID : 75189740328

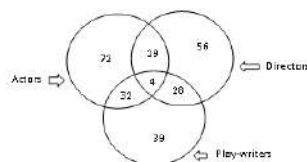
Option 3 ID : 75189740326

Option 4 ID : 75189740325

Status : Not Answered

Chosen Option : --

Q.87 Study the given diagram carefully and answer the question. The numbers in different sections indicate the number of persons.



How many such actors are there who are also directors but NOT play-writers?

- Ans ☒ 1. 19
☒ 2. 23
☒ 3. 4
☒ 4. 32

Question ID : 75189713042

Option 1 ID : 75189752165

Option 2 ID : 75189752168

Option 3 ID : 75189752166

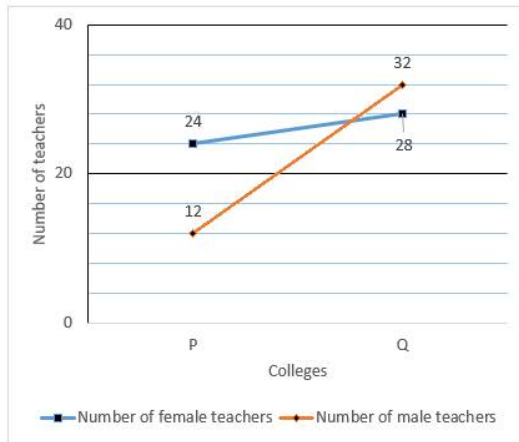
Option 4 ID : 75189752167

Status : Answered

Chosen Option : 1

Q.88 Study the given line graph and answer the following question.

The given line graph depicts the number of teachers (male and female) in two colleges P and Q.



The number of female teachers in college P is what percentage of male teachers in college Q?

- Ans
- ☒ 1. 80%
 - ☒ 2. 90%
 - ☒ 3. 85%
 - ☒ 4. 75%

Question ID : **75189712721**

Option 1 ID : **75189750882**

Option 2 ID : **75189750884**

Option 3 ID : **75189750883**

Option 4 ID : **75189750881**

Status : **Answered**

Chosen Option : **4**

Q.89 The position of how many letters will remain unchanged if each of the letters in the word **BRACKET** is arranged in alphabetical order?

- Ans
- ☒ 1. Zero
 - ☒ 2. One
 - ☒ 3. Two
 - ☒ 4. Three

Question ID : **75189713479**

Option 1 ID : **75189753914**

Option 2 ID : **75189753915**

Option 3 ID : **75189753913**

Option 4 ID : **75189753916**

Status : **Answered**

Chosen Option : **3**

Q.90

- Ans
- ☒ 1. Pancreatic juice
 - ☒ 2. Intestinal juice
 - ☒ 3. Gastric juice
 - ☒ 4. Bile juice

Question ID : 75189710192
Option 1 ID : 75189740768
Option 2 ID : 75189740765
Option 3 ID : 75189740767
Option 4 ID : 75189740766
Status : Answered
Chosen Option : 1

Q.91 A number is split into two parts such that one part is 14 more than the other, and the ratio of the two parts is 7 : 5. Find the number.

- Ans
- ☒ 1. 54
 - ☒ 2. 49
 - ☒ 3. 84
 - ☒ 4. 35

Question ID : 75189713007
Option 1 ID : 75189752028
Option 2 ID : 75189752027
Option 3 ID : 75189752025
Option 4 ID : 75189752026
Status : Not Answered
Chosen Option : --

Q.92 Prakash and Vinesh can complete a certain piece of work in 12 and 14 days, respectively. They started to work together, and after 3 days, Vinesh left. In how many days will Prakash complete the remaining work?

- Ans
- ☒ 1. $\frac{45}{7}$
 - ☒ 2. 44
 - ☒ 3. $\frac{43}{8}$
 - ☒ 4. $\frac{44}{7}$

Question ID : 75189713330
Option 1 ID : 75189753319
Option 2 ID : 75189753320
Option 3 ID : 75189753318
Option 4 ID : 75189753317
Status : Answered
Chosen Option : 1

Q.93

- Ans
- ☒ 1. KC 47
 - ☒ 2. CK 48
 - ☒ 3. KC 48
 - ☒ 4. CK 74

Question ID : 7518979865

Option 1 ID : 75189739457

Option 2 ID : 75189739459

Option 3 ID : 75189739458

Option 4 ID : 75189739460

Status : Answered

Chosen Option : 3

Q.94 Three statements are followed by three conclusions numbered I, II and III. You have to consider these statements to be true, even if they seem to be at variance with commonly known facts. Decide which of the given conclusions logically follow(s) from the given statements.

Statements:

All apples are papayas

Some papayas are berries

Some berries are cherries

Conclusions:

(I) Some berries are papayas

(II) All papayas are apples

(III) Some cherries are berries

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

Question ID : 75189714524

Option 1 ID : 75189758096

Option 2 ID : 75189758094

Option 3 ID : 75189758095

Option 4 ID : 75189758093

Status : Answered

Chosen Option : 3

Q.95 In the following table, mirror, its application and the justification for the application are given. Identify the rows in which the information is completely correct, with regard to given spherical mirrors in column 2.

	Mirror	Application	Justification
1	Concave	Dentist Mirror	Virtual, Erect and Magnified Image
2	Convex	Street Lights	Diverges the light rays hence wider field of view is possible
3	Concave	Solar Furnace	Converges light rays from a distant source like sun
4	Convex	Rearview Mirrors	Virtual erect and enlarged images are formed

- Ans  1. 1, 2, 3 and 4
 2. Only 1
 3. Only 1 and 2
 4. Only 1, 2 and 3

Question ID : **75189714097**
Option 1 ID : **75189756388**
Option 2 ID : **75189756385**
Option 3 ID : **75189756386**
Option 4 ID : **75189756387**
Status : **Not Answered**
Chosen Option : --

Q.96 If $21.134 \times 10^x = 0.0021134$, then find the value of x .

- Ans  1. -3
 2. 0
 3. -2
 4. -4

Question ID : **75189712906**
Option 1 ID : **75189751622**
Option 2 ID : **75189751624**
Option 3 ID : **75189751623**
Option 4 ID : **75189751621**
Status : **Answered**
Chosen Option : **4**

Q.97

- Ans
- ☐ 1. 10 years
 - ☐ 2. 12 years
 - ☒ 3. 11 years
 - ☐ 4. 13 years

Question ID : 75189712831
Option 1 ID : 75189751321
Option 2 ID : 75189751323
Option 3 ID : 75189751322
Option 4 ID : 75189751324
Status : Answered
Chosen Option : 4

Q.98 Which of the following statements is INCORRECT about soil formation?

- Ans
- ☒ 1. Altitude and slope determine the rate of humus formation.
 - ☐ 2. Time determines thickness of soil profile.
 - ☐ 3. Temperature and rainfall influence rate of weathering.
 - ☐ 4. Parent rock determines colour.

Question ID : 75189714010
Option 1 ID : 75189756039
Option 2 ID : 75189756040
Option 3 ID : 75189756038
Option 4 ID : 75189756037
Status : Answered
Chosen Option : 2

Q.99 The marked price of a car is ₹5,00,000. Under a scheme successive discount of 10% and 8% are offered on it. Find the total discount offered while selling the car under the given scheme.

- Ans
- ☐ 1. ₹90,000
 - ☐ 2. ₹76,000
 - ☒ 3. ₹86,000
 - ☐ 4. ₹82,000

Question ID : 75189713425
Option 1 ID : 75189753698
Option 2 ID : 75189753697
Option 3 ID : 75189753700
Option 4 ID : 75189753699
Status : Answered
Chosen Option : 3

Q.100

Ans  1. 340

 2. 350

 3. 320

 4. 334

Question ID : **75189713124**

Option 1 ID : **75189752495**

Option 2 ID : **75189752496**

Option 3 ID : **75189752493**

Option 4 ID : **75189752494**

Status : **Answered**

Chosen Option : **1**