



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	Orissa Institute Of Engineering And Technology
Test Date	15/09/2022
Test Time	5:00 PM - 6:30 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 The area of a rectangle is 225 cm^2 . The length (x) of the rectangle is 4 more than 4 times the breadth (y). The area in terms of a quadratic form (in x) is:

- Ans**
- ✓ 1. $x^2 - 4x - 900 = 0$
 - ✗ 2. $x^2 + 4x + 900 = 0$
 - ✗ 3. $x^2 + 4x - 900 = 0$
 - ✗ 4. $x^2 - 4x + 900 = 0$

Question ID : 7518978760

Option 1 ID : 75189735039

Option 2 ID : 75189735040

Option 3 ID : 75189735037

Option 4 ID : 75189735038

Status : Not Answered

Chosen Option : --

Q.2 Six boxes, red, green, yellow, pink, blue, and orange, are kept vertically, one over the other (but not necessarily in the same order). The red box is placed at an odd number position when counted from the bottom but it is not in the fifth position. The red box is placed immediately above the yellow box. Only two boxes are placed between the yellow box and the orange box. Only two boxes are placed between the blue box and the pink box and only one box is placed between the blue box and the green box. Which box is placed third from the top?

- Ans**
- ☒ 1. Blue
 - ☐ 2. Green
 - ☐ 3. Pink
 - ☐ 4. Red

Question ID : **75189710990**

Option 1 ID : **75189743958**

Option 2 ID : **75189743959**

Option 3 ID : **75189743960**

Option 4 ID : **75189743957**

Status : **Answered**

Chosen Option : **1**

Q.3 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. 12 – Operations on 12 such as adding/ subtracting/multiplying etc. to 12 can be performed. Breaking down 12 into 1 and 2 and then performing mathematical operations on 1 and 2 is not allowed)

(10, 300, 10)

(11, 165, 5)

- Ans**
- ☐ 1. (8, 20, 8)
 - ☐ 2. (11, 188, 6)
 - ☐ 3. (10, 400, 20)
 - ☒ 4. (9, 243, 9)

Question ID : **7518978320**

Option 1 ID : **75189733280**

Option 2 ID : **75189733278**

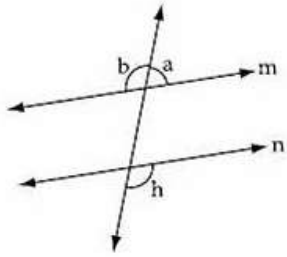
Option 3 ID : **75189733277**

Option 4 ID : **75189733279**

Status : **Answered**

Chosen Option : **4**

Q.4 In the given figure, if $n \parallel m$ and $m\angle a : m\angle b = 2 : 3$, then what is $m\angle h$?



- Ans
- ☒ 1. 72°
 - ☒ 2. 108°
 - ☒ 3. 120°
 - ☒ 4. 90°

Question ID : 7518979107

Option 1 ID : 75189736428

Option 2 ID : 75189736426

Option 3 ID : 75189736427

Option 4 ID : 75189736425

Status : Answered

Chosen Option : 2

Q.5 This question is based on the five, three-digit numbers given below.

(Left) 478 775 357 183 246 (Right)

(Example: 697 – first digit = 6, second digit = 9, third digit = 7)

NOTE: All operations to be done from left to right.

What will be the resultant if the third digit of the largest number is added to the second digit of the smallest number?

- Ans
- ☒ 1. 13
 - ☒ 2. 10
 - ☒ 3. 18
 - ☒ 4. 12

Question ID : 7518979850

Option 1 ID : 75189739397

Option 2 ID : 75189739399

Option 3 ID : 75189739400

Option 4 ID : 75189739398

Status : Answered

Chosen Option : 1

Q.6

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

Question ID : 7518979912

Option 1 ID : 75189739645

Option 2 ID : 75189739648

Option 3 ID : 75189739647

Option 4 ID : 75189739646

Status : Answered

Chosen Option : 1

Q.7 Arabari forest is located in _____.

- Ans
- ☒ 1. Assam
 - ☒ 2. Pachmarhi
 - ☒ 3. Midnapore
 - ☒ 4. Garhwal

Question ID : 7518974498

Option 1 ID : 75189717992

Option 2 ID : 75189717990

Option 3 ID : 75189717989

Option 4 ID : 75189717991

Status : Not Answered

Chosen Option : --

Q.8 The positive square root of $(6 + 2\sqrt{3})(6 - 2\sqrt{3})$ is _____.

- Ans
- ☒ 1. 12
 - ☒ 2. $2\sqrt{6}$
 - ☒ 3. 24
 - ☒ 4. $6\sqrt{2}$

Question ID : 75189710621

Option 1 ID : 75189742482

Option 2 ID : 75189742484

Option 3 ID : 75189742481

Option 4 ID : 75189742483

Status : Answered

Chosen Option : 2

Q.9

- Ans  1. ₹1,331
-  2. ₹1,300
-  3. ₹1,376
-  4. ₹1,390

Question ID : 75189710657

Option 1 ID : 75189742625

Option 2 ID : 75189742626

Option 3 ID : 75189742627

Option 4 ID : 75189742628

Status : Answered

Chosen Option : 1

Q.10 The acid and base which form sodium hydrogen carbonate are:

- Ans  1. H_2CO_3 and NaOH
-  2. HCl and NaCl
-  3. HCl and NaOH
-  4. H_2CO_3 and Na_2CO_3

Question ID : 7518973661

Option 1 ID : 75189714641

Option 2 ID : 75189714644

Option 3 ID : 75189714642

Option 4 ID : 75189714643

Status : Answered

Chosen Option : 4

Q.11 Which of the following numbers will replace the question mark (?) in the given series?

17, 23, 27, 29, ?

- Ans  1. 31
-  2. 30
-  3. 29
-  4. 25

Question ID : 75189711066

Option 1 ID : 75189744263

Option 2 ID : 75189744262

Option 3 ID : 75189744261

Option 4 ID : 75189744264

Status : Answered

Chosen Option : 3

Q.12

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

Question ID : 7518979456
Option 1 ID : 75189737822
Option 2 ID : 75189737821
Option 3 ID : 75189737823
Option 4 ID : 75189737824
Status : Answered
Chosen Option : 2

Q.13 The women who started the Chipko Andolan in the 1970s wanted to save _____.

- Ans
- ☐ 1. an endangered resource
 - ☐ 2. a non-biodegradable resource
 - ☐ 3. an extremely rare resource
 - ☒ 4. a renewable resource

Question ID : 75189710132
Option 1 ID : 75189740528
Option 2 ID : 75189740527
Option 3 ID : 75189740525
Option 4 ID : 75189740526
Status : Not Answered
Chosen Option : --

Q.14 The magnetic field produced by the long solenoid carrying current is:

- Ans
- ☒ 1. uniform inside the solenoid
 - ☐ 2. zero inside the solenoid
 - ☐ 3. non-uniform inside the solenoid
 - ☐ 4. maximum at the ends of the solenoid

Question ID : 75189711170
Option 1 ID : 75189744677
Option 2 ID : 75189744678
Option 3 ID : 75189744680
Option 4 ID : 75189744679
Status : Answered
Chosen Option : 1

Q.15

- Ans  1. PARAM Bheem
 2. PARAM Yuva
 3. PARAM Yamuna
 4. PARAM Ganga

Question ID : 7518979356

Option 1 ID : 75189737424

Option 2 ID : 75189737422

Option 3 ID : 75189737423

Option 4 ID : 75189737421

Status : Answered

Chosen Option : 2

Q.16 As per a news report in March 2022, scientists at the Centre for Nano and Soft Matter Sciences (CeNS) designed an electrocatalyst system for energy-efficient production of _____ with the help of electrolysis of urea.

- Ans  1. oxygen
 2. nitrogen
 3. helium
 4. hydrogen

Question ID : 7518978501

Option 1 ID : 75189734002

Option 2 ID : 75189734001

Option 3 ID : 75189734004

Option 4 ID : 75189734003

Status : Answered

Chosen Option : 2

Q.17 Ramesh buys a radio for ₹4,000. He sells it at a profit of 10% to Mohan. Mohan spends ₹500 on it. Then he sells it at a profit of 12% to Ritwik. The cost price of the radio to Ritwik is:

- Ans  1. ₹5,288
 2. ₹4,900
 3. ₹5,088
 4. ₹5,488

Question ID : 7518979947

Option 1 ID : 75189739787

Option 2 ID : 75189739785

Option 3 ID : 75189739786

Option 4 ID : 75189739788

Status : Answered

Chosen Option : 4

Q.18

- Ans
- ☐ 1. 165
 - ☐ 2. 150
 - ☐ 3. 200
 - ☒ 4. 175

Question ID : 7518977226
Option 1 ID : 75189728904
Option 2 ID : 75189728903
Option 3 ID : 75189728901
Option 4 ID : 75189728902
Status : Not Answered
Chosen Option : --

Q.19 When white light is passed through a prism it undergoes dispersion. The angle of deviation is:

- Ans
- ☐ 1. directly proportional to the wavelength
 - ☒ 2. inversely proportional to the wavelength
 - ☐ 3. independent of the wavelength
 - ☐ 4. maximum for red colour

Question ID : 75189711152
Option 1 ID : 75189744605
Option 2 ID : 75189744606
Option 3 ID : 75189744607
Option 4 ID : 75189744608
Status : Answered
Chosen Option : 2

Q.20 If 11 is subtracted from each of the following numbers and the digits of each number are written in reverse order and then the numbers are arranged in ascending order, the position of how many numbers will NOT change?

167, 876, 567, 187, 873

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

Question ID : 7518978072
Option 1 ID : 75189732286
Option 2 ID : 75189732288
Option 3 ID : 75189732285
Option 4 ID : 75189732287
Status : Answered
Chosen Option : 3

Q.21

- Ans
- ☐ 1. 50π cm
 - ☐ 2. 20π cm
 - ☐ 3. 40π cm
 - ☒ 4. 30π cm

Question ID : 7518978782
Option 1 ID : 75189735125
Option 2 ID : 75189735128
Option 3 ID : 75189735126
Option 4 ID : 75189735127

Status : Answered

Chosen Option : 4

Q.22 In which sport did Abhishek Verma win the Arjuna Award 2021?

- Ans
- ☐ 1. Table Tennis
 - ☐ 2. Hockey
 - ☒ 3. Shooting
 - ☐ 4. Golf

Question ID : 7518976501
Option 1 ID : 75189726002
Option 2 ID : 75189726003
Option 3 ID : 75189726001
Option 4 ID : 75189726004

Status : Not Answered

Chosen Option : --

Q.23 Consider the reaction $\text{KI (aq)} + \text{PbNO}_3 \text{ (aq)} \rightarrow 2 \text{KNO}_3 \text{ (aq)} + \text{PbI}_2 \text{ (s)}$.

This is an example of:

- Ans
- ☒ 1. double displacement reaction
 - ☐ 2. decomposition reaction
 - ☐ 3. combination reaction
 - ☐ 4. displacement reaction

Question ID : 7518973597
Option 1 ID : 75189714387
Option 2 ID : 75189714385
Option 3 ID : 75189714386
Option 4 ID : 75189714388

Status : Not Answered

Chosen Option : --

Q.24

- Ans
- ☐ 1. It exerts a suction force.
 - ☐ 2. It exerts a pumping force.
 - ☒ 3. It promotes diffusion of water.
 - ☐ 4. It promotes growth of roots.

Question ID : 75189710067

Option 1 ID : 75189740265

Option 2 ID : 75189740266

Option 3 ID : 75189740267

Option 4 ID : 75189740268

Status : Answered

Chosen Option : 2

Q.25 If $361 : y :: y : 121$, and $y > 0$, then the value of y is:

- Ans
- ☐ 1. 247
 - ☐ 2. 381
 - ☐ 3. 121
 - ☒ 4. 209

Question ID : 75189710646

Option 1 ID : 75189742583

Option 2 ID : 75189742581

Option 3 ID : 75189742582

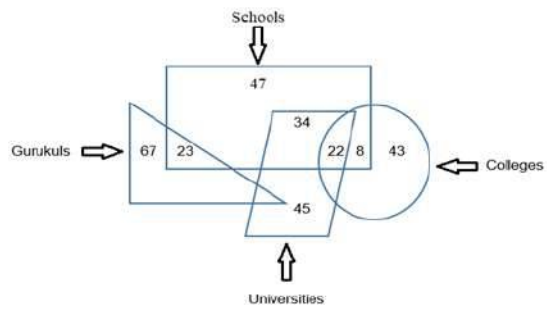
Option 4 ID : 75189742584

Status : Answered

Chosen Option : 4

Q.26 Study the given diagram carefully and answer the question that follows.

The numbers in different sections indicate the number of schools/colleges/universities/gurukuls.



How many Schools are Colleges and Universities but NOT Gurukuls?

- Ans
- ☒ 1. 8
 - ☒ 2. 22
 - ☒ 3. 34
 - ☒ 4. 23

Question ID : 75189711009

Option 1 ID : 75189744036

Option 2 ID : 75189744035

Option 3 ID : 75189744034

Option 4 ID : 75189744033

Status : Answered

Chosen Option : 2

Q.27 Evaluate $984^2 - 16^2$.

- Ans
- ☒ 1. 969000
 - ☒ 2. 966660
 - ☒ 3. 967000
 - ☒ 4. 968000

Question ID : 7518979981

Option 1 ID : 75189739923

Option 2 ID : 75189739924

Option 3 ID : 75189739921

Option 4 ID : 75189739922

Status : Answered

Chosen Option : 4

Q.28 A music school has classes for teaching six different musical instruments - flute, harmonium, guitar, sitar, drum and violin - each on a different day of a week starting from Monday and ending on Saturday of the same week, but not necessarily in the same order. Drum class is scheduled on Monday. Flute class is on Friday. Sitar class is on the day immediately after flute class. Only three classes are scheduled between Guitar and Sitar classes. Only Violin class is scheduled between Flute and Harmonium classes. On which day is Harmonium class scheduled?

- Ans**
- ☐ 1. Tuesday
 - ☐ 2. Monday
 - ☐ 3. Thursday
 - ☒ 4. Wednesday

Question ID : **75189710750**

Option 1 ID : **75189742997**

Option 2 ID : **75189742998**

Option 3 ID : **75189742999**

Option 4 ID : **75189743000**

Status : **Answered**

Chosen Option : **4**

Q.29 Who among the following surpassed Argentine superstar Lionel Messi to become the second-highest active international goal-scorer in June 2021?

- Ans**
- ☒ 1. Sunil Chhetri
 - ☐ 2. Subrata Pal
 - ☐ 3. Sandesh Jhingan
 - ☐ 4. Gurpreet Singh Sandhu

Question ID : **75189710401**

Option 1 ID : **75189741604**

Option 2 ID : **75189741603**

Option 3 ID : **75189741602**

Option 4 ID : **75189741601**

Status : **Answered**

Chosen Option : **1**

Q.30 The _____ scheme of Rajasthan was launched in collaboration with 'IPE Global', which provides the rural girls of the state with scholarship schemes by enrolling them at the secondary level.

- Ans**
- ☐ 1. Begum Hazrat Scholarship
 - ☒ 2. Udaan
 - ☐ 3. Yuvika
 - ☐ 4. Beti Bachao, Beti Padhao.

Question ID : **7518978837**

Option 1 ID : **75189735347**

Option 2 ID : **75189735348**

Option 3 ID : **75189735346**

Option 4 ID : **75189735345**

Status : **Answered**

Chosen Option : **1**

Q.31

- Ans ☒ 1. 9 : 1
☒ 2. 2 : 11
☒ 3. 1 : 9
☒ 4. 11 : 2

Question ID : 7518978736
Option 1 ID : 75189734943
Option 2 ID : 75189734942
Option 3 ID : 75189734944
Option 4 ID : 75189734941

Status : Answered
Chosen Option : 1

Q.32 What is the major product when ethanol reacts with potassium dichromate ($K_2Cr_2O_7$) in an acidic medium?

- Ans ☒ 1. Ethanoic acid
☒ 2. Ethene
☒ 3. Ethyl ethanoate
☒ 4. Ethanal

Question ID : 75189710312
Option 1 ID : 75189741245
Option 2 ID : 75189741248
Option 3 ID : 75189741247
Option 4 ID : 75189741246

Status : Not Answered
Chosen Option : --

Q.33 Sumit starts from Point F and drives 5 km towards the east. He then takes a left turn, drives 10 km, turns left and drives 8 km. He then takes a left turn and drives 3 km. He takes a final left turn, drives 3 km and stops at Point G. How far and towards which direction should he drive in order to reach Point F from Point G? (All turns are 90 degree turns only)

- Ans ☒ 1. 7 km towards the east
☒ 2. 7 km towards the south
☒ 3. 5 km towards the west
☒ 4. 8 km towards the east

Question ID : 7518979859
Option 1 ID : 75189739435
Option 2 ID : 75189739433
Option 3 ID : 75189739436
Option 4 ID : 75189739434

Status : Answered
Chosen Option : 2

Q.34

- Ans
- ☒ 1. is parallel to the principal axis
 - ☐ 2. passes through the centre of curvature
 - ☐ 3. passes through the focus of the mirror
 - ☐ 4. is normal to the mirror

Question ID : 7518975347
Option 1 ID : 75189721386
Option 2 ID : 75189721388
Option 3 ID : 75189721385
Option 4 ID : 75189721387

Status : Answered

Chosen Option : 1

Q.35 The Council of Ministers (Government of India) are headed by the _____.

- Ans
- ☐ 1. Speaker of Lok Sabha
 - ☐ 2. Vice president
 - ☐ 3. President
 - ☒ 4. Prime Minister

Question ID : 7518977558
Option 1 ID : 75189730232
Option 2 ID : 75189730230
Option 3 ID : 75189730229
Option 4 ID : 75189730231

Status : Answered

Chosen Option : 4

Q.36 Read the given statement(s) and conclusions carefully and decide which of the conclusions logically follow(s) from the statement(s).

Statement:

$B \leq L \leq U = A > D > E$

Conclusions:

I. $B < D$

II. $A \geq B$

- Ans
- ☐ 1. Either conclusion I or II follows
 - ☐ 2. Only conclusion I follows
 - ☒ 3. Only conclusion II follows
 - ☐ 4. Neither conclusion I nor II follows

Question ID : 7518978970
Option 1 ID : 75189735879
Option 2 ID : 75189735877
Option 3 ID : 75189735878
Option 4 ID : 75189735880

Status : Answered

Chosen Option : 3

Q.37

- Ans  1. E
 2. D
 3. F
 4. C

Question ID : 7518979127
Option 1 ID : 75189736507
Option 2 ID : 75189736505
Option 3 ID : 75189736506
Option 4 ID : 75189736508
Status : Answered
Chosen Option : 2

Q.38 If '+' means '-', '-' means 'x', 'x' means '+', '+' means '+', what will come in place of the question mark (?) in the following equation?

$$21 + 7 - 3 \div 20 \times 5 = ?$$

- Ans  1. 4
 2. 10
 3. 2
 4. 5

Question ID : 75189710952
Option 1 ID : 75189743806
Option 2 ID : 75189743808
Option 3 ID : 75189743805
Option 4 ID : 75189743807
Status : Answered
Chosen Option : 1

Q.39 Select the combination of letters that when placed in the same sequence in the blanks of the given series will complete the series.

AGPLH, _____, KOVPI, PSYRK, UWBTL, ZAEVM

- Ans  1. FISPM
 2. FKSNI
 3. BISPM
 4. FKSNI

Question ID : 7518977958
Option 1 ID : 75189731832
Option 2 ID : 75189731830
Option 3 ID : 75189731829
Option 4 ID : 75189731831
Status : Answered
Chosen Option : 4

Q.40

- Ans
- ☒ 1. Vasco Da Gama
 - ☐ 2. Queen Victoria
 - ☐ 3. Queen Elizabeth
 - ☒ 4. Saint Thomas

Question ID : 7518978862

Option 1 ID : 75189735447

Option 2 ID : 75189735445

Option 3 ID : 75189735446

Option 4 ID : 75189735448

Status : Answered

Chosen Option : 1

Q.41 In a certain code language, 'YOUTH' is written as 'DUBBQ' and 'AGENT' is written as 'FMLVC'. How will 'CURVE' be written in that language?

- Ans
- ☒ 1. HAYDN
 - ☐ 2. OUDNE
 - ☐ 3. DOIFJ
 - ☐ 4. HAIRN

Question ID : 7518979191

Option 1 ID : 75189736763

Option 2 ID : 75189736762

Option 3 ID : 75189736761

Option 4 ID : 75189736764

Status : Answered

Chosen Option : 1

Q.42 The difference between the compound interest (when interest is compounded annually) and the simple interest if ₹10,000 is deposited at 5% rate of interest per annum for 2 years is:

- Ans
- ☒ 1. ₹25
 - ☐ 2. ₹15
 - ☐ 3. ₹50
 - ☐ 4. ₹35

Question ID : 7518979942

Option 1 ID : 75189739765

Option 2 ID : 75189739766

Option 3 ID : 75189739768

Option 4 ID : 75189739767

Status : Answered

Chosen Option : 1

Q.43

- Ans
- ☒ 1. Third Five-Year Plan
 - ☒ 2. Fifth Five-Year Plan
 - ☒ 3. Second Five-Year Plan
 - ☒ 4. Fourth Five-Year Plan

Question ID : 7518979417
Option 1 ID : 75189737666
Option 2 ID : 75189737668
Option 3 ID : 75189737665
Option 4 ID : 75189737667

Status : Answered

Chosen Option : 2

Q.44 What is the positive difference between the sum of all prime numbers between 11 and 20 (both included) and the sum of all prime numbers between 30 and 50 (both included)?

- Ans
- ☒ 1. 141
 - ☒ 2. 135
 - ☒ 3. 137
 - ☒ 4. 139

Question ID : 7518979217
Option 1 ID : 75189736868
Option 2 ID : 75189736865
Option 3 ID : 75189736866
Option 4 ID : 75189736867

Status : Answered

Chosen Option : 4

Q.45 If the mode of a distribution is 27 and its median is 35, then the mean of the distribution is _____ (using empirical relation).

- Ans
- ☒ 1. 39
 - ☒ 2. 62
 - ☒ 3. 37.5
 - ☒ 4. 43.5

Question ID : 75189710685
Option 1 ID : 75189742739
Option 2 ID : 75189742737
Option 3 ID : 75189742738
Option 4 ID : 75189742740

Status : Answered

Chosen Option : 1

Q.46

- Ans  1. 8.5%
 2. 15%
 3. 20%
 4. 10%

Question ID : 75189710652

Option 1 ID : 75189742608

Option 2 ID : 75189742606

Option 3 ID : 75189742605

Option 4 ID : 75189742607

Status : Answered

Chosen Option : 4

Q.47 In this question, a group of numbers/symbols is coded using letters as per the table given below and the conditions which follow. The correct combination of codes following the condition is your answer.

Number/Symbol	2	6	%	@	?	4	<	3	7	=	!	&	9	8
Code	K	S	R	T	U	M	W	Y	A	V	C	X	E	B

Conditions:

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

How will '3 = 7 4 %' be coded?

- Ans  1. RVAMY
 2. MVSBY
 3. XCRBY
 4. SVYBR

Question ID : 7518977685

Option 1 ID : 75189730738

Option 2 ID : 75189730739

Option 3 ID : 75189730737

Option 4 ID : 75189730740

Status : Answered

Chosen Option : 1

Q.48 P, Q, R, S, T, X, Y and Z are sitting around a square table facing the centre of the table (but not necessarily in the same order). Some of them are sitting at the corners while some are sitting at the exact centre of the sides. S is the immediate neighbor of Q and X. Y does not have X and P as his immediate neighbours. Z who is to the immediate left of R, has P as immediate neighbours. If S, T, Y and Z are sitting at the exact center of the sides of the table, then who is sitting to the immediate right of X?

- Ans**
- ✓ 1. T
 - ✗ 2. P
 - ✗ 3. S
 - ✗ 4. Y

Question ID : 75189710737

Option 1 ID : 75189742946

Option 2 ID : 75189742948

Option 3 ID : 75189742945

Option 4 ID : 75189742947

Status : Not Answered

Chosen Option : --

Q.49 An electric motor is a device which converts:

- Ans**
- ✓ 1. electrical energy into mechanical energy
 - ✗ 2. solar energy into electrical energy
 - ✗ 3. mechanical energy into electrical energy
 - ✗ 4. mechanical energy into solar energy

Question ID : 75189711173

Option 1 ID : 75189744690

Option 2 ID : 75189744692

Option 3 ID : 75189744689

Option 4 ID : 75189744691

Status : Answered

Chosen Option : 1

Q.50 Electric power consumed by two electric bulbs (each with $5\ \Omega$ resistance) connected in series with a 3 V battery is:

- Ans**
- ✗ 1. 0.3 W
 - ✗ 2. 3 W
 - ✓ 3. 0.9 W
 - ✗ 4. 1 W

Question ID : 75189711162

Option 1 ID : 75189744646

Option 2 ID : 75189744648

Option 3 ID : 75189744645

Option 4 ID : 75189744647

Status : Answered

Chosen Option : 3

Q.51

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

Question ID : 75189711021

Option 1 ID : 75189744081

Option 2 ID : 75189744084

Option 3 ID : 75189744082

Option 4 ID : 75189744083

Status : Answered

Chosen Option : 2

Q.52 A and B can do a job in 14 days and 18 days, respectively. A works alone for 6 days and leaves. The number of days required by B to complete the remaining job is:

- Ans
- ☒ 1. $10\frac{4}{7}$
 - ☒ 2. $10\frac{2}{7}$
 - ☒ 3. $10\frac{3}{7}$
 - ☒ 4. $10\frac{5}{7}$

Question ID : 7518979963

Option 1 ID : 75189739851

Option 2 ID : 75189739849

Option 3 ID : 75189739850

Option 4 ID : 75189739852

Status : Answered

Chosen Option : 2

Q.53 Which of the following statements is INCORRECT about voluntary muscles?

- Ans
- ☒ 1. Cells are long, cylindrical, unbranched and uninucleate.
 - ☒ 2. These muscles are also called skeletal muscles.
 - ☒ 3. These muscles show alternate light and dark bands.
 - ☒ 4. They are mostly attached to bones.

Question ID : 75189710180

Option 1 ID : 75189740720

Option 2 ID : 75189740717

Option 3 ID : 75189740719

Option 4 ID : 75189740718

Status : Answered

Chosen Option : 2

Q.54

- Ans  1. Orange
-  2. Yellow
-  3. Green
-  4. Indigo

Question ID : 7518979529

Option 1 ID : 75189738116

Option 2 ID : 75189738113

Option 3 ID : 75189738114

Option 4 ID : 75189738115

Status : Answered

Chosen Option : 1

Q.55 Read the given statement and the arguments carefully and select the appropriate answer from the given options.

Statement:

The impact of social media is very much visible in every sphere of society.

Arguments:

- I. Today, people are connected across different countries through social media.
- II. Different cultures have been explored by people through social media.

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

Question ID : 75189711122

Option 1 ID : 75189744487

Option 2 ID : 75189744488

Option 3 ID : 75189744485

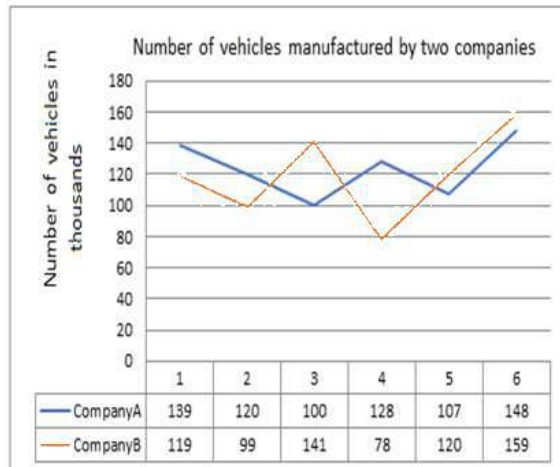
Option 4 ID : 75189744486

Status : Answered

Chosen Option : 4

Q.56 Study the given graph and answer the question that follows.

The numbers 1 to 6 represents the years from 2001 to 2006.



In which year was the difference between the production of two companies maximum?

- Ans
- ☒ 1. 2001
 - ☒ 2. 2003
 - ☒ 3. 2004
 - ☒ 4. 2002

Question ID : 75189711081

Option 1 ID : 75189744321

Option 2 ID : 75189744323

Option 3 ID : 75189744324

Option 4 ID : 75189744322

Status : Answered

Chosen Option : 3

Q.57 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.

HP : MS

DL : IO

- Ans
- ☒ 1. GE : LI
 - ☒ 2. AL : FO
 - ☒ 3. GR : KT
 - ☒ 4. HT : KY

Question ID : 7518978032

Option 1 ID : 75189732126

Option 2 ID : 75189732128

Option 3 ID : 75189732127

Option 4 ID : 75189732125

Status : Answered

Chosen Option : 2

Q.58

- Ans ☒ 1. Madurai
☒ 2. Vijayawada
☒ 3. Thiruvananthapuram
☒ 4. Wardha

Question ID : 7518979385

Option 1 ID : 75189737537

Option 2 ID : 75189737538

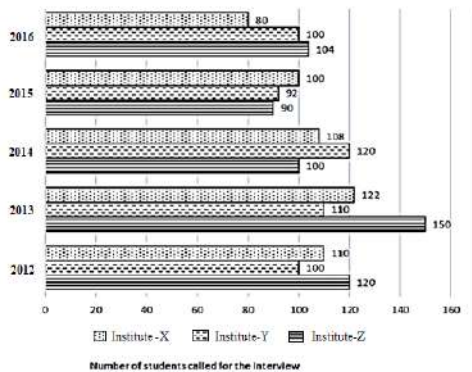
Option 3 ID : 75189737540

Option 4 ID : 75189737539

Status : Answered

Chosen Option : 4

Q.59 The bar graph given below shows the number of students who were called for a certain job interview by company A from three different institutes, X, Y and Z, over the years.



In which of the following years was the total number of students called for the interview the highest?

- Ans ☒ 1. 2014
☒ 2. 2016
☒ 3. 2013
☒ 4. 2012

Question ID : 75189710962

Option 1 ID : 75189743847

Option 2 ID : 75189743848

Option 3 ID : 75189743846

Option 4 ID : 75189743845

Status : Answered

Chosen Option : 3

Q.60

Ans  1.

converge to a point at a distance 0.5 m from the convex surface

 2.

appear to diverge from a point at a distance 1 m behind the mirror

 3.

appear to diverge from a point at a distance 0.5 m behind the mirror

 4.

converge to a point at a distance 1 m from the convex surface

Question ID : 75189711134

Option 1 ID : 75189744535

Option 2 ID : 75189744534

Option 3 ID : 75189744533

Option 4 ID : 75189744536

Status : Answered

Chosen Option : 2

Q.61 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:

Some chains are knives.

All knives are cats.

All cats are rats.

Conclusions:

(I) Some rats are chains.

(II) All rats are knives.

Ans  1. Only conclusion I follows

 2. Neither conclusion I nor II follow

 3. Both conclusions I and II follow

 4. Only conclusion II follows

Question ID : 75189710999

Option 1 ID : 75189743993

Option 2 ID : 75189743995

Option 3 ID : 75189743996

Option 4 ID : 75189743994

Status : Answered

Chosen Option : 1

Q.62

- Ans
- ☒ 1. Li
 - ☒ 2. Cs
 - ☒ 3. K
 - ☒ 4. Rb

Question ID : 7518979701

Option 1 ID : 75189738801

Option 2 ID : 75189738804

Option 3 ID : 75189738802

Option 4 ID : 75189738803

Status : Not Answered

Chosen Option : --

Q.63 What is meant by non-biodegradable?

- Ans
- ☒ 1. Substances that are not broken down by chemical processes
 - ☒ 2. Substances that are broken down by biological processes
 - ☒ 3. Substances that are not broken down by biological processes
 - ☒ 4. Substances that are broken down by biochemical reactions.

Question ID : 7518977873

Option 1 ID : 75189731490

Option 2 ID : 75189731489

Option 3 ID : 75189731491

Option 4 ID : 75189731492

Status : Answered

Chosen Option : 3

Q.64 When electrolysis of brine is done, a gas X is formed at the cathode, which gives a pop sound when a burning splinter is brought near it. The gas X is:

- Ans
- ☒ 1. Cl_2
 - ☒ 2. CO_2
 - ☒ 3. O_2
 - ☒ 4. H_2

Question ID : 7518973470

Option 1 ID : 75189713878

Option 2 ID : 75189713879

Option 3 ID : 75189713880

Option 4 ID : 75189713877

Status : Not Answered

Chosen Option : --

Q.65

- Ans ☒ 1. 85
☐ 2. 53
☐ 3. 76
☐ 4. 92

Question ID : 7518979794
Option 1 ID : 75189739173
Option 2 ID : 75189739176
Option 3 ID : 75189739175
Option 4 ID : 75189739174
Status : Answered
Chosen Option : 1

Q.66 Which of the following animals is present on the insignia of Reserve Bank of India?

- Ans ☐ 1. Elephant
☐ 2. Zebra
☒ 3. Tiger
☐ 4. Rhinoceros

Question ID : 7518979410
Option 1 ID : 75189737638
Option 2 ID : 75189737639
Option 3 ID : 75189737637
Option 4 ID : 75189737640
Status : Answered
Chosen Option : 4

Q.67 When 60 KJ heat is produced by a heater in 1 minute and 20 seconds then its power is:

- Ans ☒ 1. 750 W
☐ 2. 7.5 kW
☐ 3. 1.5 kW
☐ 4. 150 W

Question ID : 7518979571
Option 1 ID : 75189738283
Option 2 ID : 75189738281
Option 3 ID : 75189738284
Option 4 ID : 75189738282
Status : Answered
Chosen Option : 1

Q.68

- Ans ☒ 1. Goa
☒ 2. Manipur
☒ 3. Sikkim
☒ 4. Meghalaya

Question ID : 75189710434
Option 1 ID : 75189741735
Option 2 ID : 75189741733
Option 3 ID : 75189741734
Option 4 ID : 75189741736
Status : Answered
Chosen Option : 1

Q.69 In the Modern Periodic Table, Tellurium (atomic number 52) is surrounded by elements with atomic numbers:

- Ans ☒ 1. 33, 50, 53, 83
☒ 2. 34, 51, 53, 84
☒ 3. 36, 50, 53, 84
☒ 4. 35, 51, 54, 85

Question ID : 7518979699
Option 1 ID : 75189738796
Option 2 ID : 75189738794
Option 3 ID : 75189738795
Option 4 ID : 75189738793
Status : Not Answered
Chosen Option : --

Q.70 A shopkeeper sells wheat at ₹20/kg that he purchased at ₹18/kg and he gives only 900 gm of wheat instead of 1 kg while selling. The actual percentage profit of the shopkeeper is:

- Ans ☒ 1. 23.45 %
☒ 2. 24.45%
☒ 3. 20.45%
☒ 4. 22.45%

Question ID : 7518979251
Option 1 ID : 75189737003
Option 2 ID : 75189737001
Option 3 ID : 75189737004
Option 4 ID : 75189737002
Status : Answered
Chosen Option : 1

Q.71

- Ans
- ☐ 1. Surgical method
 - ☐ 2. Copper-T
 - ☐ 3. Oral pills
 - ☒ 4. Condom

Question ID : 7518974623

Option 1 ID : 75189718492

Option 2 ID : 75189718489

Option 3 ID : 75189718490

Option 4 ID : 75189718491

Status : Answered

Chosen Option : 4

Q.72 Each of six students, A, B, C, D, E and F, have their class monitor duties on six different days of a week starting from Monday and ending on Saturday of the same week, but not necessarily in the same order. A's monitor duties are on the day immediately after C. D's monitor duties are on the day immediately before E, but it is not on Monday. B's monitor duties are on Saturday. F's monitor duties are on Wednesday. Who among the following has monitor duties on Tuesday?

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

Question ID : 75189710751

Option 1 ID : 75189743001

Option 2 ID : 75189743003

Option 3 ID : 75189743002

Option 4 ID : 75189743004

Status : Answered

Chosen Option : 2

Q.73

Ans

✓ 1. $3\frac{193}{344}$

✗ 2. $3\frac{191}{344}$

✗ 3. $3\frac{197}{344}$

✗ 4. $3\frac{199}{344}$

Question ID : 7518979908

Option 1 ID : 75189739630

Option 2 ID : 75189739629

Option 3 ID : 75189739631

Option 4 ID : 75189739632

Status : Answered

Chosen Option : 1

Q.74 The river island of Majuli is a part of the vast dynamic river system of the _____ basin.

Ans

✗ 1. Godavari

✗ 2. Yamuna

✓ 3. Brahmaputra

✗ 4. Ganga

Question ID : 75189710484

Option 1 ID : 75189741936

Option 2 ID : 75189741933

Option 3 ID : 75189741934

Option 4 ID : 75189741935

Status : Answered

Chosen Option : 1

Q.75 Salivary amylase helps in the digestion of _____.

Ans

✗ 1. protein

✓ 2. starch

✗ 3. lipid

✗ 4. Cellulose

Question ID : 7518974379

Option 1 ID : 75189717513

Option 2 ID : 75189717514

Option 3 ID : 75189717515

Option 4 ID : 75189717516

Status : Answered

Chosen Option : 2

Q.76

- Ans
- ☒ 1. Coordination covalent bonds
 - ☒ 2. Covalent bonds
 - ☒ 3. Hydrogen bonds
 - ☒ 4. Ionic bonds

Question ID : 75189710318

Option 1 ID : 75189741269

Option 2 ID : 75189741271

Option 3 ID : 75189741272

Option 4 ID : 75189741270

Status : Not Answered

Chosen Option : --

Q.77 What is the sum of the measures of the exterior angles of a triangle?

- Ans
- ☒ 1. 360°
 - ☒ 2. 270°
 - ☒ 3. 180°
 - ☒ 4. 90°

Question ID : 75189710037

Option 1 ID : 75189740148

Option 2 ID : 75189740147

Option 3 ID : 75189740146

Option 4 ID : 75189740145

Status : Answered

Chosen Option : 1

Q.78 Which of the following describes the nature of the roots of the quadratic equation $3x^2 - 4x + 10 = 0$?

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

Question ID : 7518978771

Option 1 ID : 75189735081

Option 2 ID : 75189735084

Option 3 ID : 75189735082

Option 4 ID : 75189735083

Status : Answered

Chosen Option : 2

Q.79

- Ans
- ☒ 1. North
 - ☒ 2. North-east
 - ☒ 3. South-east
 - ☒ 4. North-west

Question ID : 75189711059
Option 1 ID : 75189744233
Option 2 ID : 75189744234
Option 3 ID : 75189744236
Option 4 ID : 75189744235
Status : Answered
Chosen Option : 2

Q.80 In the history of India, where did the Black Hole incident take place in the year 1756?

- Ans
- ☒ 1. Surat
 - ☒ 2. Bombay
 - ☒ 3. Calcutta
 - ☒ 4. Madras

Question ID : 7518977461
Option 1 ID : 75189729842
Option 2 ID : 75189729843
Option 3 ID : 75189729844
Option 4 ID : 75189729841
Status : Not Answered
Chosen Option : --

Q.81 Five persons are sitting around a circular table facing the centre. Aman is an immediate neighbour of both Ansu and Ajit. Akash sits second to the left of Aman. Ansh sits second to the right of Aman. Akash is an immediate neighbour of both Ansu and Ansh. Who is an immediate neighbour of both Ajit and Akash?

- Ans
- ☒ 1. Ansu
 - ☒ 2. Aman
 - ☒ 3. Ansh
 - ☒ 4. Cannot be determined

Question ID : 7518979808
Option 1 ID : 75189739230
Option 2 ID : 75189739231
Option 3 ID : 75189739229
Option 4 ID : 75189739232
Status : Answered
Chosen Option : 3

Q.82

- Ans
- ☒ 1. non-planned revenue receipt
 - ☒ 2. capital receipt
 - ☒ 3. revenue receipt
 - ☒ 4. planned revenue income

Question ID : 7518977218
Option 1 ID : 75189728872
Option 2 ID : 75189728869
Option 3 ID : 75189728870
Option 4 ID : 75189728871

Status : Answered

Chosen Option : 2

Q.83 Three statements are given, followed by four conclusions numbered I, II, III and IV. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

- 1. Some cats are pets.
- 2. All pets are snakes.
- 3. Some snakes are cats.

Conclusions:

- I. Some snakes are pets.
- II. All cats are snakes.
- III. All pets are cats.
- IV. No snake is a cat.

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

Question ID : 75189710775
Option 1 ID : 75189743097
Option 2 ID : 75189743100
Option 3 ID : 75189743099
Option 4 ID : 75189743098

Status : Answered

Chosen Option : 1

Q.84

- Ans ☒ 1. $P = I^2 R$
- ☐ 2. $P_2 = VI R^2$
- ☐ 3. $P = V^2/IR$
- ☐ 4. $P = V^2 IR$

Question ID : 7518979572

Option 1 ID : 75189738286

Option 2 ID : 75189738287

Option 3 ID : 75189738288

Option 4 ID : 75189738285

Status : Answered

Chosen Option : 1

Q.85 Evaluate 93^2 .

- Ans ☐ 1. 8549
- ☐ 2. 8449
- ☒ 3. 8649
- ☐ 4. 8349

Question ID : 7518979905

Option 1 ID : 75189739619

Option 2 ID : 75189739618

Option 3 ID : 75189739620

Option 4 ID : 75189739617

Status : Answered

Chosen Option : 3

Q.86 The average of 10, 15, 30, 100 is:

- Ans ☐ 1. 39.45
- ☒ 2. 38.75
- ☐ 3. 38.65
- ☐ 4. 39.55

Question ID : 7518979270

Option 1 ID : 75189737079

Option 2 ID : 75189737077

Option 3 ID : 75189737080

Option 4 ID : 75189737078

Status : Answered

Chosen Option : 2

Q.87

- Ans
- ☒ 1. Golgi bodies
 - ☒ 2. Lysosomes
 - ☒ 3. Vacuoles
 - ☒ 4. Mitochondria

Question ID : 7518977808
Option 1 ID : 75189731232
Option 2 ID : 75189731231
Option 3 ID : 75189731229
Option 4 ID : 75189731230

Status : Answered
Chosen Option : 2

Q.88 As notified by Government of India in July 2022, Mission Vatsalya, in partnership with states and districts, will execute a 24×7 helpline service for children, as defined under Juvenile Justice Act, _____.

- Ans
- ☒ 1. 2013
 - ☒ 2. 2017
 - ☒ 3. 2010
 - ☒ 4. 2015

Question ID : 7518976533
Option 1 ID : 75189726130
Option 2 ID : 75189726132
Option 3 ID : 75189726129
Option 4 ID : 75189726131

Status : Not Answered
Chosen Option : --

Q.89 If $2\tan \theta = 3$, then the value of $(\sec \theta + \tan \theta - 1)(\sec \theta - \tan \theta + 1) =$ _____.

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

Question ID : 75189710727
Option 1 ID : 75189742908
Option 2 ID : 75189742905
Option 3 ID : 75189742906
Option 4 ID : 75189742907

Status : Not Answered
Chosen Option : --

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

13, 16, 22, 31, 43, ?

- Ans**
- ☒ 1. 48
 - ☒ 2. 52
 - ☒ 3. 55
 - ☒ 4. 58

Question ID : **7518978294**

Option 1 ID : **75189733176**

Option 2 ID : **75189733173**

Option 3 ID : **75189733175**

Option 4 ID : **75189733174**

Status : **Answered**

Chosen Option : **4**

Q.91 Select the option that is related to the fifth number in the same way as the fourth number is related to the third number and the second number is related to the first number.

58 : 115 :: 47 : 93 :: 67 : ?

- Ans**
- ☒ 1. 113
 - ☒ 2. 133
 - ☒ 3. 138
 - ☒ 4. 124

Question ID : **7518979779**

Option 1 ID : **75189739114**

Option 2 ID : **75189739116**

Option 3 ID : **75189739115**

Option 4 ID : **75189739113**

Status : **Answered**

Chosen Option : **2**

Q.92 The strong, gusty, hot, dry winds blowing during the day over the north and northwestern India in summer are known as _____.

- Ans**
- ☒ 1. Loo
 - ☒ 2. Kaal Baishakhi
 - ☒ 3. Trade winds
 - ☒ 4. Mango winds

Question ID : **7518979426**

Option 1 ID : **75189737702**

Option 2 ID : **75189737704**

Option 3 ID : **75189737701**

Option 4 ID : **75189737703**

Status : **Not Answered**

Chosen Option : **--**

Q.93

- Ans ☒ 1. Exothermic reaction
☒ 2. Rearrangement reactions
☒ 3. Endothermic reaction
☒ 4. Sigma tropic reactions

Question ID : 75189710335

Option 1 ID : 75189741337

Option 2 ID : 75189741339

Option 3 ID : 75189741338

Option 4 ID : 75189741340

Status : Answered

Chosen Option : 1

Q.94 A certain amount of money was divided between x and y in the ratio 4 : 3. If y's share is ₹2,400, the total initial amount is _____.

- Ans ☒ 1. ₹6,000
☒ 2. ₹8,000
☒ 3. ₹5,600
☒ 4. ₹7,200

Question ID : 75189710645

Option 1 ID : 75189742577

Option 2 ID : 75189742578

Option 3 ID : 75189742579

Option 4 ID : 75189742580

Status : Answered

Chosen Option : 3

Q.95 The larger of two supplementary angles is 36° more than the smaller. The smaller angle is:

- Ans ☒ 1. 27°
☒ 2. 63°
☒ 3. 108°
☒ 4. 72°

Question ID : 7518979993

Option 1 ID : 75189739971

Option 2 ID : 75189739972

Option 3 ID : 75189739970

Option 4 ID : 75189739969

Status : Answered

Chosen Option : 4

Q.96

- Ans
- ☒ 1. Rohilkhand Plain
 - ☒ 2. Uttkal Plain
 - ☒ 3. Kannad Plain
 - ☒ 4. Barind Tract

Question ID : 7518978576
Option 1 ID : 75189734303
Option 2 ID : 75189734301
Option 3 ID : 75189734304
Option 4 ID : 75189734302
Status : Not Answered
Chosen Option : --

Q.97 If we add 1 to the numerator and subtract 1 from the denominator of a given fraction, it becomes 1. It becomes $\frac{2}{3}$ if 1 is added to the denominator of the given fraction while the numerator is left unchanged. The fraction originally given is:

- Ans
- ☒ 1. $\frac{5}{8}$
 - ☒ 2. $\frac{6}{8}$
 - ☒ 3. $\frac{1}{8}$
 - ☒ 4. $\frac{3}{8}$

Question ID : 7518979995
Option 1 ID : 75189739979
Option 2 ID : 75189739980
Option 3 ID : 75189739977
Option 4 ID : 75189739978
Status : Answered
Chosen Option : 2

Q.98 Ten Fundamental Duties have been added in Part-IV of the Constitution under _____ in the year 1976 through the 42nd Constitutional Amendment.

- Ans
- ☒ 1. Article 36
 - ☒ 2. Article 52
 - ☒ 3. Article 51A
 - ☒ 4. Article 51

Question ID : 75189710492
Option 1 ID : 75189741965
Option 2 ID : 75189741968
Option 3 ID : 75189741967
Option 4 ID : 75189741966
Status : Answered
Chosen Option : 4

Q.99 Refer to the following letter, number, symbol series and answer the question.

(Left) F \$ 3 & 4 P W 8 # T * A 2 F 5 M 2 6 \$ Y 9 K (Right)

How many such letters are there which are immediately preceded by a letter and also immediately followed by a number?

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

Question ID : **7518979166**

Option 1 ID : **75189736664**

Option 2 ID : **75189736661**

Option 3 ID : **75189736662**

Option 4 ID : **75189736663**

Status : **Answered**

Chosen Option : **2**

Q.100 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 D # V (Right)

Which of the following is the twelfth letter/symbol to the left of the eighteenth letter/symbol from the left end of the given series?

- Ans**
- ☒ 1. K
 - ☒ 2. Y
 - ☒ 3. L
 - ☒ 4. S

Question ID : **75189710855**

Option 1 ID : **75189743417**

Option 2 ID : **75189743420**

Option 3 ID : **75189743418**

Option 4 ID : **75189743419**

Status : **Answered**

Chosen Option : **4**