



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 1 Mathura Road
Test Date	13/09/2022
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 Which of the following gases is released when zinc oxide reacts with carbon?

- Ans
- ☒ 1. Carbon dioxide
 - ☒ 2. Methane
 - ☒ 3. Carbon monoxide
 - ☒ 4. Ozone

Question ID : 75189710353

Option 1 ID : 75189741410

Option 2 ID : 75189741411

Option 3 ID : 75189741409

Option 4 ID : 75189741412

Status : Answered

Chosen Option : 1

Q.2 A statement is given below, followed by four conclusions given in the options. Find out which conclusion is true based on the given statement.

Statement: $X \leq F \leq U \geq A < Z > J$

- Ans
- ☒ 1. $F \leq U \geq A$
 - ☒ 2. $U \geq A \geq F$
 - ☒ 3. $A < Z < X$
 - ☒ 4. $U > Z > J$

Question ID : 7518978220

Option 1 ID : 75189732879

Option 2 ID : 75189732877

Option 3 ID : 75189732880

Option 4 ID : 75189732878

Status : Answered

Chosen Option : 1

Q.3

- Ans
- ☒ 1. east
 - ☒ 2. west
 - ☒ 3. north
 - ☒ 4. south

Question ID : 7518979587

Option 1 ID : 75189738345

Option 2 ID : 75189738346

Option 3 ID : 75189738347

Option 4 ID : 75189738348

Status : Answered

Chosen Option : 3

Q.4 Which of the following elements have similar properties with Eka-silicon, Eka-boron and Eka-aluminium, respectively?

- Ans
- ☒ 1. Scandium, Gallium, and Germanium
 - ☒ 2. Germanium, Scandium, and Gallium
 - ☒ 3. Carbon, Scandium, and Indium
 - ☒ 4. Germanium, Carbon, and Gallium

Question ID : 75189710387

Option 1 ID : 75189741548

Option 2 ID : 75189741547

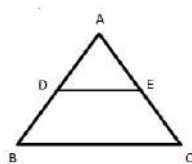
Option 3 ID : 75189741546

Option 4 ID : 75189741545

Status : Answered

Chosen Option : 3

Q.5 In the given figure, in $\triangle ABC$, $DE \parallel BC$, $AD = 7$ cm, $AE = 3.5$ cm and $DB = 6$ cm. What is the value of AC ? [Note: Diagram is not drawn to scale or measurements indicated.]



- Ans
- ☒ 1. 3 cm
 - ☒ 2. 4.5 cm
 - ☒ 3. 4 cm
 - ☒ 4. 6.5 cm

Question ID : 7518979113

Option 1 ID : 75189736449

Option 2 ID : 75189736450

Option 3 ID : 75189736452

Option 4 ID : 75189736451

Status : Answered

Chosen Option : 4

Q.6

- Ans
- ☒ 1. pH less than 7
 - ☒ 2. pH equal to 0
 - ☒ 3. pH equal to 7
 - ☒ 4. pH more than 7

Question ID : 75189710361
Option 1 ID : 75189741441
Option 2 ID : 75189741444
Option 3 ID : 75189741442
Option 4 ID : 75189741443
Status : Answered
Chosen Option : 4

Q.7 At 6:00 a.m., a wrist watch's hour hand is showing north-west, which direction will hour hand show at 9:00 p.m.?

- Ans
- ☒ 1. South
 - ☒ 2. North-East
 - ☒ 3. North-West
 - ☒ 4. South-West

Question ID : 7518979764
Option 1 ID : 75189739054
Option 2 ID : 75189739056
Option 3 ID : 75189739053
Option 4 ID : 75189739055
Status : Answered
Chosen Option : 2

Q.8 Six boxes, J, K, L, M, N and O, are kept one over the other, but not necessarily in the same order. J is kept immediately above N. Only one box is kept between K and O. O is the bottom-most box, and M is the top-most box. Which box is kept immediately below M?

- Ans
- ☒ 1. J
 - ☒ 2. N
 - ☒ 3. L
 - ☒ 4. K

Question ID : 75189710763
Option 1 ID : 75189743050
Option 2 ID : 75189743052
Option 3 ID : 75189743051
Option 4 ID : 75189743049
Status : Answered
Chosen Option : 1

Q.9 P, Q, R, S, T, U and V live on different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 7. U lives on the floor immediately above V. T lives immediately above P and immediately below R. S does not live on any floor immediately above U or above R. P lives on third floor which is immediately above Q. Who lives on the first floor?

- Ans**
- ☒ 1. T
 - ☒ 2. S
 - ☒ 3. R
 - ☒ 4. Q

Question ID : 75189710757

Option 1 ID : 75189743025

Option 2 ID : 75189743027

Option 3 ID : 75189743028

Option 4 ID : 75189743026

Status : Answered

Chosen Option : 2

Q.10 If the cost price of 24 pencils is equal to the selling price of 16 pencils, then the gain percentage is _____.

- Ans**
- ☒ 1. 25%
 - ☒ 2. 50%
 - ☒ 3. 38%
 - ☒ 4. 42%

Question ID : 75189710659

Option 1 ID : 75189742633

Option 2 ID : 75189742634

Option 3 ID : 75189742636

Option 4 ID : 75189742635

Status : Answered

Chosen Option : 2

Q.11 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. 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)

(6, 30, 54)

(16, 80, 144)

- Ans**
- ☒ 1. (12, 48, 108)
 - ☒ 2. (21, 105, 189)
 - ☒ 3. (8, 35, 72)
 - ☒ 4. (15, 75, 105)

Question ID : 75189710937

Option 1 ID : 75189743745

Option 2 ID : 75189743748

Option 3 ID : 75189743746

Option 4 ID : 75189743747

Status : Answered

Chosen Option : 2

Q.12

- Ans
- ☒ 1. 656
 - ☒ 2. 452
 - ☒ 3. 512
 - ☒ 4. 498

Question ID : 7518979791
Option 1 ID : 75189739163
Option 2 ID : 75189739164
Option 3 ID : 75189739161
Option 4 ID : 75189739162
Status : Answered
Chosen Option : 4

Q.13

What is the value of $5^5 \times (125)^{-\frac{2}{3}} \times (25)^{-\frac{1}{2}}$?

- Ans
- ☒ 1. $\frac{1}{25}$
 - ☒ 2. $\frac{1}{5}$
 - ☒ 3. 5
 - ☒ 4. 25

Question ID : 7518979100
Option 1 ID : 75189736398
Option 2 ID : 75189736399
Option 3 ID : 75189736397
Option 4 ID : 75189736400
Status : Answered
Chosen Option : 4

Q.14 One-third of a journey is covered at a speed of 25 km/h, the next one-third of the journey is covered at a speed of 40 km/h and the remaining journey is covered at a speed of 50 km/h. The average speed (in km/h, rounded off to 1 decimal place) for the entire journey is:

- Ans
- ☒ 1. 25.3
 - ☒ 2. 35.3
 - ☒ 3. 30.3
 - ☒ 4. 33.3

Question ID : 7518979969
Option 1 ID : 75189739873
Option 2 ID : 75189739876
Option 3 ID : 75189739874
Option 4 ID : 75189739875
Status : Answered
Chosen Option : 2

Q.15

- Ans ☒ 1. $\text{Pb}(\text{OH})_2$
☒ 2. PbO
☒ 3. $\text{Pb}(\text{CO}_3)_2$
☒ 4. Pb

Question ID : 75189710339

Option 1 ID : 75189741353

Option 2 ID : 75189741354

Option 3 ID : 75189741355

Option 4 ID : 75189741356

Status : Answered

Chosen Option : 2

Q.16 Is there any advantage of the structure of the nephron as a long tubular structure?

- Ans ☒ 1.
No, all nephrons are not long – some are short and others are long, but all are functional.
☒ 2.
No, the long tubular structure has no advantage because filtration occurs at the cup-shaped end.
☒ 3.
Yes, the long tube gives time and space for re-absorption of excess water from the initial filtrate.
☒ 4.
Yes, the long tubes can be coiled and packed at high density to give firmness to the kidney.

Question ID : 75189710104

Option 1 ID : 75189740415

Option 2 ID : 75189740413

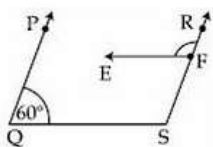
Option 3 ID : 75189740414

Option 4 ID : 75189740416

Status : Answered

Chosen Option : 3

Q.17 In the given figure, $QS \parallel EF$ and $RS \parallel PQ$. If $m\angle PQS = 60^\circ$, then $m\angle RFE = ?$



- Ans ☒ 1. 110°
☒ 2. 130°
☒ 3. 120°
☒ 4. 140°

Question ID : 7518979108

Option 1 ID : 75189736431

Option 2 ID : 75189736432

Option 3 ID : 75189736430

Option 4 ID : 75189736429

Status : Answered

Chosen Option : 3

Q.18

- Ans
- ☒ 1. 50 years
 - ☒ 2. 52 years
 - ☒ 3. 54 years
 - ☒ 4. 36 years

Question ID : 7518979296

Option 1 ID : 75189737183

Option 2 ID : 75189737181

Option 3 ID : 75189737182

Option 4 ID : 75189737184

Status : Answered

Chosen Option : 3

Q.19 The first Indian Reserve Forest is _____.

- Ans
- ☒ 1. Satpura National Park
 - ☒ 2. Kaziranga National Park
 - ☒ 3. Jim Corbett National Park
 - ☒ 4. Pench National Park

Question ID : 7518974489

Option 1 ID : 75189717956

Option 2 ID : 75189717954

Option 3 ID : 75189717955

Option 4 ID : 75189717953

Status : Answered

Chosen Option : 3

Q.20 Which of the following festivals is mainly celebrated in Vadakkunnathan temple of Kerala?

- Ans
- ☒ 1. Thrissur Pooram
 - ☒ 2. Bastar Dussehra
 - ☒ 3. Kullu Dussehra
 - ☒ 4. Thiruvathira

Question ID : 75189710542

Option 1 ID : 75189742167

Option 2 ID : 75189742165

Option 3 ID : 75189742168

Option 4 ID : 75189742166

Status : Not Answered

Chosen Option : --

Q.21

- Ans  1. 1080
 2. 8640
 3. 30240
 4. 7560

Question ID : 75189710635
Option 1 ID : 75189742537
Option 2 ID : 75189742538
Option 3 ID : 75189742540
Option 4 ID : 75189742539
Status : Answered
Chosen Option : 4

Q.22 In a certain code language, 'BRICK' is written as 'BCIKR' and 'HOTEL' is written as 'EHLOT'. How will 'SPORT' be written in that language?

- Ans  1. OPRST
 2. RSTPO
 3. OPRTS
 4. SROTP

Question ID : 7518978002
Option 1 ID : 75189732007
Option 2 ID : 75189732006
Option 3 ID : 75189732005
Option 4 ID : 75189732008
Status : Answered
Chosen Option : 1

Q.23 If 7 September 2012 is a Friday, then what will be the day of the week on 17 December 2014?

- Ans  1. Wednesday
 2. Thursday
 3. Sunday
 4. Monday

Question ID : 7518979153
Option 1 ID : 75189736611
Option 2 ID : 75189736610
Option 3 ID : 75189736612
Option 4 ID : 75189736609
Status : Answered
Chosen Option : 1

Q.24 Three statements are given, followed by two conclusions numbered I and II. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

1. All jugs are cups.
2. All cups are espressos.
3. Some jugs are saucers.

Conclusions:

- I. Some espressos are saucers.
- II. Some cups are jugs.

- Ans**
- ☒ 1. Only conclusion II follows
 - ☒ 2. Only conclusion I follows
 - ☒ 3. Both conclusions I and II follow
 - ☒ 4. Either conclusion I or II follow

Question ID : **75189710782**

Option 1 ID : **75189743126**

Option 2 ID : **75189743125**

Option 3 ID : **75189743128**

Option 4 ID : **75189743127**

Status : **Answered**

Chosen Option : **3**

Q.25 A ray of light undergoes refraction through a triangular glass prism. The angle between the incident ray and emergent ray is called:

- Ans**
- ☒ 1. angle of deviation
 - ☒ 2. angle of refraction
 - ☒ 3. angle of emergence
 - ☒ 4. angle of incidence

Question ID : **7518975425**

Option 1 ID : **75189721699**

Option 2 ID : **75189721700**

Option 3 ID : **75189721698**

Option 4 ID : **75189721697**

Status : **Answered**

Chosen Option : **2**

Q.26

Ans

 1. 39

 2. 29

 3. 9

 4. 19

Question ID : **7518973785**

Option 1 ID : **75189715140**

Option 2 ID : **75189715139**

Option 3 ID : **75189715137**

Option 4 ID : **75189715138**

Status : **Answered**

Chosen Option : **1**

Q.27 The budget expenditure of the government is broadly classified into how many categories?

Ans  1. 2

 2. 5

 3. 4

 4. 3

Question ID : **7518974038**

Option 1 ID : **75189716149**

Option 2 ID : **75189716152**

Option 3 ID : **75189716151**

Option 4 ID : **75189716150**

Status : **Answered**

Chosen Option : **3**

Q.28 Which of the following balanced equations is correct for the given reaction?

Calcium chloride – Sulphuric acid $\rightarrow$ Calcium sulphate – Hydrogen chloride

- Ans
- ☒ 1. $\text{CaCl}_2 + 2\text{H}_2\text{SO}_4 \rightarrow \text{CaSO}_4 + 2\text{HCl}$
 - ☒ 2. $\text{CaCl}_2 + \text{H}_2\text{SO}_4 \rightarrow \text{CaSO}_4 + 2\text{HCl}$
 - ☒ 3. $\text{CaCl}_2 + \text{H}_2\text{SO}_4 \rightarrow \text{CaSO}_4 + \text{HCl}$
 - ☒ 4. $2\text{CaCl}_2 + \text{H}_2\text{SO}_4 \rightarrow 2\text{CaSO}_4 + 2\text{HCl}$

Question ID : 75189710330

Option 1 ID : 75189741319

Option 2 ID : 75189741318

Option 3 ID : 75189741317

Option 4 ID : 75189741320

Status : Answered

Chosen Option : 2

Q.29 Which of the following describes the nature of the roots of the quadratic equation $4x^2 - 7\sqrt{3}x + 12 = 0$?

- Ans
- ☒ 1. One real root and one imaginary root
 - ☒ 2. Two distinct real roots
 - ☒ 3. No real roots
 - ☒ 4. Two equal roots

Question ID : 7518978773

Option 1 ID : 75189735092

Option 2 ID : 75189735091

Option 3 ID : 75189735089

Option 4 ID : 75189735090

Status : Answered

Chosen Option : 3

Q.30 A train travels 20 km in 24 minutes. If its speed is increased by 5 km/h, the time taken by it to cover the same distance will be _____ minutes.

- Ans
- ☒ 1. $29\frac{9}{11}$
 - ☒ 2. $27\frac{9}{11}$
 - ☒ 3. $21\frac{9}{11}$
 - ☒ 4. $26\frac{9}{11}$

Question ID : 75189710670

Option 1 ID : 75189742680

Option 2 ID : 75189742677

Option 3 ID : 75189742678

Option 4 ID : 75189742679

Status : Answered

Chosen Option : 3

Q.31

- Ans  1. 5, 4
 2. 1, 8
 3. 6, 3
 4. 7, 2

Question ID : 7518978758
Option 1 ID : 75189735031
Option 2 ID : 75189735032
Option 3 ID : 75189735030
Option 4 ID : 75189735029
Status : Answered
Chosen Option : 1

Q.32 Rigveda consists of a collection of:

- Ans  1. 1028 hymns
 2. 4028 hymns
 3. 2028 hymns
 4. 3028 hymns

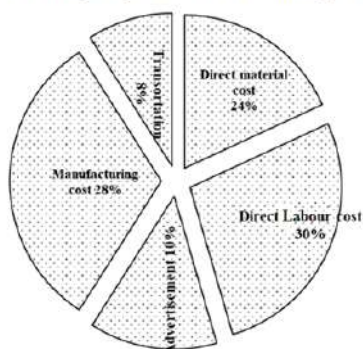
Question ID : 75189710564
Option 1 ID : 75189742253
Option 2 ID : 75189742256
Option 3 ID : 75189742254
Option 4 ID : 75189742255
Status : Answered
Chosen Option : 1

Q.33 Which of the following numbers will replace the question mark (?) in the given series?
105, 107, 103, ?, 101, 111

- Ans  1. 97
 2. 108
 3. 109
 4. 95

Question ID : 75189710910
Option 1 ID : 75189743639
Option 2 ID : 75189743637
Option 3 ID : 75189743638
Option 4 ID : 75189743640
Status : Answered
Chosen Option : 3

Q.34 The following pie chart shows the percentage distribution of the expenditure incurred in manufacturing a certain product. Study the pie chart and answer the question.



If 500 products are manufactured and the direct labour cost on them amounts to ₹ 62,500, then what should be the selling price of the product so that manufacturer can earn a profit of 50%?

- Ans
- ☒ 1. ₹700
 - ☒ 2. ₹600
 - ☒ 3. ₹625
 - ☒ 4. ₹550

Question ID : 75189710968

Option 1 ID : 75189743872

Option 2 ID : 75189743870

Option 3 ID : 75189743871

Option 4 ID : 75189743869

Status : Answered

Chosen Option : 3

Q.35 In general, the oxides of non-metals are _____ in nature.

- Ans
- ☒ 1. neutral
 - ☒ 2. amphoteric
 - ☒ 3. basic
 - ☒ 4. acidic

Question ID : 7518979703

Option 1 ID : 75189738809

Option 2 ID : 75189738812

Option 3 ID : 75189738810

Option 4 ID : 75189738811

Status : Answered

Chosen Option : 3

Q.36 Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

NE - MF - LG

LS - KT - JU

- Ans ☒ 1. BD - ZE - YF
☒ 2. ET - FS - GR
☒ 3. AV - ZW - YX
☒ 4. RG - SH - TI

Question ID : 75189710906

Option 1 ID : 75189743623

Option 2 ID : 75189743621

Option 3 ID : 75189743622

Option 4 ID : 75189743624

Status : Answered

Chosen Option : 3

Q.37 Find the value of $\sec 33^\circ \operatorname{cosec} 57^\circ - \cot 57^\circ \tan 33^\circ + \cot 47^\circ \cot 43^\circ$.

- Ans ☒ 1. 2
☒ 2. 1
☒ 3. 0
☒ 4. -1

Question ID : 7518979115

Option 1 ID : 75189736459

Option 2 ID : 75189736458

Option 3 ID : 75189736457

Option 4 ID : 75189736460

Status : Answered

Chosen Option : 1

Q.38 During which of the following years the first Five Year Plan was implemented?

- Ans ☒ 1. 1954-1959
☒ 2. 1947-1952
☒ 3. 1961-1966
☒ 4. 1951-1956

Question ID : 75189710580

Option 1 ID : 75189742318

Option 2 ID : 75189742317

Option 3 ID : 75189742320

Option 4 ID : 75189742319

Status : Answered

Chosen Option : 4

Q.39

- Ans ☒ 1. Chambal
☐ 2. Rapti
☐ 3. Tunga
☐ 4. Gandak

Question ID : 7518974277
Option 1 ID : 75189717108
Option 2 ID : 75189717106
Option 3 ID : 75189717107
Option 4 ID : 75189717105
Status : Answered
Chosen Option : 1

Q.40 Hindi continues to be the most widely spoken language in India at _____ of the population, and continues to grow at a rapid pace, mostly driven by higher population growth in Hindi speaking states as per census 2011.

- Ans ☐ 1. 42.03%
☐ 2. 44.04%
☒ 3. 43.63%
☐ 4. 41.03%

Question ID : 75189710442
Option 1 ID : 75189741768
Option 2 ID : 75189741765
Option 3 ID : 75189741766
Option 4 ID : 75189741767
Status : Not Answered
Chosen Option : --

Q.41 _____ from the Indian Institute of Science, Bengaluru, received the Shanti Swarup Bhatnagar Prize for Biological Sciences for 2021.

- Ans ☐ 1. Anish Ghosh
☒ 2. Amit Singh
☐ 3. Binoy Kumar Saikia
☐ 4. Arun Kumar Shukla

Question ID : 7518978825
Option 1 ID : 75189735300
Option 2 ID : 75189735297
Option 3 ID : 75189735298
Option 4 ID : 75189735299
Status : Not Answered
Chosen Option : --

Q.42

- Ans ☒ 1. PHJZX
☒ 2. PHZJZ
☒ 3. PHZXJ
☒ 4. PHZJX

Question ID : 7518978277
Option 1 ID : 75189733108
Option 2 ID : 75189733107
Option 3 ID : 75189733105
Option 4 ID : 75189733106
Status : Answered
Chosen Option : 4

Q.43 The sum of five consecutive even numbers is 2720. The sum of the third and fifth numbers is:

- Ans ☒ 1. 1392
☒ 2. 1292
☒ 3. 1192
☒ 4. 1092

Question ID : 7518978745
Option 1 ID : 75189734977
Option 2 ID : 75189734978
Option 3 ID : 75189734979
Option 4 ID : 75189734980
Status : Answered
Chosen Option : 4

Q.44 As of March 2022, how many High Courts are there in India?

- Ans ☒ 1. 24
☒ 2. 25
☒ 3. 23
☒ 4. 22

Question ID : 75189710605
Option 1 ID : 75189742419
Option 2 ID : 75189742420
Option 3 ID : 75189742418
Option 4 ID : 75189742417
Status : Answered
Chosen Option : 2

Q.45

- Ans ☒ 1. C-160
☒ 2. C-60
☒ 3. C-660
☒ 4. C-600

Question ID : 75189710308

Option 1 ID : 75189741230

Option 2 ID : 75189741229

Option 3 ID : 75189741232

Option 4 ID : 75189741231

Status : Answered

Chosen Option : 2

Q.46 What is the effect of bile salts in the digestion of food?

- Ans ☒ 1. They break up big fat globules into small globules.
☒ 2. They activate lipases to begin digestion of proteins.
☒ 3. They digest fat globules to release fatty acids.
☒ 4. They contains fat-digestive enzymes called lipases.

Question ID : 75189710084

Option 1 ID : 75189740334

Option 2 ID : 75189740335

Option 3 ID : 75189740333

Option 4 ID : 75189740336

Status : Answered

Chosen Option : 4

Q.47 A certain number of people are standing together, each having a different height. A is taller than D, but shorter than F. C is shorter than E and taller than B, who is taller than F. Only one person is taller than E, and only two persons are shorter than D. If no other person is part of the group, what is the total number of people in the group?

- Ans ☒ 1. Ten
☒ 2. Nine
☒ 3. Six
☒ 4. Seven

Question ID : 75189710768

Option 1 ID : 75189743069

Option 2 ID : 75189743072

Option 3 ID : 75189743070

Option 4 ID : 75189743071

Status : Answered

Chosen Option : 2

Q.48 Refer to the following letter, number and symbol series and answer the question.

(Left) H T & Q % 9 D 6 @ 6 L & 4 P Z # 5 7 U * Y (Right)

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

- Ans**
- ☒ 1. One
 - ☒ 2. Four
 - ☒ 3. Two
 - ☒ 4. Three

Question ID : **75189710842**

Option 1 ID : **75189743365**

Option 2 ID : **75189743368**

Option 3 ID : **75189743366**

Option 4 ID : **75189743367**

Status : **Answered**

Chosen Option : **4**

Q.49 What is an aquifer?

- Ans**
- ☒ 1. Pockets of freshwater trapped in sandy beds in a desert
 - ☒ 2. Water that flows through natural channels in an estuary
 - ☒ 3. Sheets of frozen water found in rocky caves at high altitudes
 - ☒ 4. Water stored underground between layers of hard rock

Question ID : **75189710123**

Option 1 ID : **75189740491**

Option 2 ID : **75189740490**

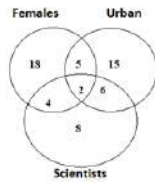
Option 3 ID : **75189740492**

Option 4 ID : **75189740489**

Status : **Answered**

Chosen Option : **4**

Q.50 Study the given diagram carefully and answer the question. The numbers in different sections indicate the number of persons.



How many such Female Scientists are there who are NOT from an Urban area?

- Ans ☒ 1. 5
☒ 2. 4
☒ 3. 2
☒ 4. 6

Question ID : 75189710784

Option 1 ID : 75189743135

Option 2 ID : 75189743134

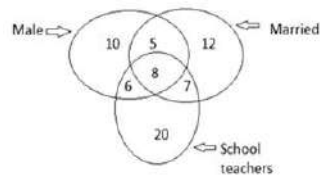
Option 3 ID : 75189743133

Option 4 ID : 75189743136

Status : Answered

Chosen Option : 2

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



How many married males are school teachers?

- Ans ☒ 1. 14
☒ 2. 8
☒ 3. 13
☒ 4. 15

Question ID : 75189710786

Option 1 ID : 75189743142

Option 2 ID : 75189743144

Option 3 ID : 75189743141

Option 4 ID : 75189743143

Status : Answered

Chosen Option : 2

Q.52

- Ans ☒ 1. 35
☐ 2. 49
☐ 3. 28
☐ 4. 27

Question ID : 7518979229
Option 1 ID : 75189736916
Option 2 ID : 75189736914
Option 3 ID : 75189736913
Option 4 ID : 75189736915
Status : Answered
Chosen Option : 1

Q.53 Which of the following methods is NOT utilised by plants to eliminate waste?

- Ans ☐ 1. Storage of waste in cell vacuoles
☐ 2. Excretion of waste in the soil
☐ 3. Elimination of waste by falling leaves
☒ 4. Elimination of waste by sweating

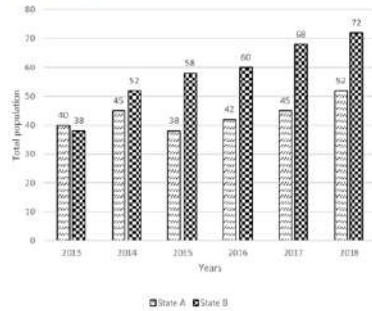
Question ID : 7518974355
Option 1 ID : 75189717417
Option 2 ID : 75189717418
Option 3 ID : 75189717420
Option 4 ID : 75189717419
Status : Answered
Chosen Option : 1

Q.54 Petroleum is called _____.

- Ans ☐ 1.
a renewable resource since a single oil well gives oil everyday
☐ 2.
a non-renewable resource since it cannot be made in a factory
☐ 3. a renewable resource since it is derived from dead plants
☒ 4.
a non-renewable resource since conditions that produced it no longer exist

Question ID : 75189710137
Option 1 ID : 75189740547
Option 2 ID : 75189740546
Option 3 ID : 75189740545
Option 4 ID : 75189740548
Status : Answered
Chosen Option : 4

Q.55 The column graph given below shows the population of two states (in lakhs) over the years. Study the graph and answer the question.



What is the difference in the population of state A and B together in years 2013 and 2018?

- Ans
- ☒ 1. 28 lakhs
 - ☒ 2. 27 lakhs
 - ☒ 3. 22.0 lakhs
 - ☒ 4. 46 lakhs

Question ID : 75189710965

Option 1 ID : 75189743859

Option 2 ID : 75189743858

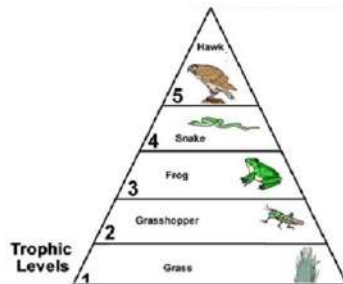
Option 3 ID : 75189743860

Option 4 ID : 75189743857

Status : Answered

Chosen Option : 3

Q.56 A simple food chain of 5 trophic levels is shown below. If the snake which is present in the fourth trophic level gets 10 kJ of energy, then what amount of energy is available at the producers?



- Ans
- ☒ 1. 100 kJ
 - ☒ 2. 1,00,00,000 kJ
 - ☒ 3. 10,000 kJ
 - ☒ 4. 1,000 kJ

Question ID : 7518974660

Option 1 ID : 75189718637

Option 2 ID : 75189718640

Option 3 ID : 75189718638

Option 4 ID : 75189718639

Status : Answered

Chosen Option : 3

Q.57

- Ans
- ☒ 1. 500 cm^2
 - ☐ 2. 550 cm^2
 - ☐ 3. 520 cm^2
 - ☐ 4. 450 cm^2

Question ID : **7518979321**
Option 1 ID : **75189737284**
Option 2 ID : **75189737281**
Option 3 ID : **75189737282**
Option 4 ID : **75189737283**

Status : **Answered**

Chosen Option : 1

Q.58

Simplify $\frac{12^3 \times 6^2 \times 8}{4^5 \times 3^5}$.

- Ans
- ☐ 1. 8
 - ☐ 2. 4
 - ☐ 3. 1
 - ☒ 4. 2

Question ID : **7518979099**
Option 1 ID : **75189736395**
Option 2 ID : **75189736394**
Option 3 ID : **75189736396**
Option 4 ID : **75189736393**

Status : **Answered**

Chosen Option : 4

Q.59 The ratio of the sum of two numbers and their difference is 8: 3. The ratio of the greater number to the smaller number is:

- Ans
- ☐ 1. 5: 11
 - ☒ 2. 11: 5
 - ☐ 3. 12: 7
 - ☐ 4. 7: 12

Question ID : **7518978664**
Option 1 ID : **75189734656**
Option 2 ID : **75189734655**
Option 3 ID : **75189734653**
Option 4 ID : **75189734654**

Status : **Answered**

Chosen Option : 2

Q.60

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

15, 26, 48, 81, 125, ?

Ans ☒ 1. 180

☐ 2. 170

☐ 3. 182

☐ 4. 169

Question ID : 75189710921

Option 1 ID : 75189743682

Option 2 ID : 75189743683

Option 3 ID : 75189743684

Option 4 ID : 75189743681

Status : Answered

Chosen Option : 1

Q.61 A 5 cm long pin is placed 50 cm far from a concave mirror of focal length 40 cm. Its image will be formed at _____.

Ans ☐ 1. 2 m behind the mirror

☒ 2. 2 m in front of the mirror

☐ 3. 1 m in front of the mirror

☐ 4. 1 m behind the mirror

Question ID : 7518979493

Option 1 ID : 75189737972

Option 2 ID : 75189737970

Option 3 ID : 75189737971

Option 4 ID : 75189737969

Status : Answered

Chosen Option : 4

Q.62 Which of the following schemes is formulated to mitigate gender disparity in science and engineering research funding in various Science & Technology programs in Indian academic institutions and R&D laboratories?

Ans ☐ 1. SERB-ENERGY

☐ 2. SERB-CONTROL

☐ 3. SERB-DRIVE

☒ 4. SERB-POWER

Question ID : 75189710521

Option 1 ID : 75189742084

Option 2 ID : 75189742082

Option 3 ID : 75189742081

Option 4 ID : 75189742083

Status : Answered

Chosen Option : 4

Q.63 Select the option 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 /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)

(6, 7, 8)

(23, 34, 45)

Ans ✓ 1. (7, 12, 17)

✗ 2. (8, 19, 28)

✗ 3. (3, 4, 9)

✗ 4. (17, 22, 25)

Question ID : 7518979780

Option 1 ID : 75189739118

Option 2 ID : 75189739120

Option 3 ID : 75189739117

Option 4 ID : 75189739119

Status : Answered

Chosen Option : 1

Q.64 Marginal cost of production refers to the change in total cost to produce _____ additional unit(s).

Ans ✓ 1. 1

✗ 2. 2

✗ 3. 3

✗ 4. 4

Question ID : 7518977513

Option 1 ID : 75189730049

Option 2 ID : 75189730050

Option 3 ID : 75189730051

Option 4 ID : 75189730052

Status : Answered

Chosen Option : 1

Q.65 When resistors are connected in parallel combination, then resultant resistance will be:

Ans ✗ 1. Equal to highest resistance

✗ 2. More than largest resistance

✓ 3. Less than least resistance

✗ 4. Equal to least resistance

Question ID : 7518979560

Option 1 ID : 75189738239

Option 2 ID : 75189738237

Option 3 ID : 75189738238

Option 4 ID : 75189738240

Status : Answered

Chosen Option : 3

Q.66

- Ans ☐ 1. Goa and Karnataka
☐ 2. Rajasthan and Haryana
☒ 3. Maharashtra and Karnataka
☐ 4. Tamil Nadu and Karnataka

Question ID : 75189710593

Option 1 ID : 75189742371

Option 2 ID : 75189742370

Option 3 ID : 75189742369

Option 4 ID : 75189742372

Status : Answered

Chosen Option : 3

Q.67

Five friends I, J, K, L and M are sitting in a row facing north. Only I is seated between L and M. K is seated 2nd from the left end and is not an immediate neighbour of M. Where is J seated?

- Ans ☐ 1. 3rd from the right end
☐ 2. At the extreme right end
☐ 3. 2nd from the right end
☒ 4. At the extreme left end

Question ID : 7518979711

Option 1 ID : 75189738841

Option 2 ID : 75189738843

Option 3 ID : 75189738842

Option 4 ID : 75189738844

Status : Answered

Chosen Option : 4

Q.68

Which of the following is/are a function of money?

- (A) Used as a store of value.
(B) Used as a measure of value.

- Ans ☐ 1. Only B
☒ 2. Both A and B
☐ 3. Neither A nor B
☐ 4. Only A

Question ID : 7518976819

Option 1 ID : 75189727274

Option 2 ID : 75189727275

Option 3 ID : 75189727276

Option 4 ID : 75189727273

Status : Answered

Chosen Option : 2

Q.69

Ans  1. Right to Constitutional Remedies

 2. Right to Freedom

 3. Right to Property

 4. Right to Equality

Question ID : 7518977556

Option 1 ID : 75189730224

Option 2 ID : 75189730222

Option 3 ID : 75189730223

Option 4 ID : 75189730221

Status : Answered

Chosen Option : 1

Q.70 Select the conclusion that is true based on the given statement.

Statement: $F > N \geq Z \leq S = B < W$

Ans  1. $F > S$

 2. $N > B$

 3. $W > Z$

 4. $N \geq W$

Question ID : 7518979832

Option 1 ID : 75189739325

Option 2 ID : 75189739327

Option 3 ID : 75189739326

Option 4 ID : 75189739328

Status : Answered

Chosen Option : 3

Q.71 Refer to the following letter arrangement and answer the question that follows.

A W S X Z E C D R V F T B H N M H Y J K I O L

How many letters are there in the given series between the letter that is third from the left end and second vowel from the right end of the given series?

Ans  1. 17

 2. 16

 3. 19

 4. 15

Question ID : 7518978992

Option 1 ID : 75189735967

Option 2 ID : 75189735966

Option 3 ID : 75189735968

Option 4 ID : 75189735965

Status : Not Answered

Chosen Option : --

Q.72

A, B, C, D, E, F, G and H are sitting around a square table facing the centre of the table (but not necessarily in the same order). Four of them are sitting at the corners while four of them are sitting at the exact centre of the sides. A is on the immediate right of H who is sitting at the exact center of one of the sides of the table. D is an immediate neighbour of A. B is sitting on the immediate right of D. F is the immediate neighbor of B and C. E is sitting to the immediate left of G. Who is sitting to the immediate left of H?

- Ans
- ✓ 1. G
 - ✗ 2. D
 - ✗ 3. F
 - ✗ 4. E

Question ID : 75189710734

Option 1 ID : 75189742935

Option 2 ID : 75189742936

Option 3 ID : 75189742933

Option 4 ID : 75189742934

Status : Answered

Chosen Option : 1

Q.73

The Young Bengal Movement was started by _____, who had come to Calcutta in 1826 and was appointed in the Hindu College as a teacher of English literature and History.

- Ans
- ✗ 1. Keshab Chandra Sen
 - ✗ 2. Pandit Ishwar Chandra Vidyasagar
 - ✓ 3. Henry Lui Vivian Derozio
 - ✗ 4. Swamy Dayanand Saraswati

Question ID : 75189710427

Option 1 ID : 75189741706

Option 2 ID : 75189741707

Option 3 ID : 75189741705

Option 4 ID : 75189741708

Status : Not Answered

Chosen Option : --

Q.74

A point on the principal axis of a concave mirror, from where a ray of light reflects back without any deviation, is:

- Ans
- ✗ 1. infinity
 - ✓ 2. centre of curvature
 - ✗ 3. pole
 - ✗ 4. principal focus

Question ID : 7518979466

Option 1 ID : 75189737864

Option 2 ID : 75189737863

Option 3 ID : 75189737861

Option 4 ID : 75189737862

Status : Answered

Chosen Option : 3

Q.75 Given below is a statement followed by two possible conclusions I and II. Read the information carefully and select the correct option.

Statement:

In order to minimise the consumption of plastic bags, the supermarkets across a metro city X have announced that all their customers need to bring their own bags or will have to buy jute bags from the supermarket that cost ₹13 per bag.

Which of the following can be concluded from the given information?

I. The revenue of plastic bag manufacturing companies catering to city X may reduce to some extent.

II. The smaller general stores across city X will not need to ban plastic bags.

Ans ☒ 1. Only I can be concluded from the given information.

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

☐ 3.

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

☐ 4. Both I and II can be concluded from the given information.

Question ID : 7518979084

Option 1 ID : 75189736333

Option 2 ID : 75189736334

Option 3 ID : 75189736336

Option 4 ID : 75189736335

Status : Answered

Chosen Option : 4

Q.76 Which country was ranked 101st in the Global Hunger Index 2021?

Ans ☐ 1. Nepal

☐ 2. Bangladesh

☐ 3. Sri Lanka

☒ 4. India

Question ID : 7518976481

Option 1 ID : 75189725923

Option 2 ID : 75189725924

Option 3 ID : 75189725921

Option 4 ID : 75189725922

Status : Not Answered

Chosen Option : --

Q.77

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

Question ID : 7518977959
Option 1 ID : 75189731835
Option 2 ID : 75189731834
Option 3 ID : 75189731833
Option 4 ID : 75189731836
Status : Answered
Chosen Option : 2

Q.78

In which country were the 22nd Commonwealth Games held?

- Ans  1. Australia
 2. India
 3. England
 4. Canada

Question ID : 7518977142
Option 1 ID : 75189728567
Option 2 ID : 75189728565
Option 3 ID : 75189728566
Option 4 ID : 75189728568
Status : Answered
Chosen Option : 3

Q.79 In which of the following years, the 73rd and 74th Constitutional Amendment Acts came into force, which gave Constitutional status to Panchayati raj institutions (PRIs) and urban local bodies (ULBs) respectively?

- Ans  1. 1993
 2. 1994
 3. 1991
 4. 1992

Question ID : 75189710609
Option 1 ID : 75189742435
Option 2 ID : 75189742436
Option 3 ID : 75189742433
Option 4 ID : 75189742434
Status : Answered
Chosen Option : 1

Q.80

- Ans ☐ 1. Thermosphere
- ☒ 2. Exosphere
- ☐ 3. Stratosphere
- ☐ 4. Mesosphere

Question ID : 7518977250

Option 1 ID : 75189728998

Option 2 ID : 75189729000

Option 3 ID : 75189728999

Option 4 ID : 75189728997

Status : Answered

Chosen Option : 2

Q.81 A real image of equal size is obtained at a distance of 48 cm from the lens. The type of the lens and its focal length is:

- Ans ☒ 1. convex lens of focal length 24 cm
- ☐ 2. convex lens of focal length 48 cm
- ☐ 3. concave lens of focal length of 48 cm
- ☐ 4. concave lens of focal length 24 cm

Question ID : 7518979512

Option 1 ID : 75189738046

Option 2 ID : 75189738047

Option 3 ID : 75189738045

Option 4 ID : 75189738048

Status : Answered

Chosen Option : 1

Q.82 The simple interest on a principal amount is ₹192 for a period of 2 years at the rate of 8% per annum. The principal amount is:

- Ans ☐ 1. ₹1,600
- ☐ 2. ₹1,000
- ☐ 3. ₹1,400
- ☒ 4. ₹1,200

Question ID : 7518979935

Option 1 ID : 75189739740

Option 2 ID : 75189739737

Option 3 ID : 75189739739

Option 4 ID : 75189739738

Status : Answered

Chosen Option : 4

Q.83

- Ans
- ☒ 1. 15
 - ☒ 2. 9
 - ☒ 3. 18
 - ☒ 4. 12

Question ID : 75189710016
Option 1 ID : 75189740063
Option 2 ID : 75189740061
Option 3 ID : 75189740064
Option 4 ID : 75189740062
Status : Answered
Chosen Option : 4

Q.84 Which of the following metals is able to liberate hydrogen gas from dilute hydrochloric acid?

- Ans
- ☒ 1. Cu
 - ☒ 2. Hg
 - ☒ 3. Ag
 - ☒ 4. Pb

Question ID : 7518979666
Option 1 ID : 75189738661
Option 2 ID : 75189738663
Option 3 ID : 75189738664
Option 4 ID : 75189738662
Status : Answered
Chosen Option : 1

Q.85 A man sells a cupboard at a certain price S, 20% of which is his profit. If the price at which he buys the cupboard increases by 10% and he sells it at a 4% higher price than S, then his profit percentage will be:

- Ans
- ☒ 1. 22.7%
 - ☒ 2. 23.4%
 - ☒ 3. 18.18%
 - ☒ 4. 21.8%

Question ID : 7518979248
Option 1 ID : 75189736991
Option 2 ID : 75189736992
Option 3 ID : 75189736989
Option 4 ID : 75189736990
Status : Answered
Chosen Option : 3

Q.86

- Ans
- ☐ 1. Glands
 - ☐ 2. Sphincters
 - ☐ 3. Cilia
 - ☒ 4. Villi

Question ID : **7518977823**
Option 1 ID : **75189731292**
Option 2 ID : **75189731291**
Option 3 ID : **75189731290**
Option 4 ID : **75189731289**

Status : **Answered**

Chosen Option : **4**

Q.87 Who is the captain of the Indian women's cricket team for the commonwealth game 2022?

- Ans
- ☐ 1. Shafali Verma
 - ☐ 2. Jhula Goswami
 - ☒ 3. Harmanpreet Kaur
 - ☐ 4. Mithali Raj

Question ID : **7518976791**
Option 1 ID : **75189727164**
Option 2 ID : **75189727163**
Option 3 ID : **75189727162**
Option 4 ID : **75189727161**

Status : **Answered**

Chosen Option : **3**

Q.88 $(34)^3$ is equal to:

- Ans
- ☒ 1. 39304
 - ☐ 2. 39204
 - ☐ 3. 40304
 - ☐ 4. 29304

Question ID : **7518979279**
Option 1 ID : **75189737115**
Option 2 ID : **75189737114**
Option 3 ID : **75189737116**
Option 4 ID : **75189737113**

Status : **Answered**

Chosen Option : **1**

Q.89

- Ans ☒ 1. One
☐ 2. Two
☐ 3. Four
☐ 4. Three

Question ID : 7518979884
Option 1 ID : 75189739533
Option 2 ID : 75189739534
Option 3 ID : 75189739536
Option 4 ID : 75189739535
Status : Answered
Chosen Option : 1

Q.90 Which of the following is an INCORRECT formula for electric power?

- Ans ☒ 1. $P = \frac{V}{I}$
☐ 2. $P = I^2 R$
☐ 3. $P = IV$
☐ 4. $P = \frac{V^2}{R}$

Question ID : 7518979574
Option 1 ID : 75189738295
Option 2 ID : 75189738293
Option 3 ID : 75189738296
Option 4 ID : 75189738294
Status : Answered
Chosen Option : 2

Q.91 Raveena travels 5 km towards South from her house. From there, she goes 7 km towards East, then 4 km towards South, then 7 km towards West and then finally 5 km towards South. How far is Raveena from her house and in which direction?

- Ans ☐ 1. 9 km, North
☐ 2. 14 km, North
☐ 3. 5 km, South
☒ 4. 14 km, South

Question ID : 75189710898
Option 1 ID : 75189743590
Option 2 ID : 75189743589
Option 3 ID : 75189743592
Option 4 ID : 75189743591
Status : Answered
Chosen Option : 4

Q.92

- Ans
- ☐ 1. 22
 - ☐ 2. 21
 - ☐ 3. 24
 - ☒ 4. 20

Question ID : 75189710953

Option 1 ID : 75189743811

Option 2 ID : 75189743810

Option 3 ID : 75189743812

Option 4 ID : 75189743809

Status : Answered

Chosen Option : 4

Q.93 The sum of the ages of a man and his son is 68 years. After 5 years, the age of man will be five times the age of his son.
The present age of the son is:

- Ans
- ☒ 1. 8 years
 - ☐ 2. 9 years
 - ☐ 3. 7 years
 - ☐ 4. 10 years

Question ID : 7518978747

Option 1 ID : 75189734987

Option 2 ID : 75189734986

Option 3 ID : 75189734988

Option 4 ID : 75189734985

Status : Answered

Chosen Option : 1

Q.94 If $1.5x = 0.02y$, then the value of $\frac{1}{\left(\frac{y+x}{y-x}\right)}$ is _____.

- Ans
- ☐ 1. $\frac{38}{37}$
 - ☐ 2. $\frac{370}{38}$
 - ☒ 3. $\frac{37}{38}$
 - ☐ 4. $\frac{37}{380}$

Question ID : 75189710629

Option 1 ID : 75189742516

Option 2 ID : 75189742513

Option 3 ID : 75189742515

Option 4 ID : 75189742514

Status : Answered

Chosen Option : 3

Q.95

- Ans
- ☒ 1. 25.75 km
 - ☒ 2. 26.20 km
 - ☒ 3. 25.50 km
 - ☒ 4. 26.25 km

Question ID : 7518979258

Option 1 ID : 75189737032

Option 2 ID : 75189737031

Option 3 ID : 75189737029

Option 4 ID : 75189737030

Status : Answered

Chosen Option : 4

Q.96 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.

A _ D F _ A C _ F B _ C D F _ A C D _ D

- Ans
- ☒ 1. CDFCCA
 - ☒ 2. CDADFA
 - ☒ 3. CADFCC
 - ☒ 4. CADACF

Question ID : 7518979839

Option 1 ID : 75189739355

Option 2 ID : 75189739356

Option 3 ID : 75189739354

Option 4 ID : 75189739353

Status : Answered

Chosen Option : 4

Q.97 The magnitudes of the magnetic field at a point at distance r from a straight conductor carrying current I , $2I$ and $3I$, one by one, are B_1 , B_2 and B_3 , respectively. Which of the following relations is correct?

- Ans
- ☒ 1. $B_1 = B_2 = B_3$
 - ☒ 2. $B_1 > B_2 > B_3$
 - ☒ 3. $B_3 > B_2 > B_1$
 - ☒ 4. $B_2 > B_3 > B_1$

Question ID : 7518976738

Option 1 ID : 75189726952

Option 2 ID : 75189726949

Option 3 ID : 75189726951

Option 4 ID : 75189726950

Status : Answered

Chosen Option : 3

Q.98

- Ans
- ☐ 1. 15
 - ☐ 2. 17
 - ☐ 3. 16
 - ☒ 4. 14

Question ID : 7518978717
Option 1 ID : 75189734867
Option 2 ID : 75189734865
Option 3 ID : 75189734866
Option 4 ID : 75189734868
Status : Answered
Chosen Option : 4

Q.99 Three resistors of $4\ \Omega$, $8\ \Omega$ and $6\ \Omega$ are connected in parallel combination with a $9\ \text{V}$ battery. The total current drawn from the battery is:

- Ans
- ☐ 1. 6.4 A
 - ☒ 2. 4.8 A
 - ☐ 3. 8.4 A
 - ☐ 4. 4.2 A

Question ID : 7518979561
Option 1 ID : 75189738243
Option 2 ID : 75189738242
Option 3 ID : 75189738244
Option 4 ID : 75189738241
Status : Answered
Chosen Option : 2

Q.100 The sum of the first five prime numbers is:

- Ans
- ☐ 1. 29
 - ☐ 2. 27
 - ☒ 3. 28
 - ☐ 4. 26

Question ID : 7518978644
Option 1 ID : 75189734574
Option 2 ID : 75189734575
Option 3 ID : 75189734573
Option 4 ID : 75189734576
Status : Answered
Chosen Option : 3