



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	Digitrack IT Services
Test Date	28/09/2022
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 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 grapes are lemons

Some dates are papayas

Some grapes are cherries

Conclusions:

(I) Some lemons are dates

(II) Some grapes are papayas

(III) Some lemons are cherries

Ans ☒ 1. None of the conclusions follow

☒ 2. Only conclusion I follows

☒ 3. Only conclusion II follows

☒ 4. Only conclusion III follows

Question ID : 75189714515

Option 1 ID : 75189758060

Option 2 ID : 75189758057

Option 3 ID : 75189758058

Option 4 ID : 75189758059

Status : Answered

Chosen Option : 4

Q.2

- Ans
- ☒ 1. 254
 - ☒ 2. 128
 - ☒ 3. 246
 - ☒ 4. 247

Question ID : 75189712677
Option 1 ID : 75189750708
Option 2 ID : 75189750707
Option 3 ID : 75189750706
Option 4 ID : 75189750705
Status : Answered
Chosen Option : 4

Q.3 If the angle between the direction of current flowing through a conductor and the direction of magnetic field is zero, the force (F) acting on the conductor will be _____.

- Ans
- ☒ 1. Zero
 - ☒ 2. F
 - ☒ 3. 2F
 - ☒ 4. F/2

Question ID : 75189713871
Option 1 ID : 75189755481
Option 2 ID : 75189755482
Option 3 ID : 75189755483
Option 4 ID : 75189755484
Status : Answered
Chosen Option : 1

Q.4 Pankaj can do one-fifth of a piece of work in 6 days and Jagath can do one-fourth of the same work in 8 days. Find the number of days taken to complete the work if both work together. (Round the answer to one decimal place.)

- Ans
- ☒ 1. 14.5
 - ☒ 2. 15.5
 - ☒ 3. 16.5
 - ☒ 4. 15.8

Question ID : 75189713331
Option 1 ID : 75189753324
Option 2 ID : 75189753321
Option 3 ID : 75189753323
Option 4 ID : 75189753322
Status : Answered
Chosen Option : 4

Q.5 निम्न अक्षर, संख्या, प्रतीक शृंखला के आधार पर पूछे गए प्रश्न का उत्तर दीजिए।

(बाएं) M K T # 7 8 R Y @ S F E ? D Q * 5 9 C = 2 H (दाएं)

ऐसे कितने प्रतीक हैं जिनके ठीक पहले एक अक्षर है और ठीक बाद एक संख्या भी है?

- Ans
- ☒ 1. एक
 - ☒ 2. तीन
 - ☒ 3. दो
 - ☒ 4. चार

Question ID : 75189713048

Option 1 ID : 75189752189

Option 2 ID : 75189752191

Option 3 ID : 75189752190

Option 4 ID : 75189752192

Status : Answered

Chosen Option : 2

Q.6 What is the best method to dispose of hospital waste?

- Ans
- ☒ 1. Wash before burning
 - ☒ 2. Sterilise and separate metals from cotton
 - ☒ 3. Bury it in deep trenches
 - ☒ 4. Segregate and recycle

Question ID : 75189712312

Option 1 ID : 75189749248

Option 2 ID : 75189749245

Option 3 ID : 75189749246

Option 4 ID : 75189749247

Status : Answered

Chosen Option : 3

Q.7 If '+' means '×', '-' means '+', '×' means '+', and '+' means '-', what will come in place of the question mark (?) in the following equation?

$$15 + 3 - 5 + 7 \times 6 = ?$$

- Ans
- ☒ 1. 12
 - ☒ 2. 8
 - ☒ 3. 15
 - ☒ 4. 10

Question ID : 75189713069

Option 1 ID : 75189752274

Option 2 ID : 75189752276

Option 3 ID : 75189752275

Option 4 ID : 75189752273

Status : Answered

Chosen Option : 2

Q.8 In the given letter-cluster pairs, the first letter-cluster is related to the second letter-cluster following a certain logic. Study the given pairs carefully, and from the given options, select the pair that follows the same logic.

TPN : XTR

LSK : PWO

- Ans**
- ☒ 1. MZC : DGQ
 - ☒ 2. QGD : CMZ
 - ☒ 3. ZMC : DQG
 - ☒ 4. DQG : ZMC

Question ID : **75189711596**

Option 1 ID : **75189746384**

Option 2 ID : **75189746383**

Option 3 ID : **75189746382**

Option 4 ID : **75189746381**

Status : **Answered**

Chosen Option : **3**

Q.9 Who is the first Indian woman to score a century in a pink-ball Test cricket match in 2021?

- Ans**
- ☒ 1. Smriti Mandhana
 - ☒ 2. Deepti Sharma
 - ☒ 3. Sneha Rana
 - ☒ 4. Mithali Raj

Question ID : **75189714027**

Option 1 ID : **75189756108**

Option 2 ID : **75189756107**

Option 3 ID : **75189756106**

Option 4 ID : **75189756105**

Status : **Answered**

Chosen Option : **1**

Q.10 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:

Some pencils are lanterns

All lanterns are rubbers

Some candies are pencils.

Conclusions:

(I) Some candies are lanterns

(II) Some rubbers are candies

(III) All pencils are rubbers

- Ans**
- ☒ 1. Only conclusion II follows
 - ☒ 2. Either conclusion I or III follows
 - ☒ 3. None of the conclusions follow
 - ☒ 4. Only conclusion I follows

Question ID : 75189714518

Option 1 ID : 75189758070

Option 2 ID : 75189758071

Option 3 ID : 75189758072

Option 4 ID : 75189758069

Status : Not Answered

Chosen Option : --

Q.11 A statement is followed by two conclusions. Find out which conclusion is true based on the given statement.

Statement:

$M \geq N < O = P > Q > R > S$

Conclusions:

I. $M > Q$

II. $O > R$

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

Question ID : 75189711494

Option 1 ID : 75189745974

Option 2 ID : 75189745975

Option 3 ID : 75189745976

Option 4 ID : 75189745973

Status : Answered

Chosen Option : 1

Q.12

Ans  1.

The net current of a parallel circuit is always less than that of individual currents.

 2.

The potential difference across individual resistances of a parallel circuit is always unequal.

 3.

The net resistance of a parallel circuit is always less than the sum of individual resistances.

 4.

The net resistance of a parallel circuit is always greater than the sum of individual resistances.

Question ID : 75189713814

Option 1 ID : 75189755256

Option 2 ID : 75189755255

Option 3 ID : 75189755253

Option 4 ID : 75189755254

Status : Marked For Review

Chosen Option : 1

Q.13 Which of the following statements is INCORRECT about the rivers of India?

Ans  1.

The Godavari rises in the Jabalpur district of Madhya Pradesh.

 2. The Krishna River rises near Mahabaleshwar in Sahyadri.

 3.

The Kaveri rises in Brahmagiri hills of Kogadu district in Karnataka.

 4.

The Mahanadi rises near Sihawa in Raipur district of Chhattisgarh.

Question ID : 75189714012

Option 1 ID : 75189756045

Option 2 ID : 75189756046

Option 3 ID : 75189756048

Option 4 ID : 75189756047

Status : Answered

Chosen Option : 1

Q.14 What is the name of the mission in which there is an attempt to boost Research and Development in the country by enabling and grooming potential PG / PhD level students by developing dedicated research skills in selected areas / disciplines / fields through high-end workshops and Training and Skill Internship?

Ans  1. VRITIKA

 2. KARYASHALA

 3. DAKSHATA

 4. ABHYAAS

Question ID : 75189712345

Option 1 ID : 75189749379

Option 2 ID : 75189749377

Option 3 ID : 75189749380

Option 4 ID : 75189749378

Status : Answered

Chosen Option : 3

Q.15

- Ans
- ☐ 1. Aerobics
 - ☐ 2. Ballooning
 - ☐ 3. Drones
 - ☒ 4. Rally Flying

Question ID : 75189712570
Option 1 ID : 75189750279
Option 2 ID : 75189750278
Option 3 ID : 75189750277
Option 4 ID : 75189750280
Status : Not Answered
Chosen Option : --

Q.16 The following are the marks obtained in a test out of 20 by a group of 10 students. Find the mode of the data.

15, 12, 13, 14, 16, 15, 18, 19, 11, 15.

- Ans
- ☐ 1. 18
 - ☒ 2. 15
 - ☐ 3. 16
 - ☐ 4. 19

Question ID : 75189712990
Option 1 ID : 75189751959
Option 2 ID : 75189751957
Option 3 ID : 75189751958
Option 4 ID : 75189751960
Status : Answered
Chosen Option : 2

Q.17 MUDRA refers to _____

- Ans
- ☐ 1. Medium Units Development Regulatory Association
 - ☐ 2. Medium Units Developed and Refinance Association
 - ☒ 3. Micro Units Development and Refinance Agency
 - ☐ 4. Micro Units Developing and Regulatory Agency

Question ID : 75189712108
Option 1 ID : 75189748431
Option 2 ID : 75189748432
Option 3 ID : 75189748430
Option 4 ID : 75189748429
Status : Answered
Chosen Option : 4

Q.18

Ans

- ☒ 1. 3rd plan
- ☒ 2. 4th plan
- ☒ 3. no plan
- ☒ 4. three annual plans

Question ID : 7518976835

Option 1 ID : 75189727338

Option 2 ID : 75189727340

Option 3 ID : 75189727337

Option 4 ID : 75189727339

Status : Answered

Chosen Option : 2

Q.19 In a certain code language, 'LIST' is written as 'NKUV' and 'PACK' is written as 'RCEM'. How will 'PLANT' be written in that language?

Ans

- ☒ 1. RMC OV
- ☒ 2. OMBSR
- ☒ 3. RNCPV
- ☒ 4. QMBOU

Question ID : 75189714909

Option 1 ID : 75189759635

Option 2 ID : 75189759636

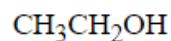
Option 3 ID : 75189759634

Option 4 ID : 75189759633

Status : Answered

Chosen Option : 3

Q.20 Which of the following is a correct nomenclature of the given structure?



Ans

- ☒ 1. Ethan-1-ol
- ☒ 2. Methan-2-ol
- ☒ 3. Ethan-2-ol
- ☒ 4. Methan-1-ol

Question ID : 75189714998

Option 1 ID : 75189759989

Option 2 ID : 75189759992

Option 3 ID : 75189759991

Option 4 ID : 75189759990

Status : Answered

Chosen Option : 3

Q.21

- Ans ☒ 1. Red
☐ 2. Blue
☐ 3. Yellow
☐ 4. Greenish-yellow

Question ID : 75189711895
Option 1 ID : 75189747577
Option 2 ID : 75189747579
Option 3 ID : 75189747580
Option 4 ID : 75189747578
Status : Answered
Chosen Option : 1

Q.22 Light travels from air into water with an index of refraction of 1.33. The light ray will:

- Ans ☐ 1. go perpendicular to the normal
☐ 2. bend away from the normal
☒ 3. bend towards the normal
☐ 4. go parallel to the normal

Question ID : 75189711278
Option 1 ID : 75189745112
Option 2 ID : 75189745110
Option 3 ID : 75189745109
Option 4 ID : 75189745111
Status : Answered
Chosen Option : 3

Q.23 According to the Newland's law of octaves, how many elements are present in between Potassium and Copper?

- Ans ☐ 1. 9
☐ 2. 5
☐ 3. 8
☒ 4. 7

Question ID : 75189714799
Option 1 ID : 75189759196
Option 2 ID : 75189759193
Option 3 ID : 75189759194
Option 4 ID : 75189759195
Status : Not Answered
Chosen Option : --

Q.24

- Ans ☒ 1. Vishnu
☐ 2. Hanuman
☐ 3. Shiva
☐ 4. Brahma

Question ID : 75189710558
Option 1 ID : 75189742231
Option 2 ID : 75189742232
Option 3 ID : 75189742230
Option 4 ID : 75189742229
Status : Answered
Chosen Option : 1

Q.25 A man crosses a 375 m road in 75 sec. His speed (in km/h) is:

- Ans ☐ 1. 15
☒ 2. 18
☐ 3. 13
☐ 4. 20

Question ID : 75189712974
Option 1 ID : 75189751894
Option 2 ID : 75189751893
Option 3 ID : 75189751895
Option 4 ID : 75189751896
Status : Answered
Chosen Option : 2

Q.26 Which mode of political organisation unites separate states or other polities within an overarching political system in a way that allows each to maintain its own integrity?

- Ans ☐ 1. Integrity
☒ 2. Federalism
☐ 3. Sovereignty
☐ 4. Democracy

Question ID : 7518979436
Option 1 ID : 75189737744
Option 2 ID : 75189737741
Option 3 ID : 75189737743
Option 4 ID : 75189737742
Status : Answered
Chosen Option : 3

Q.27

- Ans ☐ 1. 0
☒ 2. 7
☐ 3. 14
☐ 4. 8

Question ID : 75189714681
Option 1 ID : 75189758721
Option 2 ID : 75189758722
Option 3 ID : 75189758724
Option 4 ID : 75189758723
Status : Answered
Chosen Option : 2

Q.28 दी गई अक्षर, संख्या, प्रतीक श्रृंखला का अध्ययन करें, और पूछे गए प्रश्न का उत्तर दें।

7 T % N 9 * M \$ 3 U L = 8 Y @ G & 4 E > 5 & R 3 ! K # 7 H = Y 6 R

ऐसी कितनी संख्याएं हैं, जिनके ठीक पहले एक प्रतीक और ठीक बाद एक अक्षर आता है।

- Ans ☐ 1. 5
☒ 2. 4
☐ 3. 2
☐ 4. 3

Question ID : 7518974799
Option 1 ID : 75189719193
Option 2 ID : 75189719195
Option 3 ID : 75189719194
Option 4 ID : 75189719196
Status : Answered
Chosen Option : 1

Q.29 Which of the following natural resources do we need to use judiciously to prevent intense global warming?

- Ans ☐ 1. Metals and coal
☐ 2. Coal and water
☒ 3. Coal and petroleum
☐ 4. Petroleum and water

Question ID : 75189710283
Option 1 ID : 75189741132
Option 2 ID : 75189741131
Option 3 ID : 75189741129
Option 4 ID : 75189741130
Status : Answered
Chosen Option : 3

Q.30

- Ans
- ☒ 1. 18%
 - ☒ 2. 19%
 - ☒ 3. 18.8%
 - ☒ 4. 17%

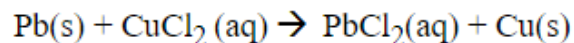
Question ID : 75189713288
Option 1 ID : 75189753150
Option 2 ID : 75189753152
Option 3 ID : 75189753151
Option 4 ID : 75189753149
Status : Answered
Chosen Option : 3

Q.31 Which of the following legendary wheat scientists was awarded the Padma Bhushan 2022 in the Science and Engineering category?

- Ans
- ☒ 1. Sanjaya Rajaram
 - ☒ 2. Sanghamitra Bandyopadhyay
 - ☒ 3. Subbanna Ayyappan
 - ☒ 4. Aditya Prasad Dash

Question ID : 75189712339
Option 1 ID : 75189749354
Option 2 ID : 75189749355
Option 3 ID : 75189749353
Option 4 ID : 75189749356
Status : Not Answered
Chosen Option : --

Q.32 In a given reaction, which element acts as an ion?



- Ans
- ☒ 1. Only Cu
 - ☒ 2. Only Pb
 - ☒ 3. Both Pb and Cu
 - ☒ 4. Only Cl_2

Question ID : 75189714765
Option 1 ID : 75189759058
Option 2 ID : 75189759057
Option 3 ID : 75189759060
Option 4 ID : 75189759059
Status : Marked For Review
Chosen Option : 1

Q.33

- Ans ☒ 1. Coastal Plains
☒ 2. Himalayan Mountains
☒ 3. Peninsular Plateau
☒ 4. Northern Plains

Question ID : 75189712498
Option 1 ID : 75189749992
Option 2 ID : 75189749989
Option 3 ID : 75189749990
Option 4 ID : 75189749991
Status : Answered
Chosen Option : 3

Q.34 Read the given statement and conclusions carefully. Assuming that the information given in the statement 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 statement.

Statement: Insufficient sleep is the major cause of swelling under eyes.

Conclusions:

(I) A good night's sleep leads to increase in memory and concentration.

(II) People who get sufficient sleep never have swelling under the eyes.

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

Question ID : 75189714741
Option 1 ID : 75189758964
Option 2 ID : 75189758962
Option 3 ID : 75189758963
Option 4 ID : 75189758961
Status : Marked For Review
Chosen Option : 1

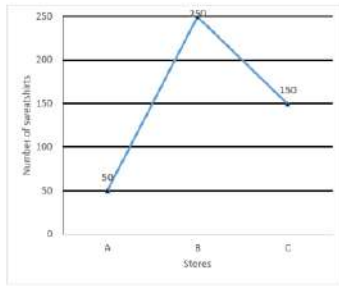
Q.35 If the length of a rectangle is twice its breadth and the perimeter of that rectangle is 42 cm, then find its length (in cm).

- Ans ☒ 1. 14
☒ 2. 8
☒ 3. 7
☒ 4. 11

Question ID : 75189713001
Option 1 ID : 75189752004
Option 2 ID : 75189752002
Option 3 ID : 75189752001
Option 4 ID : 75189752003
Status : Answered
Chosen Option : 1

Q.36 Study the given line graph and answer the following question.

The given line graph depicts the number of sweatshirts in stores A, B and C.



Out of the number of sweatshirts in stores A and B, 20% and 40%, respectively were sold. What is the total number of sweatshirts sold by stores A and B?

- Ans**
- ☒ 1. 130
 - ☒ 2. 120
 - ☒ 3. 90
 - ☒ 4. 110

Question ID : 75189712726

Option 1 ID : 75189750904

Option 2 ID : 75189750901

Option 3 ID : 75189750903

Option 4 ID : 75189750902

Status : Answered

Chosen Option : 4

Q.37 The ratio of Teja's and his mother's present ages is 7 : 11. The difference between their ages is 20 years. The age of Teja after 3 years will be:

- Ans**
- ☒ 1. 35 years
 - ☒ 2. 29 years
 - ☒ 3. 38 years
 - ☒ 4. 32 years

Question ID : 75189712832

Option 1 ID : 75189751327

Option 2 ID : 75189751325

Option 3 ID : 75189751328

Option 4 ID : 75189751326

Status : Answered

Chosen Option : 3

Q.38

Ans

☐ 1. $\frac{3}{4}$

☐ 2. $\frac{1}{80}$

☐ 3. $\frac{1}{24}$

☒ 4. $\frac{1}{32}$

Question ID : 75189713262

Option 1 ID : 75189753046

Option 2 ID : 75189753048

Option 3 ID : 75189753047

Option 4 ID : 75189753045

Status : Answered

Chosen Option : 1

Q.39 The sum of average variable cost and average fixed cost is known as _____.

Ans

☐ 1. actual cost

☒ 2. average cost

☐ 3. total cost

☐ 4. marginal cost

Question ID : 75189712483

Option 1 ID : 75189749930

Option 2 ID : 75189749929

Option 3 ID : 75189749932

Option 4 ID : 75189749931

Status : Not Answered

Chosen Option : --

Q.40 Refer to the following letter and symbol series and answer the question.

(Left) Z # U * Y \$ K W P Q @ G & A % J B L % & H E # V (Right)

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

Ans

☐ 1. Two

☐ 2. Five

☒ 3. Three

☐ 4. Four

Question ID : 75189710853

Option 1 ID : 75189743409

Option 2 ID : 75189743411

Option 3 ID : 75189743412

Option 4 ID : 75189743410

Status : Answered

Chosen Option : 3

Q.41 Which of the following statements is/are always true?

- a) In a parallelogram, diagonals bisect each other.
- b) In a rectangle, the opposite angles are equal and each measure 90° .
- c) Diagonals of a kite intersect at right angles.

Ans ☒ 1. Only (b) and (c)

☒ 2. All three of (a), (b) and (c)

☒ 3. Only (a)

☒ 4. Only (a) and (b)

Question ID : 75189712881

Option 1 ID : 75189751523

Option 2 ID : 75189751524

Option 3 ID : 75189751521

Option 4 ID : 75189751522

Status : Answered

Chosen Option : 2

Q.42 Which substance formed precipitates when a reaction occurs between potassium sulfate and barium chloride?

Ans ☒ 1. Barium chloride

☒ 2. Potassium chloride

☒ 3. Potassium sulfate

☒ 4. Barium sulfate

Question ID : 75189714708

Option 1 ID : 75189758831

Option 2 ID : 75189758832

Option 3 ID : 75189758830

Option 4 ID : 75189758829

Status : Not Answered

Chosen Option : --

Q.43 The value of $2 - \frac{\cos^2 \theta}{1 + \sin \theta} + \frac{1 + \sin \theta}{\cos \theta} - \frac{\cos \theta}{1 - \sin \theta}$ is:

Ans ☒ 1. $1 + \cos \theta$

☒ 2. $1 - \sin \theta$

☒ 3. $1 - \cos \theta$

☒ 4. $1 + \sin \theta$

Question ID : 75189712885

Option 1 ID : 75189751540

Option 2 ID : 75189751537

Option 3 ID : 75189751539

Option 4 ID : 75189751538

Status : Not Answered

Chosen Option : --

Q.44

- Ans ☒ 1. 2
☒ 2. 1
☒ 3. 3
☒ 4. 4

Question ID : 75189712848
Option 1 ID : 75189751391
Option 2 ID : 75189751392
Option 3 ID : 75189751390
Option 4 ID : 75189751389
Status : Answered
Chosen Option : 4

Q.45 In September 2021, India's first pan-India toll-free helpline – 14567 which aims to provide information, guidance, emotional support, and in cases of abuse, immediate assistance too, was officially launched by the Ministry of Social Justice and Empowerment. What is this line called?

- Ans ☒ 1. Elder line
☒ 2. Senior line
☒ 3. Sahyog line
☒ 4. Sampark line

Question ID : 75189712348
Option 1 ID : 75189749389
Option 2 ID : 75189749390
Option 3 ID : 75189749391
Option 4 ID : 75189749392
Status : Marked For Review
Chosen Option : 3

Q.46 If 5 is one root of $x^2 - (a - 1)x + 10 = 0$, then the other root is:

- Ans ☒ 1. 2
☒ 2. 1
☒ 3. 6
☒ 4. 4

Question ID : 75189712841
Option 1 ID : 75189751363
Option 2 ID : 75189751364
Option 3 ID : 75189751361
Option 4 ID : 75189751362
Status : Answered
Chosen Option : 1

Q.47

- Ans ☒ 1. Adrenalin
☐ 2. Estrogen
☐ 3. Thyroxine
☐ 4. Testosterone

Question ID : 75189713905

Option 1 ID : 75189755619

Option 2 ID : 75189755618

Option 3 ID : 75189755620

Option 4 ID : 75189755617

Status : Answered

Chosen Option : 1

Q.48 Annie Besant founded the Central Hindu College at Banaras which she later handed over to _____.

- Ans ☐ 1. Madame HP Blavatsky
☐ 2. Swami Vivekananda
☒ 3. Madan Mohan Malviya
☐ 4. Col. HS Olcott

Question ID : 75189712358

Option 1 ID : 75189749431

Option 2 ID : 75189749430

Option 3 ID : 75189749429

Option 4 ID : 75189749432

Status : Answered

Chosen Option : 3

Q.49 The power of an electric equipment through which a charge of 15 coulomb is flowing per 5 seconds when it is connected to a 20 V source is _____.

- Ans ☐ 1. 1500 calorie
☐ 2. 60 calorie
☒ 3. 60 watt
☐ 4. 1500 watt

Question ID : 75189713840

Option 1 ID : 75189755357

Option 2 ID : 75189755359

Option 3 ID : 75189755358

Option 4 ID : 75189755360

Status : Answered

Chosen Option : 3

Q.50 Two mixtures A and B have the following compositions.

Mixture A has copper and tin in the ratio 1 : 2

Mixture B has copper and tin in the ratio 1 : 3

If equal quantities of mixtures A and B are used for producing mixture C, then find the ratio of copper and tin in mixture C.

- Ans**
- ☒ 1. 7 : 17
 - ☐ 2. 7 : 12
 - ☐ 3. 2 : 5
 - ☐ 4. 1 : 5

Question ID : 75189713300

Option 1 ID : 75189753200

Option 2 ID : 75189753199

Option 3 ID : 75189753198

Option 4 ID : 75189753197

Status : Answered

Chosen Option : 3

Q.51 Which of the following is the biggest Biosphere Reserve of India in terms of geographical area?

- Ans**
- ☐ 1. Gulf of Mannar
 - ☐ 2. Nanda Devi
 - ☒ 3. Kachchh
 - ☐ 4. Sunderbans

Question ID : 75189712415

Option 1 ID : 75189749659

Option 2 ID : 75189749658

Option 3 ID : 75189749660

Option 4 ID : 75189749657

Status : Answered

Chosen Option : 2

Q.52 Select the option that is related to the third term in the same way as the second term is related to the first term and the sixth term is related to the fifth term.

20 : 30 :: 42 : ? :: 72 : 90

- Ans**
- ☐ 1. 55
 - ☐ 2. 51
 - ☐ 3. 52
 - ☒ 4. 56

Question ID : 75189713701

Option 1 ID : 75189754801

Option 2 ID : 75189754802

Option 3 ID : 75189754804

Option 4 ID : 75189754803

Status : Answered

Chosen Option : 4

Q.53

- Ans ☒ 1. -2
☐ 2. -1
☐ 3. 1
☐ 4. 2

Question ID : 75189712592

Option 1 ID : 75189750365

Option 2 ID : 75189750366

Option 3 ID : 75189750368

Option 4 ID : 75189750367

Status : Answered

Chosen Option : 1

Q.54 A certain number of people are sitting in a row and facing north. U is sitting 4th to the right of S. V is sitting 5th from the right end. V is seated at the immediate right of U. If no other person is sitting in the row, what is the total number of persons seated ?

- Ans ☐ 1. 4
☒ 2. 10
☐ 3. 11
☐ 4. 8

Question ID : 75189713599

Option 1 ID : 75189754394

Option 2 ID : 75189754393

Option 3 ID : 75189754396

Option 4 ID : 75189754395

Status : Answered

Chosen Option : 2

Q.55 The mathematical form of Ohm's law is represented as _____. (Here V = potential difference, I = current flowing through a conductor and R = Resistance.)

- Ans ☐ 1. $I = R^2/V$
☐ 2. $I = R/V$
☒ 3. $I = V/R$
☐ 4. $V = I/R$

Question ID : 75189713774

Option 1 ID : 75189755096

Option 2 ID : 75189755095

Option 3 ID : 75189755094

Option 4 ID : 75189755093

Status : Answered

Chosen Option : 4

Q.56

Ans

 1. $\frac{25}{10000}$

 2. $\frac{25}{90}$

 3. $\frac{25}{100}$

 4. $\frac{25}{99}$

Question ID : 75189712907

Option 1 ID : 75189751628

Option 2 ID : 75189751625

Option 3 ID : 75189751627

Option 4 ID : 75189751626

Status : Answered

Chosen Option : 4

Q.57 If '+' means '+', '-' means '-', 'x' means '-', and '=' means 'x', what will come in place of the question mark (?) in the following equation?

$$15 \times 6 + 12 + 4 - 5 = ?$$

Ans

 1. 8

 2. 12

 3. 2

 4. 5

Question ID : 75189713068

Option 1 ID : 75189752269

Option 2 ID : 75189752270

Option 3 ID : 75189752271

Option 4 ID : 75189752272

Status : Answered

Chosen Option : 3

Q.58 Which of the following statements with regard to the principal axis of a spherical mirror is/are correct?

- (a) The pole on the principal axis is similar to the origin of a Cartesian coordinate axes plane.
- (b) Distances measured from the pole, along the principal axis opposite to the direction of incident light are negative.
- (c) Heights of objects or images above the principal axis and perpendicular to it are considered negative.

Ans ☒ 1. Only (a) and (b)

☐ 2. Only (b) and (c)

☐ 3. (a), (b) and (c)

☐ 4. Only (a) and (c)

Question ID : **75189714100**

Option 1 ID : **75189756397**

Option 2 ID : **75189756398**

Option 3 ID : **75189756400**

Option 4 ID : **75189756399**

Status : **Not Answered**

Chosen Option : --

Q.59 Six friends are sitting around a round table facing the centre with equal distances between two neighbours. Wasim is second to the right of Muskan, Ekta is sitting to the immediate left of Rohit. Anushri is sitting third to the left of Wasim. Suresh is second to the left of Ekta. Who is to the immediate right of Wasim?

Ans ☐ 1. Rohit

☒ 2. Ekta

☐ 3. Muskan

☐ 4. Suresh

Question ID : **75189714161**

Option 1 ID : **75189756644**

Option 2 ID : **75189756641**

Option 3 ID : **75189756643**

Option 4 ID : **75189756642**

Status : **Answered**

Chosen Option : 4

Q.60 Newlands arranged the elements into the periodic table on the basis of _____.

Ans ☐ 1. non-metallic character

☐ 2. decreasing atomic mass

☐ 3. metallic character

☒ 4. increasing atomic mass

Question ID : **75189715035**

Option 1 ID : **75189760140**

Option 2 ID : **75189760138**

Option 3 ID : **75189760139**

Option 4 ID : **75189760137**

Status : **Answered**

Chosen Option : 3

Q.61

- Ans ☒ 1. Article 143
☒ 2. Article 142
☒ 3. Article 133
☒ 4. Article 132

Question ID : 75189712167

Option 1 ID : 75189748665

Option 2 ID : 75189748666

Option 3 ID : 75189748668

Option 4 ID : 75189748667

Status : Answered

Chosen Option : 1

Q.62 Mr. Rao sold a car at ₹1,64,000, thereby incurring a 20% loss. The cost price of the car was:

- Ans ☒ 1. ₹ 2,05,000
☒ 2. ₹ 2,00,500
☒ 3. ₹ 2,50,000
☒ 4. ₹ 2,00,050

Question ID : 75189712962

Option 1 ID : 75189751845

Option 2 ID : 75189751847

Option 3 ID : 75189751846

Option 4 ID : 75189751848

Status : Answered

Chosen Option : 1

Q.63 If the area of the base of a cylinder is 3850 cm^2 and its height is twice the radius of its base, then find the volume of the cylinder. [Use $\pi = \frac{22}{7}$]

- Ans ☒ 1. 269500 cm^3
☒ 2. 235320 cm^3
☒ 3. 245340 cm^3
☒ 4. 201250 cm^3

Question ID : 75189712864

Option 1 ID : 75189751455

Option 2 ID : 75189751454

Option 3 ID : 75189751453

Option 4 ID : 75189751456

Status : Answered

Chosen Option : 1

Q.64

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

Question ID : 75189713540
Option 1 ID : 75189754157
Option 2 ID : 75189754160
Option 3 ID : 75189754159
Option 4 ID : 75189754158
Status : Answered
Chosen Option : 1

Q.65 A, B, C, D, E and F live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor, which is numbered 6. Only one person lives above C. Only three people live between C and B. A does not live on the topmost floor. Only one person lives between A and F. F lives below A. D lives on an even numbered floor. Who lives immediately below E?

- Ans ☒ 1. F
☐ 2. B
☐ 3. D
☐ 4. A

Question ID : 75189713491
Option 1 ID : 75189753964
Option 2 ID : 75189753963
Option 3 ID : 75189753961
Option 4 ID : 75189753962
Status : Answered
Chosen Option : 1

Q.66 The measure of each interior angle of a regular octagon is:

- Ans ☐ 1. 165°
☐ 2. 180°
☒ 3. 135°
☐ 4. 140°

Question ID : 75189712876
Option 1 ID : 75189751503
Option 2 ID : 75189751504
Option 3 ID : 75189751501
Option 4 ID : 75189751502
Status : Not Answered
Chosen Option : --

Q.67 Find the arithmetic mean of the following data.

12, 13, 18, 12, 15, 15, 16, 13, 19, 17

- Ans
- ☒ 1. 15.5
 - ☒ 2. 14
 - ☒ 3. 13.5
 - ☒ 4. 15

Question ID : 75189713344

Option 1 ID : 75189753376

Option 2 ID : 75189753373

Option 3 ID : 75189753375

Option 4 ID : 75189753374

Status : Answered

Chosen Option : 4

Q.68 A concave mirror of focal length f produces a real image at a distance v from the pole, when an object is kept at the distance u from the pole. Here, focal length of the given mirror is:

- Ans
- ☒ 1. $(u + v) / (u v)$
 - ☒ 2. $(1/u) - (1/v)$
 - ☒ 3. $(u v) / (u + v)$
 - ☒ 4. $(1/v) - (1/u)$

Question ID : 75189711143

Option 1 ID : 75189744570

Option 2 ID : 75189744571

Option 3 ID : 75189744569

Option 4 ID : 75189744572

Status : Marked For Review

Chosen Option : 4

Q.69 Which of the following numbers will replace the question mark (?) in the given series?

30, 54, 86, 126, 174, ?

- Ans
- ☒ 1. 230
 - ☒ 2. 210
 - ☒ 3. 208
 - ☒ 4. 220

Question ID : 75189713127

Option 1 ID : 75189752508

Option 2 ID : 75189752506

Option 3 ID : 75189752505

Option 4 ID : 75189752507

Status : Answered

Chosen Option : 1

Q.70

Ans

✓ 1. $\frac{100}{11}\%$ Loss

✗ 2. $\frac{100}{11}\%$ Gain

✗ 3. 10% Gain

✗ 4. 10% Loss

Question ID : 75189713309

Option 1 ID : 75189753233

Option 2 ID : 75189753234

Option 3 ID : 75189753235

Option 4 ID : 75189753236

Status : Answered

Chosen Option : 1

Q.71 Two numbers are in the ratio 5 : 3, and the difference between these two numbers is 34. Find the smaller of the two numbers.

Ans

✗ 1. 21

✗ 2. 85

✗ 3. 31

✓ 4. 51

Question ID : 75189713008

Option 1 ID : 75189752030

Option 2 ID : 75189752029

Option 3 ID : 75189752031

Option 4 ID : 75189752032

Status : Answered

Chosen Option : 4

Q.72 Which of the following rules or laws correctly describe the direction of force, magnetic field and current at the same instant?

Ans

✗ 1. Ampere's circuital law

✗ 2. Right hand thumb rule

✗ 3. Palm rule

✓ 4. Fleming's left hand rule

Question ID : 75189711366

Option 1 ID : 75189745464

Option 2 ID : 75189745462

Option 3 ID : 75189745461

Option 4 ID : 75189745463

Status : Answered

Chosen Option : 4

Q.73 किसी प्रिज्म पर श्वेत प्रकाश आपतित होने पर इसका वर्ण-विक्षेपण (dispersion) होता है। इस संदर्भ में, सही विकल्प का चयन कीजिए।

- (a) प्रिज्म में लाल रंग का प्रकाश सर्वाधिक मुड़ता है।
- (b) प्रिज्म में बैंगनी रंग के प्रकाश की चाल सबसे कम होती है।
- (c) बैंगनी रंग के प्रकाश का अपवर्तनांक सर्वाधिक होता है।
- (d) प्रिज्म को सीधा रखे जाने पर, बैंगनी रंग सबसे ऊपर होता है, और लाल रंग सबसे नीचे होता है।
- (e) इंद्रधनुष का बनना भी वर्ण-विक्षेपण (Dispersion) के कारण ही होता है।

Ans

☒ 1. (b), (d) और (e)

☒ 2. (b), (c) और (d)

☒ 3. (b), (c) और (e)

☒ 4. (a), (c) और (d)

Question ID : 75189714104

Option 1 ID : 75189756416

Option 2 ID : 75189756415

Option 3 ID : 75189756414

Option 4 ID : 75189756413

Status : Answered

Chosen Option : 3

Q.74 A certain sum under simple interest at a certain rate of interest per annum amounts to ₹1,200 in 2 years and to ₹1,500 in 3 years. The rate of interest per annum is:

Ans

☒ 1. 10%

☒ 2. 25%

☒ 3. 50%

☒ 4. 15%

Question ID : 75189713422

Option 1 ID : 75189753685

Option 2 ID : 75189753687

Option 3 ID : 75189753688

Option 4 ID : 75189753686

Status : Answered

Chosen Option : 1

Q.75

- Ans ☒ 1. 49
☒ 2. 69
☒ 3. 40
☒ 4. 55

Question ID : 75189714637

Option 1 ID : 75189758547

Option 2 ID : 75189758548

Option 3 ID : 75189758546

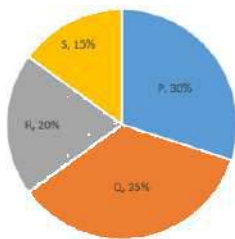
Option 4 ID : 75189758545

Status : Answered

Chosen Option : 3

Q.76 Study the given pie-chart and answer the following question.

The given pie chart depicts the number of trousers purchased of four brands (P, Q, R and S). The total number of trousers purchased of the four brands together is 120.



Out of the total number of trousers purchased of brands Q and R, one-third were slim fit trousers. What is the total number of slim fit trousers purchased of brands Q and R?

- Ans ☒ 1. 24
☒ 2. 18
☒ 3. 22
☒ 4. 33

Question ID : 75189712735

Option 1 ID : 75189750938

Option 2 ID : 75189750937

Option 3 ID : 75189750939

Option 4 ID : 75189750940

Status : Answered

Chosen Option : 3

Q.77 In this question, the statement is followed by four conclusions. Find out which conclusion is true based on the given statement:

Statement: $G < L < T > Y = V \geq P > X$

- Ans**
- ☒ 1. $G < Y$
 - ☒ 2. $G \leq T$
 - ☒ 3. $P \leq Y$
 - ☒ 4. $Y > L$

Question ID : 75189710811

Option 1 ID : 75189743243

Option 2 ID : 75189743241

Option 3 ID : 75189743244

Option 4 ID : 75189743242

Status : Answered

Chosen Option : 3

Q.78 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 chocolates are balls.

All balls are festivals.

Some festivals are tennis.

Conclusions:

(I) All chocolates are festivals.

(II) Some balls are tennis.

- Ans**
- ☒ 1. Only conclusion (I) follows.
 - ☒ 2. Only conclusion (II) follows.
 - ☒ 3. Both conclusion (I) and conclusion (II) follow.
 - ☒ 4. Both conclusion (I) and conclusion (II) do not follow.

Question ID : 75189714731

Option 1 ID : 75189758921

Option 2 ID : 75189758922

Option 3 ID : 75189758923

Option 4 ID : 75189758924

Status : Answered

Chosen Option : 3

Q.79

- Ans
- ☒ 1. English
 - ☒ 2. Kokborok
 - ☒ 3. Telugu
 - ☒ 4. Banjara

Question ID : 75189712136
Option 1 ID : 75189748542
Option 2 ID : 75189748544
Option 3 ID : 75189748543
Option 4 ID : 75189748541
Status : Answered
Chosen Option : 3

Q.80 Which blood cells help in clotting of blood and stop bleeding?

- Ans
- ☒ 1. Platelets
 - ☒ 2. Both platelets and red blood cells
 - ☒ 3. Red blood cells
 - ☒ 4. White blood cells

Question ID : 7518974598
Option 1 ID : 75189718391
Option 2 ID : 75189718392
Option 3 ID : 75189718389
Option 4 ID : 75189718390
Status : Answered
Chosen Option : 1

Q.81 As per performance of the Indian states, which of the following states was in the 'Front Runner' category in the NITI Aayog SDG India Index 2020-21?

- Ans
- ☒ 1. West Bengal
 - ☒ 2. Madhya Pradesh
 - ☒ 3. Tripura
 - ☒ 4. Manipur

Question ID : 75189711096
Option 1 ID : 75189744383
Option 2 ID : 75189744384
Option 3 ID : 75189744381
Option 4 ID : 75189744382
Status : Not Answered
Chosen Option : --

Q.82

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

Question ID : 75189713219
Option 1 ID : 75189752875
Option 2 ID : 75189752873
Option 3 ID : 75189752876
Option 4 ID : 75189752874
Status : Answered
Chosen Option : 2

Q.83 वह महिला, जो बच्चे को जन्म देने वाली है (A Woman About To Give Birth), के लिए सर्वोत्तम विकल्प कौन सा है?

- Ans  1.
बच्चे को निकालने के लिए सर्जरी (सीजेरियन सेक्शन) कराना
 2. प्रसव में सहायता हेतु प्रशिक्षित नर्स की मदद लेना
 3. एक सुविधा-संपन्न अस्पताल में जन्म देना
 4.
बच्चे के जन्म से एक सप्ताह पहले पर्याप्त आराम और पोषण प्राप्त करना

Question ID : 75189712288
Option 1 ID : 75189749149
Option 2 ID : 75189749150
Option 3 ID : 75189749152
Option 4 ID : 75189749151
Status : Answered
Chosen Option : 1

Q.84 What is the highest common prime factor of 7140 and 13200?

- Ans  1. 5
 2. 3
 3. 11
 4. 2

Question ID : 75189712921
Option 1 ID : 75189751683
Option 2 ID : 75189751682
Option 3 ID : 75189751684
Option 4 ID : 75189751681
Status : Answered
Chosen Option : 4

Q.85

- Ans ☒ 1. 25
☒ 2. 30
☒ 3. 15
☒ 4. 20

Question ID : 75189712928
Option 1 ID : 75189751711
Option 2 ID : 75189751712
Option 3 ID : 75189751709
Option 4 ID : 75189751710
Status : Answered
Chosen Option : 2

Q.86 The festival 'BONALU' is celebrated in which of the following states in India?

- Ans ☒ 1. Kerala
☒ 2. Tamil Nadu
☒ 3. Karnataka
☒ 4. Telangana

Question ID : 7518979381
Option 1 ID : 75189737522
Option 2 ID : 75189737524
Option 3 ID : 75189737523
Option 4 ID : 75189737521
Status : Not Answered
Chosen Option : --

Q.87 In a homologous series, which element is replaced by any functional group?

- Ans ☒ 1. Hydrogen
☒ 2. Helium
☒ 3. Sodium
☒ 4. Sulphur

Question ID : 75189714754
Option 1 ID : 75189759013
Option 2 ID : 75189759016
Option 3 ID : 75189759014
Option 4 ID : 75189759015
Status : Answered
Chosen Option : 1

Q.88

- Ans
- ☐ 1. intersect each other at 45 degrees.
 - ☐ 2. always intersect each other at right angles.
 - ☐ 3. intersect each other at 120 degrees.
 - ☒ 4. never intersect each other

Question ID : 7518978538
Option 1 ID : 75189734150
Option 2 ID : 75189734151
Option 3 ID : 75189734152
Option 4 ID : 75189734149
Status : Not Answered
Chosen Option : --

Q.89 Town C is west of town D. Town E is south of the mid-point of the line joining C and D. Town F is south-west of C such that F and E are along the same straight line. What is the position of E with respect to F?

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

Question ID : 75189714922
Option 1 ID : 75189759688
Option 2 ID : 75189759686
Option 3 ID : 75189759685
Option 4 ID : 75189759687
Status : Answered
Chosen Option : 3

Q.90 Ravi injured his knee while playing and it was bleeding. After some time, he noticed that the bleeding had stopped and a dark red clot had plugged the wound. Which type of cells help in blood clotting?

- Ans
- ☒ 1. Platelets
 - ☐ 2. Lymphocytes
 - ☐ 3. Eosinophils
 - ☐ 4. Red blood corpuscles

Question ID : 75189714824
Option 1 ID : 75189759296
Option 2 ID : 75189759294
Option 3 ID : 75189759295
Option 4 ID : 75189759293
Status : Answered
Chosen Option : 1

Q.91

- Ans
- ☒ 1. Yashvi
 - ☒ 2. Varnit
 - ☒ 3. Gaurav
 - ☒ 4. Danish

Question ID : **75189714159**
Option 1 ID : **75189756634**
Option 2 ID : **75189756635**
Option 3 ID : **75189756636**
Option 4 ID : **75189756633**
Status : **Answered**
Chosen Option : **3**

Q.92 Anaerobic respiration of glucose in the muscles produces _____.

- Ans
- ☒ 1. lactic acid
 - ☒ 2. pyruvic acid
 - ☒ 3. acetoacetic acid
 - ☒ 4. citric acid

Question ID : **7518974385**
Option 1 ID : **75189717538**
Option 2 ID : **75189717537**
Option 3 ID : **75189717539**
Option 4 ID : **75189717540**
Status : **Answered**
Chosen Option : **1**

Q.93 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

P3WJ, R10TO, T24QT, V45NY, ?

- Ans
- ☒ 1. X67KD
 - ☒ 2. X67KC
 - ☒ 3. X73LD
 - ☒ 4. X73KD

Question ID : **75189710823**
Option 1 ID : **75189743291**
Option 2 ID : **75189743289**
Option 3 ID : **75189743290**
Option 4 ID : **75189743292**
Status : **Answered**
Chosen Option : **4**

Q.94 Identify the following cell.



- Ans
- ☒ 1. Bone cell
 - ☒ 2. Muscle cell
 - ☒ 3. Nerve cell
 - ☒ 4. Kidney cell

Question ID : 75189710080

Option 1 ID : 75189740317

Option 2 ID : 75189740319

Option 3 ID : 75189740318

Option 4 ID : 75189740320

Status : Not Answered

Chosen Option : --

Q.95 Select the option that is related to the third term in the same way as the second term is related to the first term and the sixth term is related to the fifth term.

8 : 63 :: 11 : ? :: 13 : 168

- Ans
- ☒ 1. 119
 - ☒ 2. 121
 - ☒ 3. 120
 - ☒ 4. 118

Question ID : 75189713698

Option 1 ID : 75189754792

Option 2 ID : 75189754789

Option 3 ID : 75189754790

Option 4 ID : 75189754791

Status : Answered

Chosen Option : 3

Q.96

- Ans
- ☒ 1. 91
 - ☒ 2. 45
 - ☒ 3. 83
 - ☒ 4. 72

Question ID : 75189714145

Option 1 ID : 75189756579

Option 2 ID : 75189756578

Option 3 ID : 75189756580

Option 4 ID : 75189756577

Status : Answered

Chosen Option : 3

Q.97 In the word 'WEBSITE', if each vowel is replaced with the immediate next letter and each consonant is replaced with the immediate previous letter as per the English alphabetical order, then how many vowels will be there in the word so formed?

- Ans
- ☒ 1. None
 - ☒ 2. Three
 - ☒ 3. Two
 - ☒ 4. One

Question ID : 75189713561

Option 1 ID : 75189754244

Option 2 ID : 75189754243

Option 3 ID : 75189754242

Option 4 ID : 75189754241

Status : Answered

Chosen Option : 4

Q.98 If $x + y = 5$ and $xy = 4$, find the value of $x^3 + y^3$.

- Ans
- ☒ 1. 125
 - ☒ 2. 65
 - ☒ 3. 185
 - ☒ 4. 60

Question ID : 75189713355

Option 1 ID : 75189753417

Option 2 ID : 75189753419

Option 3 ID : 75189753418

Option 4 ID : 75189753420

Status : Answered

Chosen Option : 2

Q.99

Ans

✗ 1. $1013\frac{5}{7} \text{ cm}^2$

✓ 2. $1018\frac{2}{7} \text{ cm}^2$

✗ 3. $1020\frac{4}{7} \text{ cm}^2$

✗ 4. $1010\frac{6}{7} \text{ cm}^2$

Question ID : 75189712861

Option 1 ID : 75189751443

Option 2 ID : 75189751442

Option 3 ID : 75189751441

Option 4 ID : 75189751444

Status : Answered

Chosen Option : 2

Q.100 Under the Constitutional Article 243 (C), who decides on the composition of the Panchayat?

Ans

✓ 1. Legislature of State

✗ 2. Council of States

✗ 3. Lok Sabha

✗ 4. State Assembly

Question ID : 75189714076

Option 1 ID : 75189756303

Option 2 ID : 75189756304

Option 3 ID : 75189756302

Option 4 ID : 75189756301

Status : Not Answered

Chosen Option : --