



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	11/10/2022
Test Time	9:00 AM - 10:30 AM
Subject	Level 1

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : Level 1

Q.1 The Chairman of the Block Panchayat Samiti is elected by the:

- Ans
- ☒ 1. village Pradhan
 - ☒ 2. members of the Zila Panchayat
 - ☒ 3. members of the samiti
 - ☒ 4. members of the State Legislative

Question ID : 75189715483

Option 1 ID : 75189761930

Option 2 ID : 75189761932

Option 3 ID : 75189761929

Option 4 ID : 75189761931

Status : Answered

Chosen Option : 3

Q.2 In this question, the statement is followed by four conclusions. Find out which conclusion is NOT true based on the given statement.

Statement : $Y < V = X \leq L < A > C \geq H$

- Ans
- ☒ 1. $X > A$
 - ☒ 2. $X > Y$
 - ☒ 3. $A > H$
 - ☒ 4. $L \geq V$

Question ID : 75189714205

Option 1 ID : 75189756820

Option 2 ID : 75189756819

Option 3 ID : 75189756818

Option 4 ID : 75189756817

Status : Answered

Chosen Option : 1

Q.3

- Ans
- ☒ 1. Fortified with iron
 - ☒ 2. Nutritionally well-balanced
 - ☒ 3. Rich in proteins
 - ☒ 4. Low in saturated fats

Question ID : 75189710107

Option 1 ID : 75189740426

Option 2 ID : 75189740428

Option 3 ID : 75189740425

Option 4 ID : 75189740427

Status : Answered

Chosen Option : 2

Q.4 Refer to the following letter series and answer the question.

(Left) B Z C T B Z T E S B C Z T W A Z T F Z T U K R B Z T V (Right)

How many Z are there in the series which are immediately followed by T but not immediately preceded by B?

- Ans
- ☒ 1. Five
 - ☒ 2. Two
 - ☒ 3. Four
 - ☒ 4. Three

Question ID : 75189710848

Option 1 ID : 75189743392

Option 2 ID : 75189743391

Option 3 ID : 75189743389

Option 4 ID : 75189743390

Status : Answered

Chosen Option : 4

Q.5 If the HCF of 408 and 1032 is expressed as $516m - 252 \times 4$, then m is:

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

Question ID : 75189711726

Option 1 ID : 75189746904

Option 2 ID : 75189746903

Option 3 ID : 75189746901

Option 4 ID : 75189746902

Status : Answered

Chosen Option : 4

Q.6

- Ans
- ☐ 1. Group 1 and period 2
 - ☐ 2. Group 5 and period 5
 - ☐ 3. Group 13 and period 4
 - ☒ 4. Group 14 and period 2

Question ID : 75189714743

Option 1 ID : 75189758969

Option 2 ID : 75189758970

Option 3 ID : 75189758972

Option 4 ID : 75189758971

Status : Not Answered

Chosen Option : --

Q.7 Complete the given step of anaerobic respiration:

Glucose ($C_6H_{12}O_6$) $\rightarrow$ _____ + Carbon Dioxide (CO_2) + Energy (ATP)

- Ans
- ☐ 1. Water
 - ☐ 2. Pyruvate
 - ☒ 3. Ethanol (C_2H_5OH)
 - ☐ 4. Lactic Acid

Question ID : 7518974384

Option 1 ID : 75189717534

Option 2 ID : 75189717536

Option 3 ID : 75189717533

Option 4 ID : 75189717535

Status : Answered

Chosen Option : 1

Q.8 Consider a horse shoe magnet with its north pole towards west and south pole towards east. A conducting rod is loosely connected to a galvanometer. If this rod is now moved between the poles of the magnet vertically downwards, the direction of the induced current in it will be _____.

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

Question ID : 75189715114

Option 1 ID : 75189760456

Option 2 ID : 75189760453

Option 3 ID : 75189760455

Option 4 ID : 75189760454

Status : Not Answered

Chosen Option : --

Q.9

- Ans
- ☒ 1. Sri Lanka
 - ☒ 2. Australia
 - ☒ 3. Pakistan
 - ☒ 4. India

Question ID : 75189712555
Option 1 ID : 75189750220
Option 2 ID : 75189750217
Option 3 ID : 75189750218
Option 4 ID : 75189750219
Status : Answered
Chosen Option : 4

Q.10 Which of the following is responsible for bringing western disturbances from the Mediterranean region into the Indian subcontinent?

- Ans
- ☒ 1. Jet stream
 - ☒ 2. Relief rain
 - ☒ 3. Mango shower
 - ☒ 4. Anabatic winds

Question ID : 75189715299
Option 1 ID : 75189761193
Option 2 ID : 75189761195
Option 3 ID : 75189761194
Option 4 ID : 75189761196
Status : Not Answered
Chosen Option : --

Q.11 At Devprayag (Uttarakhand), which of the following two rivers confluence and form river Ganga?

- Ans
- ☒ 1. Alaknanda and Yamuna
 - ☒ 2. Bhagirathi and Yamuna
 - ☒ 3. Yamuna and Gomti
 - ☒ 4. Alaknanda and Bhagirathi

Question ID : 75189715461
Option 1 ID : 75189761841
Option 2 ID : 75189761843
Option 3 ID : 75189761844
Option 4 ID : 75189761842
Status : Answered
Chosen Option : 4

Q.12

- Ans ☒ 1. Chandra Shekhar Azad
☐ 2. Chhakravarti Rajagopalachari
☐ 3. Bhulabhai Desai
☐ 4. Behramji M Malabari

Question ID : 75189714037

Option 1 ID : 75189756145

Option 2 ID : 75189756146

Option 3 ID : 75189756147

Option 4 ID : 75189756148

Status : Answered

Chosen Option : 1

Q.13 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:

Few oxen are peacocks

All peacocks are cheetahs

All cheetahs are horses

Conclusions:

(I) Some horses are peacocks

(II) Some cheetahs are peacocks

(III) All peacocks are horses

- Ans ☐ 1. Either conclusion I or III follows
☐ 2. Only conclusion I follows
☒ 3. All conclusions I, II and III follow
☐ 4. Only conclusion II follows

Question ID : 75189714525

Option 1 ID : 75189758099

Option 2 ID : 75189758097

Option 3 ID : 75189758100

Option 4 ID : 75189758098

Status : Answered

Chosen Option : 3

Q.14

- Ans  1. 22%35
-  2. 22%53
-  3. 92%35
-  4. 92%25

Question ID : 75189715266

Option 1 ID : 75189761063

Option 2 ID : 75189761062

Option 3 ID : 75189761064

Option 4 ID : 75189761061

Status : Answered

Chosen Option : 1

Q.15 During a sale, a TV shop owner offers four different types of successive discounts for any consumer to choose from. Which of the following options will give the best possible price to the shop owner as a percentage of the marked price of an item?

- Ans  1. 25% and 15%
-  2. 30% and 10%
-  3. 35% and 5%
-  4. 20% and 20%

Question ID : 75189714333

Option 1 ID : 75189757329

Option 2 ID : 75189757330

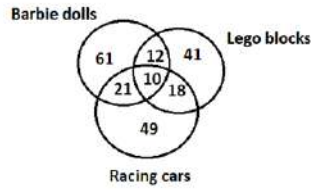
Option 3 ID : 75189757331

Option 4 ID : 75189757332

Status : Answered

Chosen Option : 3

Q.16 Study the given Venn diagram carefully and answer the question that follows. The numbers in different sections indicate the number of children who play with a particular toy at a day care.



How many such children are there, who play neither with barbie dolls nor with racing cars?

- Ans ☒ 1. 41
- ☒ 2. 67
- ☒ 3. 82
- ☒ 4. 53

Question ID : 75189714966

Option 1 ID : 75189759861

Option 2 ID : 75189759863

Option 3 ID : 75189759864

Option 4 ID : 75189759862

Status : Answered

Chosen Option : 1

Q.17 A certain number of people are sitting in a row, facing north. Only Q sits exactly between W and Z. G sits sixth to the right of W. Only three people sit to the right of G. Z sits at the extreme left end of the row.

If no other person is sitting in the row, what is the total number of people seated?

- Ans ☒ 1. 10
- ☒ 2. 12
- ☒ 3. 13
- ☒ 4. 14

Question ID : 75189714511

Option 1 ID : 75189758041

Option 2 ID : 75189758042

Option 3 ID : 75189758043

Option 4 ID : 75189758044

Status : Answered

Chosen Option : 2

Q.18

- Ans  1. thermal induction
 2. electromagnetic induction
 3. electric induction
 4. magnetic induction

Question ID : 75189713887
Option 1 ID : 75189755547
Option 2 ID : 75189755548
Option 3 ID : 75189755546
Option 4 ID : 75189755545
Status : Not Answered
Chosen Option : --

Q.19 Six girls with the initials V, M, S, E, N and C are sitting around a circular table, facing the centre and at equal distance from each other, not necessarily in the same order.

E sits second to the left of C. S sits second to the right of V. C sits at the immediate left of V. N sits second to the left of E. Who sits at the immediate left of C?

- Ans  1. S
 2. V
 3. M
 4. N

Question ID : 75189714957
Option 1 ID : 75189759827
Option 2 ID : 75189759826
Option 3 ID : 75189759828
Option 4 ID : 75189759825
Status : Answered
Chosen Option : 3

Q.20 Select the combination of letters that when placed from left to right in the same sequence in the blanks of the given series will complete the series.

MN _ LMM _ PLM _ NP MMNN _ M

- Ans  1. NPNNMNLPP
 2. NNNNMNLPL
 3. NPNNMNLPL
 4. MPNNMNLPL

Question ID : 7518977956
Option 1 ID : 75189731823
Option 2 ID : 75189731821
Option 3 ID : 75189731822
Option 4 ID : 75189731824
Status : Answered
Chosen Option : 3

Q.21

- Ans  1. Sodium bicarbonate (NaHCO_3)
-  2. Sodium sulphate (Na_2SO_4)
-  3. Sodium carbonate (NaCO_3)
-  4. Sodium chloride (NaCl)

Question ID : 75189715028

Option 1 ID : 75189760110

Option 2 ID : 75189760112

Option 3 ID : 75189760109

Option 4 ID : 75189760111

Status : Answered

Chosen Option : 1

Q.22 Simplify the following.

$$1 - 2 \times \{[-2(2 + 3) \times 20] \div 2\}$$

- Ans  1. -200
-  2. -50
-  3. $-\frac{1}{50}$
-  4. 201

Question ID : 75189713249

Option 1 ID : 75189752996

Option 2 ID : 75189752994

Option 3 ID : 75189752995

Option 4 ID : 75189752993

Status : Answered

Chosen Option : 4

Q.23

Ans

✓ 1. $13\frac{3}{5}$ days

✗ 2. $12\frac{3}{5}$ days

✗ 3. $15\frac{3}{5}$ days

✗ 4. $10\frac{3}{5}$ days

Question ID : 75189714349

Option 1 ID : 75189757395

Option 2 ID : 75189757394

Option 3 ID : 75189757396

Option 4 ID : 75189757393

Status : Answered

Chosen Option : 1

Q.24 Which of the following reactions is an example of a displacement reaction?

Ans

✗ 1. $3\text{Fe (s)} + 4\text{H}_2\text{O (l)} \longrightarrow \text{Fe}_3\text{O}_4 \text{ (s)} + 2\text{H}_2 \text{ (l)}$

✓ 2. $\text{Zn (s)} + \text{CuSO}_4 \text{ (aq)} \longrightarrow \text{ZnSO}_4 \text{ (aq)} + \text{Cu (s)}$

✗ 3. $2\text{FeSO}_4 \text{ (s)} \longrightarrow \text{Fe}_2\text{O}_3 \text{ (s)} + \text{SO}_2 \text{ (g)} + \text{SO}_3 \text{ (g)}$

✗ 4. $\text{CaO (s)} + \text{H}_2\text{O (l)} \longrightarrow \text{Ca(OH)}_2 \text{ (aq)} + \text{Heat}$

Question ID : 75189714670

Option 1 ID : 75189758678

Option 2 ID : 75189758680

Option 3 ID : 75189758677

Option 4 ID : 75189758679

Status : Answered

Chosen Option : 2

Q.25 If '+' means '×', '-' means '+', '×' means '-', and '÷' means '+', what will come in place of the question mark (?) in the following equation?

$$9 + 7 + 8 - 4 \times 2 = ?$$

Ans

✓ 1. 63

✗ 2. 74

✗ 3. 68

✗ 4. 60

Question ID : 75189713067

Option 1 ID : 75189752267

Option 2 ID : 75189752266

Option 3 ID : 75189752268

Option 4 ID : 75189752265

Status : Answered

Chosen Option : 1

Q.26

- Ans  1. 21 years
 2. 19 years
 3. 23 years
 4. 25 years

Question ID : 75189714391
Option 1 ID : 75189757561
Option 2 ID : 75189757564
Option 3 ID : 75189757562
Option 4 ID : 75189757563
Status : Answered
Chosen Option : 2

Q.27 Centre for Excellence of Classical Tamil was shifted from Mysore to Chennai in _____.

- Ans  1. 2010
 2. 2008
 3. 2004
 4. 2006

Question ID : 75189712365
Option 1 ID : 75189749460
Option 2 ID : 75189749459
Option 3 ID : 75189749457
Option 4 ID : 75189749458
Status : Not Answered
Chosen Option : --

Q.28 In this question, a group of letters is coded using numbers/symbols as per the table given below and the conditions which follow. The correct combination of codes following the conditions is your answer.

Letters	E	O	L	Y	A	W	N	S
Numbers/Symbols	5	%	7	#	1	4	@	S

Conditions:

- (i) If a word has a vowel at the end, the vowel present at the end will be coded as 6.
- (ii) If a word has more than 2 vowels, all the vowels will be coded as 8.
- (iii) If a letter is present exactly twice in a word, it will be coded as 2 in both such places

What will be the correct code for YELLOW?

- Ans**
-  1. #82284
 -  2. #577%6
 -  3. #577%4
 -  4. #522%4

Question ID : **75189713627**

Option 1 ID : **75189754508**

Option 2 ID : **75189754506**

Option 3 ID : **75189754505**

Option 4 ID : **75189754507**

Status : **Answered**

Chosen Option : **4**

Q.29 Effective resistance of the parallel combination of two resistors with 2Ω and 3Ω resistance, respectively, is:

- Ans**
-  1. $8.3\ \Omega$
 -  2. $0.83\ \Omega$
 -  3. $5\ \Omega$
 -  4. $1.2\ \Omega$

Question ID : **75189711159**

Option 1 ID : **75189744636**

Option 2 ID : **75189744635**

Option 3 ID : **75189744633**

Option 4 ID : **75189744634**

Status : **Answered**

Chosen Option : **2**

Q.30 A statement is given followed by four conclusions. Find out which conclusion is true based on the given statement.

Statement: $L \leq H = P > O > D \geq S = U$

Conclusions:

1) $L \leq P$

2) $U \geq D$

3) $L > D$

4) $L > O$

Ans  1. 1

 2. 4

 3. 3

 4. 2

Question ID : 75189713190

Option 1 ID : 75189752757

Option 2 ID : 75189752760

Option 3 ID : 75189752759

Option 4 ID : 75189752758

Status : Answered

Chosen Option : 1

Q.31 If the sum of a number and its reciprocal is 7, then which of the options below can be such a number?

Ans  1. $\frac{7+3\sqrt{5}}{2}$

 2. $\frac{-7+3\sqrt{5}}{2}$

 3. $\frac{3+7\sqrt{5}}{2}$

 4. $\frac{3-7\sqrt{5}}{2}$

Question ID : 75189714419

Option 1 ID : 75189757675

Option 2 ID : 75189757676

Option 3 ID : 75189757674

Option 4 ID : 75189757673

Status : Answered

Chosen Option : 1

Q.32

- Ans
- ☒ 1. Sikhism
 - ☒ 2. Buddhism
 - ☒ 3. Muslim
 - ☒ 4. Parsi

Question ID : 75189713990

Option 1 ID : 75189755959

Option 2 ID : 75189755957

Option 3 ID : 75189755958

Option 4 ID : 75189755960

Status : Answered

Chosen Option : 4

Q.33 If a and b are two co-prime numbers, then their LCM is:

- Ans
- ☒ 1. $a + b$
 - ☒ 2. $a \times b$
 - ☒ 3. $\frac{a - b}{a + b}$
 - ☒ 4. $a - b$

Question ID : 75189713273

Option 1 ID : 75189753090

Option 2 ID : 75189753089

Option 3 ID : 75189753092

Option 4 ID : 75189753091

Status : Answered

Chosen Option : 2

Q.34 During which period did the amount of ozone in the atmosphere begin to drop sharply?

- Ans
- ☒ 1. In the 1980s
 - ☒ 2. In the 1960s
 - ☒ 3. In the 1990s
 - ☒ 4. In the 1970s

Question ID : 75189710267

Option 1 ID : 75189741065

Option 2 ID : 75189741067

Option 3 ID : 75189741068

Option 4 ID : 75189741066

Status : Not Answered

Chosen Option : --

Q.35

- Ans  1. South-east
 2. South-west
 3. South
 4. West

Question ID : 75189714919

Option 1 ID : 75189759673

Option 2 ID : 75189759676

Option 3 ID : 75189759675

Option 4 ID : 75189759674

Status : Answered

Chosen Option : 2

Q.36 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:

1. Some flowers are leaves.
2. Some flowers are stems.
3. Some fruits are flowers.

Conclusions:

I-Some stems are flowers.

II-Some fruits are leaves.

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

Question ID : 75189714187

Option 1 ID : 75189756748

Option 2 ID : 75189756747

Option 3 ID : 75189756745

Option 4 ID : 75189756746

Status : Answered

Chosen Option : 3

Q.37

- Ans
- ☐ 1. 10th group
 - ☐ 2. 6th group
 - ☐ 3. 4th group
 - ☒ 4. 18th group

Question ID : 75189714794

Option 1 ID : 75189759174

Option 2 ID : 75189759176

Option 3 ID : 75189759173

Option 4 ID : 75189759175

Status : Not Answered

Chosen Option : --

Q.38 Which law states that 'as the quantity of one factor is increased, keeping the other factors fixed, the marginal product of that factor will eventually decline'?

- Ans
- ☐ 1. The law of unstable economy
 - ☒ 2. The law of variable proportions
 - ☐ 3. The law of constant proportions
 - ☐ 4. The law of money savings

Question ID : 75189715438

Option 1 ID : 75189761752

Option 2 ID : 75189761749

Option 3 ID : 75189761750

Option 4 ID : 75189761751

Status : Answered

Chosen Option : 2

Q.39 Six students, Madhu, Anshul, Avani, Aarav, Priti, and Shikha, gave their presentations on different days in the month of March. The presentation was from 11th March to 16th March.

Anshul presented on 14th March and Shikha presented immediately before Anshul. Only one person presented between Shikha and Priti. Shikha presented after Priti but before Avani. Avani presented immediately before Madhu. Who presented on 15th March?

- Ans
- ☐ 1. Madhu
 - ☐ 2. Aarav
 - ☐ 3. Priti
 - ☒ 4. Avani

Question ID : 75189710986

Option 1 ID : 75189743942

Option 2 ID : 75189743941

Option 3 ID : 75189743943

Option 4 ID : 75189743944

Status : Answered

Chosen Option : 4

Q.40

- Ans
- ☐ 1. 4524
 - ☐ 2. 4525
 - ☐ 3. 5524
 - ☒ 4. 5425

Question ID : 75189714386

Option 1 ID : 75189757542

Option 2 ID : 75189757541

Option 3 ID : 75189757543

Option 4 ID : 75189757544

Status : Answered

Chosen Option : 4

Q.41 A statement is given followed by two assumptions numbered I and II. You have to assume everything in the statement to be true and decide which of the assumptions is/are implicit in the statement.

Statement:

The Union Road Transport and Highways Ministry is gearing up to build a super expressway to connect Delhi and Mumbai, which would allow commuters to finish the 1,400 km long journey within 12 hours.

Assumptions:

- I. The road between the two cities is in very bad shape.
- II. Currently there are no roads to connect these two cities of India.

- Ans
- ☐ 1. Only assumption I is implicit
 - ☒ 2. Neither assumption I nor II is implicit
 - ☐ 3. Only assumption II is implicit
 - ☐ 4. Both assumptions I and II are implicit

Question ID : 75189715180

Option 1 ID : 75189760717

Option 2 ID : 75189760719

Option 3 ID : 75189760718

Option 4 ID : 75189760720

Status : Answered

Chosen Option : 2

Q.42

- Ans ☒ 1. Patna
☒ 2. Lucknow
☒ 3. Haridwar
☒ 4. Kanpur

Question ID : 75189715463
Option 1 ID : 75189761851
Option 2 ID : 75189761852
Option 3 ID : 75189761849
Option 4 ID : 75189761850
Status : Answered
Chosen Option : 1

Q.43 If $144 : y :: y : 225$, and $y > 0$, find the value of y .

- Ans ☒ 1. 210
☒ 2. 180
☒ 3. 130
☒ 4. 120

Question ID : 75189714315
Option 1 ID : 75189757260
Option 2 ID : 75189757259
Option 3 ID : 75189757258
Option 4 ID : 75189757257
Status : Answered
Chosen Option : 2

Q.44 The process of using electricity to decompose water into oxygen and hydrogen gas is called _____.

- Ans ☒ 1. hydrolysis of water
☒ 2. ionisation of water
☒ 3. atomisation of water
☒ 4. electrolysis of water

Question ID : 75189712779
Option 1 ID : 75189751113
Option 2 ID : 75189751115
Option 3 ID : 75189751116
Option 4 ID : 75189751114
Status : Not Answered
Chosen Option : --

Q.45

- Ans ☒ 1. 9
☒ 2. 15
☒ 3. 24
☒ 4. 32

Question ID : 75189712714
Option 1 ID : 75189750854
Option 2 ID : 75189750856
Option 3 ID : 75189750853
Option 4 ID : 75189750855
Status : Answered
Chosen Option : 2

Q.46 Ujwal has ₹5,250 in currency notes of denominations ₹50, ₹100 and ₹200. The number of notes of each denomination are equal. How many notes in total does Ujwal have?

- Ans ☒ 1. 30
☒ 2. 60
☒ 3. 45
☒ 4. 15

Question ID : 75189714385
Option 1 ID : 75189757538
Option 2 ID : 75189757540
Option 3 ID : 75189757539
Option 4 ID : 75189757537
Status : Answered
Chosen Option : 3

Q.47 Who founded the Indian Statistical Institute and is considered the Father of Modern Statistics in India?

- Ans ☒ 1. Debabrata Basu
☒ 2. Prasanta Chandra Mahalanobis
☒ 3. Raghu Raj Bahadur
☒ 4. Anil Kumar Bhattacharya

Question ID : 75189712392
Option 1 ID : 75189749565
Option 2 ID : 75189749567
Option 3 ID : 75189749566
Option 4 ID : 75189749568
Status : Answered
Chosen Option : 2

Q.48

Ans  1.

Real wage rate is equal to the Marginal Productivity of Labour.

 2.

Real wage rate is less than the Marginal Productivity of Labour.

 3.

Real wage rate has no relation to Marginal Productivity of Labour.

 4.

Real wage rate is more than the Marginal Productivity of Labour.

Question ID : 75189715430

Option 1 ID : 75189761718

Option 2 ID : 75189761719

Option 3 ID : 75189761720

Option 4 ID : 75189761717

Status : Answered

Chosen Option : 1

Q.49 The effective diameter of the circular outline of a spherical lens is called _____.

Ans  1. aperture

 2. centre of curvature

 3. radius of curvature

 4. focus

Question ID : 75189713766

Option 1 ID : 75189755064

Option 2 ID : 75189755063

Option 3 ID : 75189755061

Option 4 ID : 75189755062

Status : Answered

Chosen Option : 1

Q.50 Which of the following numbers will replace the question mark (?) in the given series?

1331 729 343 125 ?

Ans  1. 1

 2. 27

 3. 8

 4. 64

Question ID : 75189712682

Option 1 ID : 75189750726

Option 2 ID : 75189750725

Option 3 ID : 75189750728

Option 4 ID : 75189750727

Status : Answered

Chosen Option : 2

Q.51

- Ans
- ☒ 1. $\sec^2 A$
 - ☒ 2. $\tan^2 A$
 - ☒ 3. $\sin^2 A$
 - ☒ 4. $\cos^2 A$

Question ID : 75189713477

Option 1 ID : 75189753906

Option 2 ID : 75189753905

Option 3 ID : 75189753907

Option 4 ID : 75189753908

Status : Answered

Chosen Option : 2

Q.52 According to the Census of India 2011, _____ has the largest number of Christians among the states.

- Ans
- ☒ 1. Goa
 - ☒ 2. Nagaland
 - ☒ 3. Kerela
 - ☒ 4. Mizoram

Question ID : 75189710446

Option 1 ID : 75189741782

Option 2 ID : 75189741784

Option 3 ID : 75189741781

Option 4 ID : 75189741783

Status : Answered

Chosen Option : 1

Q.53 Simplify the following.

$$1\frac{1}{2} \times 22 + 10 \div 5 - 2 \times 8$$

- Ans
- ☒ 1. 17
 - ☒ 2. $-\frac{613}{44}$
 - ☒ 3. 19
 - ☒ 4. $-\frac{13}{2}$

Question ID : 75189713245

Option 1 ID : 75189752978

Option 2 ID : 75189752977

Option 3 ID : 75189752979

Option 4 ID : 75189752980

Status : Answered

Chosen Option : 3

Q.54

On 5th August 2021 which one of the following state launched 'Makkalai Thedi Maruthuvam' Scheme that helps the poor, sick who can't visit hospitals and the chronically ill, by providing medical facilities at their doorstep?

Ans

✓ 1. Tamil Nadu

✗ 2. Kerala

✗ 3. Karnataka

✗ 4. Telangana

Question ID : 7518973795

Option 1 ID : 75189715178

Option 2 ID : 75189715179

Option 3 ID : 75189715177

Option 4 ID : 75189715180

Status : Not Answered

Chosen Option : --

Q.55 system of ad hoc treasury bills to finance the budget deficit was discontinued in India with effect from April 1, _____.

Ans

✓ 1. 1997

✗ 2. 1994

✗ 3. 2007

✗ 4. 2004

Question ID : 7518978542

Option 1 ID : 75189734166

Option 2 ID : 75189734165

Option 3 ID : 75189734168

Option 4 ID : 75189734167

Status : Not Answered

Chosen Option : --

Q.56 In the Modern Periodic Table elements present in one group have the same number of _____.

Ans

✗ 1. electrons

✓ 2. valence electrons

✗ 3. shells

✗ 4. protons

Question ID : 75189715155

Option 1 ID : 75189760617

Option 2 ID : 75189760618

Option 3 ID : 75189760619

Option 4 ID : 75189760620

Status : Answered

Chosen Option : 1

Q.57

- Ans
- ☒ 1. Rajasthan
 - ☒ 2. Punjab
 - ☒ 3. Bihar
 - ☒ 4. Odisha

Question ID : 75189715073
Option 1 ID : 75189760290
Option 2 ID : 75189760289
Option 3 ID : 75189760291
Option 4 ID : 75189760292
Status : Not Answered
Chosen Option : --

Q.58 Which of the following is a premier national research funding agency with the mission to raise the quality and footprint of Indian science and engineering to the highest global levels in an accelerated mode, through calibrated, competitive support of research and development?

- Ans
- ☒ 1. Department of Science & Industrial Research
 - ☒ 2. Science and Engineering Research Board (SERB)
 - ☒ 3. Department of Space
 - ☒ 4. Department of Scientific Research

Question ID : 75189715488
Option 1 ID : 75189761950
Option 2 ID : 75189761952
Option 3 ID : 75189761949
Option 4 ID : 75189761951
Status : Answered
Chosen Option : 4

Q.59 The mean of the first 7 prime numbers is:

- Ans
- ☒ 1. $\frac{58}{7}$
 - ☒ 2. $\frac{63}{7}$
 - ☒ 3. $\frac{75}{7}$
 - ☒ 4. $\frac{50}{7}$

Question ID : 75189714361
Option 1 ID : 75189757442
Option 2 ID : 75189757444
Option 3 ID : 75189757441
Option 4 ID : 75189757443
Status : Answered
Chosen Option : 1

Q.60

- Ans ☒ 1. 3 : 2
☒ 2. 2 : 1
☒ 3. 5 : 6
☒ 4. 4 : 3

Question ID : 75189714348

Option 1 ID : 75189757389

Option 2 ID : 75189757391

Option 3 ID : 75189757392

Option 4 ID : 75189757390

Status : Answered

Chosen Option : 3

Q.61 By which process do we get washing soda?

- Ans ☒ 1. By reaction between NaCl(aq) , NH_3 and CO_2
☒ 2. By heating of NaHCO_3
☒ 3. By mixing NaHCO_3 with an edible acid
☒ 4. By recrystallisation of Na_2CO_3

Question ID : 7518979658

Option 1 ID : 75189738632

Option 2 ID : 75189738629

Option 3 ID : 75189738630

Option 4 ID : 75189738631

Status : Not Answered

Chosen Option : --

Q.62 If each of the letters in the word 'CAUTIONED' is arranged in the English alphabetical order, which letter will be in the exact middle position after such arrangement?

- Ans ☒ 1. N
☒ 2. I
☒ 3. E
☒ 4. O

Question ID : 75189713555

Option 1 ID : 75189754217

Option 2 ID : 75189754220

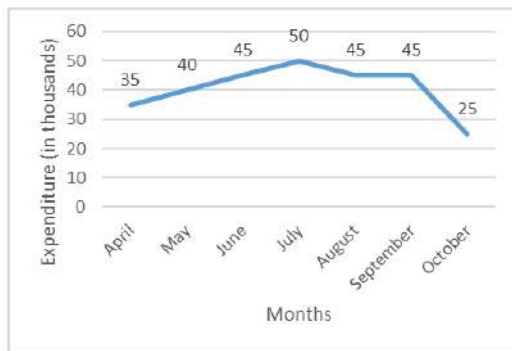
Option 3 ID : 75189754219

Option 4 ID : 75189754218

Status : Answered

Chosen Option : 2

Q.63 The following graph shows the expenditure of a family over different months. Study the graph and answer the question.



What is the approximate average of the total expenditure in April, May, June, August, September and October (in thousands)?

- Ans
- ☒ 1. 26
 - ☒ 2. 16
 - ☒ 3. 84
 - ☒ 4. 39

Question ID : 75189715202

Option 1 ID : 75189760807

Option 2 ID : 75189760806

Option 3 ID : 75189760805

Option 4 ID : 75189760808

Status : Answered

Chosen Option : 4

Q.64 If $y : 196 :: 196 : 784$, then what is the value of y ?

- Ans
- ☒ 1. 16
 - ☒ 2. 4
 - ☒ 3. 7
 - ☒ 4. 49

Question ID : 75189714316

Option 1 ID : 75189757264

Option 2 ID : 75189757261

Option 3 ID : 75189757262

Option 4 ID : 75189757263

Status : Answered

Chosen Option : 4

Q.65

- Ans
- ☐ 1. CH_3OH and CH_4
 - ☒ 2. CH_3OH and $\text{C}_2\text{H}_5\text{OH}$
 - ☐ 3. $\text{C}_3\text{H}_7\text{OH}$ and CH_3OH
 - ☐ 4. CH_3OH and $\text{C}_3\text{H}_7\text{OH}$

Question ID : 75189714755

Option 1 ID : 75189759017

Option 2 ID : 75189759018

Option 3 ID : 75189759020

Option 4 ID : 75189759019

Status : Not Answered

Chosen Option : --

Q.66 If $x - \frac{1}{x} = 2$, then find the value of $x^4 + \frac{1}{x^4}$.

- Ans
- ☐ 1. 24
 - ☐ 2. 16
 - ☒ 3. 34
 - ☐ 4. 36

Question ID : 75189713357

Option 1 ID : 75189753428

Option 2 ID : 75189753427

Option 3 ID : 75189753426

Option 4 ID : 75189753425

Status : Answered

Chosen Option : 3

Q.67 The position of how many letters will remain unchanged if each of the letters in the word BRIGHT is arranged in alphabetical order?

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

Question ID : 75189715118

Option 1 ID : 75189760471

Option 2 ID : 75189760470

Option 3 ID : 75189760469

Option 4 ID : 75189760472

Status : Answered

Chosen Option : 3

Q.68

- Ans
- ☐ 1. Surgical blockage of the fallopian tubes
 - ☐ 2. Use of condoms
 - ☒ 3. Intake of pills
 - ☐ 4. Insertion of Copper-T

Question ID : 75189714836

Option 1 ID : 75189759344

Option 2 ID : 75189759341

Option 3 ID : 75189759342

Option 4 ID : 75189759343

Status : Answered

Chosen Option : 3

Q.69 Which of the following is required for the formation of human blood?

- Ans
- ☐ 1. Copper
 - ☐ 2. Cobalt
 - ☒ 3. Iron
 - ☐ 4. Nickel

Question ID : 75189710220

Option 1 ID : 75189740877

Option 2 ID : 75189740878

Option 3 ID : 75189740879

Option 4 ID : 75189740880

Status : Answered

Chosen Option : 3

Q.70 A capsule is in the shape of a sphere of diameter 3.5 mm. Find the amount of medicine required to fill the capsule (in

mm^3). [Use $\pi = \frac{22}{7}$, and give your answer correct to 2 places of decimal.]

- Ans
- ☐ 1. 22.42
 - ☐ 2. 22.41
 - ☒ 3. 22.46
 - ☐ 4. 22.43

Question ID : 75189711808

Option 1 ID : 75189747231

Option 2 ID : 75189747229

Option 3 ID : 75189747230

Option 4 ID : 75189747232

Status : Answered

Chosen Option : 3

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

(Left) S = N 4 & % L A * 6 T & C @ 4 B % 2 X L (Right)

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

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

Question ID : 75189713209

Option 1 ID : 75189752833

Option 2 ID : 75189752836

Option 3 ID : 75189752835

Option 4 ID : 75189752834

Status : Answered

Chosen Option : 2

Q.72 The length of a rectangle is 5 cm more than its width. If the area of the rectangle is 215 cm^2 , then the equation to find the width (w) of the rectangle is:

- Ans
- ☒ 1. $w^2 - 5w - 215 = 0$
 - ☒ 2. $2w^2 + 5w - 215 = 0$
 - ☒ 3. $w^2 + 5w + 215 = 0$
 - ☒ 4. $w^2 + 5w - 215 = 0$

Question ID : 75189713377

Option 1 ID : 75189753506

Option 2 ID : 75189753508

Option 3 ID : 75189753507

Option 4 ID : 75189753505

Status : Answered

Chosen Option : 4

Q.73 If each even digit is divided by 2 and 2 is added to each odd digit in the number 4723361, what will be the sum of the largest and the smallest digits thus formed?

- Ans
- ☒ 1. 9
 - ☒ 2. 12
 - ☒ 3. 10
 - ☒ 4. 11

Question ID : 75189713717

Option 1 ID : 75189754865

Option 2 ID : 75189754868

Option 3 ID : 75189754866

Option 4 ID : 75189754867

Status : Answered

Chosen Option : 3

Q.74 Generally, plants have low energy needs when compared to animals. The main reason for this is the:

- (A) presence of large proportion of dead cells in the tissues
- (B) absence of mobility
- (C) plants synthesise their own food
- (D) plants release O_2 during respiration

Ans  1. A and B

 2. B and C

 3. A and D

 4. A and C

Question ID : 75189710168

Option 1 ID : 75189740669

Option 2 ID : 75189740672

Option 3 ID : 75189740671

Option 4 ID : 75189740670

Status : Answered

Chosen Option : 1

Q.75 Simplify the following.

$$(y^2x)^4 \times (y^2x)^{-4}, x \neq 0, y \neq 0.$$

Ans  1. 0

 2. $(y^2x)^8$

 3. 1

 4. $(y^2x)^{-16}$

Question ID : 75189713252

Option 1 ID : 75189753008

Option 2 ID : 75189753005

Option 3 ID : 75189753006

Option 4 ID : 75189753007

Status : Answered

Chosen Option : 3

Q.76

- Ans
- ☐ 1. loss of water
 - ☐ 2. synthesis of ethanol
 - ☐ 3. accumulation of pyruvate
 - ☒ 4. formation of lactic acid

Question ID : 75189714821

Option 1 ID : 75189759281

Option 2 ID : 75189759283

Option 3 ID : 75189759282

Option 4 ID : 75189759284

Status : Answered

Chosen Option : 4

Q.77 If a transversal cuts two parallel lines, then which of the options below is necessarily true?

- Ans
- ☒ 1. the interior alternate angles are equal
 - ☐ 2. the interior opposite angles on the same side of the transversal are equal
 - ☐ 3. the adjacent angles formed are equal
 - ☐ 4. the vertically opposite angles are supplementary

Question ID : 75189711818

Option 1 ID : 75189747270

Option 2 ID : 75189747271

Option 3 ID : 75189747269

Option 4 ID : 75189747272

Status : Answered

Chosen Option : 4

Q.78 How many people have received the Shanti Swaroop Bhatnagar Award in 2021 ?

- Ans
- ☐ 1. 12
 - ☒ 2. 11
 - ☐ 3. 10
 - ☐ 4. 9

Question ID : 75189715486

Option 1 ID : 75189761944

Option 2 ID : 75189761942

Option 3 ID : 75189761943

Option 4 ID : 75189761941

Status : Not Answered

Chosen Option : --

Q.79

- Ans
- ☐ 1. oligarchy
 - ☐ 2. communalism
 - ☐ 3. monarchy
 - ☒ 4. parliamentary

Question ID : 7518978923
Option 1 ID : 75189735689
Option 2 ID : 75189735690
Option 3 ID : 75189735691
Option 4 ID : 75189735692

Status : Answered

Chosen Option : 4

Q.80 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.

WQN : VPM
JRE : IQD

- Ans
- ☐ 1. PKM : UGI
 - ☐ 2. GKV : OSN
 - ☐ 3. FCH : TBY
 - ☒ 4. TGI : SFH

Question ID : 75189714924
Option 1 ID : 75189759694
Option 2 ID : 75189759695
Option 3 ID : 75189759696
Option 4 ID : 75189759693

Status : Answered

Chosen Option : 4

Q.81 3 solid hemispheres of radius 2 unit each are melted and recast into a single sphere. Find the radius (in given units) of the newly cast single sphere.

- Ans
- ☒ 1. $\sqrt[3]{12}$
 - ☐ 2. $\sqrt[3]{10}$
 - ☐ 3. 3
 - ☐ 4. $\sqrt[3]{15}$

Question ID : 75189713398
Option 1 ID : 75189753592
Option 2 ID : 75189753591
Option 3 ID : 75189753590
Option 4 ID : 75189753589

Status : Answered

Chosen Option : 1

Q.82

- Ans ☒ 1. 0°
- ☐ 2. 270°
- ☐ 3. 90°
- ☐ 4. 180°

Question ID : 7518979471
Option 1 ID : 75189737881
Option 2 ID : 75189737884
Option 3 ID : 75189737882
Option 4 ID : 75189737883
Status : Answered
Chosen Option : 3

Q.83 Which of the following numbers will replace the question mark (?) in the given series?

9.6 8.4 7.2 6 ?

- Ans ☐ 1. 4.2
- ☐ 2. 5.4
- ☐ 3. 3.6
- ☒ 4. 4.8

Question ID : 75189712700
Option 1 ID : 75189750800
Option 2 ID : 75189750799
Option 3 ID : 75189750798
Option 4 ID : 75189750797
Status : Answered
Chosen Option : 4

Q.84 A dishonest merchant claims to sell his items at cost price, but gives 200 kg of an item instead of the 250 kg he charges for. What is his percentage of profit in this transaction?

- Ans ☐ 1. 20%
- ☐ 2. 15%
- ☒ 3. 25%
- ☐ 4. 10%

Question ID : 75189714330
Option 1 ID : 75189757317
Option 2 ID : 75189757318
Option 3 ID : 75189757319
Option 4 ID : 75189757320
Status : Answered
Chosen Option : 3

Q.85

- Ans
- ☒ 1. Sourav
 - ☒ 2. Suchita
 - ☒ 3. Gabriel
 - ☒ 4. Dhruv

Question ID : 75189713018
Option 1 ID : 75189752071
Option 2 ID : 75189752072
Option 3 ID : 75189752070
Option 4 ID : 75189752069
Status : Answered
Chosen Option : 2

Q.86 The variable X takes values 3 and 7, with frequencies of K and $K - 2$, respectively. If the arithmetic mean of X is 4, then the value of K is:

- Ans
- ☒ 1. 4
 - ☒ 2. 6
 - ☒ 3. 5
 - ☒ 4. 3

Question ID : 75189714362
Option 1 ID : 75189757447
Option 2 ID : 75189757448
Option 3 ID : 75189757446
Option 4 ID : 75189757445
Status : Not Answered
Chosen Option : --

Q.87 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 /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)

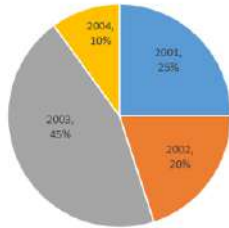
(15, 405, 9)
(13, 273, 7)

- Ans
- ☒ 1. (11, 165, 5)
 - ☒ 2. (12, 360, 5)
 - ☒ 3. (9, 405, 9)
 - ☒ 4. (14, 490, 7)

Question ID : 75189713131
Option 1 ID : 75189752522
Option 2 ID : 75189752521
Option 3 ID : 75189752523
Option 4 ID : 75189752524
Status : Answered
Chosen Option : 1

Q.88 Study the given pie-chart and answer the following question.

The given pie chart depicts the number of complaints received in four years. The total number of complaints received in the four years together is 200.



What is the difference between the total number of complaints received in 2001 and 2003 together and the number of complaints received in 2002?

- Ans**
- ☒ 1. 110
 - ☒ 2. 100
 - ☒ 3. 90
 - ☒ 4. 120

Question ID : **75189712737**

Option 1 ID : **75189750945**

Option 2 ID : **75189750946**

Option 3 ID : **75189750948**

Option 4 ID : **75189750947**

Status : **Answered**

Chosen Option : **2**

Q.89 In electric circuits, losses take place in the form of _____ due to flow of electric current.

- Ans**
- ☒ 1. light
 - ☒ 2. sound
 - ☒ 3. Magnetic losses
 - ☒ 4. heat

Question ID : **75189713821**

Option 1 ID : **75189755281**

Option 2 ID : **75189755282**

Option 3 ID : **75189755284**

Option 4 ID : **75189755283**

Status : **Answered**

Chosen Option : **4**

Q.90 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 is numbered 6. C lives immediately above F, on an even numbered floor but not on the 6th floor. Only three people live between F and E. If B lives two floors below E, and A is not on the topmost floor, then how many people live exactly between D and C?

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

Question ID : 75189714901

Option 1 ID : 75189759602

Option 2 ID : 75189759604

Option 3 ID : 75189759603

Option 4 ID : 75189759601

Status : Answered

Chosen Option : 2

Q.91 A sum of ₹7,250 is lent under simple interest at the beginning of a year at a certain rate of interest per annum. After 6 months, a sum of ₹3,625 more is lent under simple interest but at a rate that is twice the former. At the end of the year, ₹335 is earned as interest from both the loans taken together. What was the rate of interest per annum at which the initial ₹7,250 was lent? [Give your answer correct to 2 decimal places.]

- Ans
- ☒ 1. 3.08%
 - ☒ 2. 3.00%
 - ☒ 3. 3.10%
 - ☒ 4. 3.12%

Question ID : 75189712953

Option 1 ID : 75189751811

Option 2 ID : 75189751810

Option 3 ID : 75189751809

Option 4 ID : 75189751812

Status : Answered

Chosen Option : 1

Q.92 The interior angles of an 8-sided polygon are in the ratio 1 : 3 : 4 : 6 : 7 : 11 : 13 : 15. Find the measure of the largest interior angle in this polygon.

- Ans
- ☒ 1. 288°
 - ☒ 2. 300°
 - ☒ 3. 270°
 - ☒ 4. 234°

Question ID : 75189713455

Option 1 ID : 75189753818

Option 2 ID : 75189753817

Option 3 ID : 75189753820

Option 4 ID : 75189753819

Status : Answered

Chosen Option : 3

Q.93

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

Question ID : 75189714088

Option 1 ID : 75189756349

Option 2 ID : 75189756350

Option 3 ID : 75189756351

Option 4 ID : 75189756352

Status : Answered

Chosen Option : 2

Q.94 Ratio of $\sin i$ and $\sin r$ is known as:

- Ans
- ☒ 1. dispersion
 - ☒ 2. magnification
 - ☒ 3. refractive index
 - ☒ 4. refraction

Question ID : 7518979505

Option 1 ID : 75189738018

Option 2 ID : 75189738017

Option 3 ID : 75189738020

Option 4 ID : 75189738019

Status : Not Answered

Chosen Option : --

Q.95 The fuse used for domestic purpose is rated in the range of _____.

- Ans
- ☒ 1. 100 Ampere – 200 Ampere
 - ☒ 2. 500 Ampere – 1000 Ampere
 - ☒ 3. 1 Ampere – 10 Ampere
 - ☒ 4. 1000 Ampere – 2000 Ampere

Question ID : 75189713818

Option 1 ID : 75189755270

Option 2 ID : 75189755271

Option 3 ID : 75189755269

Option 4 ID : 75189755272

Status : Not Answered

Chosen Option : --

Q.96

Ans  1.

To settle disputes and makes judgments between different level of governments

-  2. To select the national government
-  3. To control, guide and inform the government
-  4. The function of law making

Question ID : 75189714021

Option 1 ID : 75189756082

Option 2 ID : 75189756081

Option 3 ID : 75189756083

Option 4 ID : 75189756084

Status : Answered

Chosen Option : 2

Q.97 Ram is to the south-west of Abhishek. Arjun is to the north of Ram as well as to the west of Abhishek. Pooja is to the west of Arjun. What is the position of Pooja with respect to Abhishek?

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

Question ID : 75189713226

Option 1 ID : 75189752903

Option 2 ID : 75189752904

Option 3 ID : 75189752902

Option 4 ID : 75189752901

Status : Answered

Chosen Option : 4

Q.98 In Rajasthan, _____ is a nature loving community that conserves forest and wildlife.

- Ans  1. Bishnoi
-  2. Banjara
-  3. Bhil
-  4. Chhipa

Question ID : 75189710285

Option 1 ID : 75189741137

Option 2 ID : 75189741138

Option 3 ID : 75189741139

Option 4 ID : 75189741140

Status : Not Answered

Chosen Option : --

Q.99

- Ans
- ☒ 1. Steffi Grafa
 - ☒ 2. Serena Williams
 - ☒ 3. Chris Evert
 - ☒ 4. Martina Navratilova

Question ID : 75189715401

Option 1 ID : 75189761602

Option 2 ID : 75189761601

Option 3 ID : 75189761604

Option 4 ID : 75189761603

Status : Not Answered

Chosen Option : --

Q.100 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 / 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.)

(2, 6, 22)

(4, 13, 47)

- Ans
- ☒ 1. (7, 4, 36)
 - ☒ 2. (29, 35, 68)
 - ☒ 3. (23, 41, 77)
 - ☒ 4. (9, 5, 33)

Question ID : 75189714951

Option 1 ID : 75189759803

Option 2 ID : 75189759802

Option 3 ID : 75189759801

Option 4 ID : 75189759804

Status : Answered

Chosen Option : 4