



रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS  
सी ई एन आर आर सी - ०१/२०१९ - CEN RRC - 01/2019



Roll Number	
Candidate Name	
Test Center Name	TCS Gito Bitan
Test Date	29/09/2022
Test Time	12:45 PM - 2:15 PM
Subject	Level 1

\* Note

Correct Answer will carry 1 mark per Question.

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

- Options shown in green color with a tick icon are correct.
- Chosen option on the right of the question indicates the option selected by the candidate.

Section : Level 1

Q.1 Find the arithmetic mean of the following data.

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

- Ans
- 1. 13
  - 2. 16
  - 3. 17
  - 4. 12

Question ID : 75189712988

Option 1 ID : 75189751950

Option 2 ID : 75189751951

Option 3 ID : 75189751952

Option 4 ID : 75189751949

Status : Answered

Chosen Option : 2

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

- Ans**
- ✓ 1. Rashmi
  - ✗ 2. Siya
  - ✗ 3. Hitesh
  - ✗ 4. Jay

Question ID : 75189714165

Option 1 ID : 75189756660

Option 2 ID : 75189756657

Option 3 ID : 75189756659

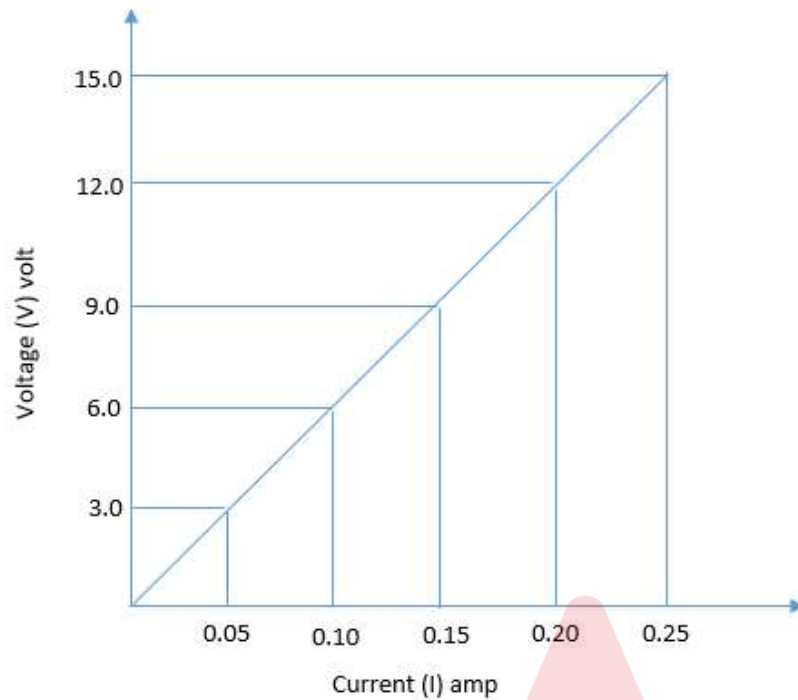
Option 4 ID : 75189756658

Status : Not Answered

Chosen Option : --



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



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

Question ID : 75189713786

Option 1 ID : 75189755144

Option 2 ID : 75189755143

Option 3 ID : 75189755142

Option 4 ID : 75189755141

Status : Answered

Chosen Option : 4

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

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

Question ID : 75189712549

Option 1 ID : 75189750195

Option 2 ID : 75189750196

Option 3 ID : 75189750193

Option 4 ID : 75189750194

Status : Answered

Chosen Option : 1

Q.5 If  $a = 28 - 5\sqrt{12}$  and  $b = 2 + \sqrt{3}$ , find the value of  $(a\sqrt{3} + b)$ .

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

Question ID : 75189712599  
Option 1 ID : 75189750394  
Option 2 ID : 75189750395  
Option 3 ID : 75189750396  
Option 4 ID : 75189750393  
Status : Answered  
Chosen Option : 4

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

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

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

Question ID : 75189713235  
Option 1 ID : 75189752939  
Option 2 ID : 75189752938  
Option 3 ID : 75189752937  
Option 4 ID : 75189752940  
Status : Answered  
Chosen Option : 3

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

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

Question ID : 75189712778  
Option 1 ID : 75189751110  
Option 2 ID : 75189751112  
Option 3 ID : 75189751111  
Option 4 ID : 75189751109  
Status : Answered  
Chosen Option : 4

Q.8 In a certain code language, 'QUILT' is written as 'RXJOU' and 'BLEAK' is written as 'COFDL'. How will 'CHAIR' be written in that language?

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

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

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

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

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

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

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

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

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

**Q.11** 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.  
 $7 : 52 :: 11 : ? :: 9 : 84$

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

Question ID : 75189714137  
Option 1 ID : 75189756548  
Option 2 ID : 75189756545  
Option 3 ID : 75189756547  
Option 4 ID : 75189756546  
Status : Answered  
Chosen Option : 2

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

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

(1, 3, 4)

(8, 24, 18)

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

Question ID : 75189713652  
Option 1 ID : 75189754605  
Option 2 ID : 75189754608  
Option 3 ID : 75189754606  
Option 4 ID : 75189754607  
Status : Answered  
Chosen Option : 2

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

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

Question ID : 7518978506  
Option 1 ID : 75189734023  
Option 2 ID : 75189734024  
Option 3 ID : 75189734022  
Option 4 ID : 75189734021  
Status : Not Answered  
Chosen Option : --

Q.14 In which of the following years was the Delhi Land Reforms Act enacted?

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

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

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

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

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

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

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

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

**Q.17** If pipe A can fill a cistern in X hours, pipe B can fill the same cistern in Y hours, and pipe C can empty the full cistern in Z hours, then find the time taken to completely fill the cistern, if Pipes A, B and C are opened together.

**Ans**

✓ 1.  $\frac{XYZ}{YZ + XZ - XY}$

✗ 2.  $\frac{XYZ}{YZ + XZ + XY}$

✗ 3.  $\frac{XYZ}{YZ - XZ - XY}$

✗ 4.  $\frac{XYZ}{YZ - XZ + XY}$

Question ID : 75189713337

Option 1 ID : 75189753345

Option 2 ID : 75189753347

Option 3 ID : 75189753346

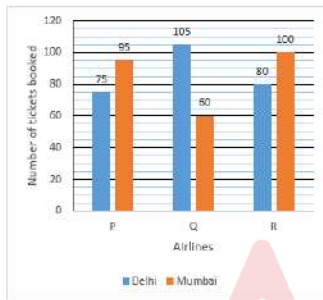
Option 4 ID : 75189753348

Status : Answered

Chosen Option : 1

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

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



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

**Ans** ✗ 1. 150%

✓ 2. 100%

✗ 3. 200%

✗ 4. 50%

Question ID : 75189713672

Option 1 ID : 75189754688

Option 2 ID : 75189754687

Option 3 ID : 75189754686

Option 4 ID : 75189754685

Status : Answered

Chosen Option : 2



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

Statements:

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

Conclusions:

I.  $N \geq O$

II.  $L > R$

III.  $M \geq Q$

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

Question ID : 75189711496

Option 1 ID : 75189745982

Option 2 ID : 75189745983

Option 3 ID : 75189745981

Option 4 ID : 75189745984

Status : Answered

Chosen Option : 4

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

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

Question ID : 75189715152

Option 1 ID : 75189760608

Option 2 ID : 75189760607

Option 3 ID : 75189760606

Option 4 ID : 75189760605

Status : Answered

Chosen Option : 3

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

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

Question ID : 75189712927

Option 1 ID : 75189751707

Option 2 ID : 75189751705

Option 3 ID : 75189751706

Option 4 ID : 75189751708

Status : Answered

Chosen Option : 4

Q.22 What is the relation between  $m$ ,  $v$ , and  $u$  for a spherical mirror?

Ans  1.  $m = v \times u$

2.  $m = \frac{v}{u}$

3.  $m = \frac{-v}{u}$

4.  $m = -v \times u$

Question ID : 7518979495

Option 1 ID : 75189737977

Option 2 ID : 75189737978

Option 3 ID : 75189737980

Option 4 ID : 75189737979

Status : Answered

Chosen Option : 3

Q.23 Each vowel in the word HOCKEY is changed to the letter following it in the English alphabetical order and each consonant is changed to the letter preceding it in the English alphabetical order. If each letter thus formed is arranged in alphabetical order, which letter will be fourth from the right?

Ans  1. F

2. G

3. P

4. J

Question ID : 7518978248

Option 1 ID : 75189732992

Option 2 ID : 75189732990

Option 3 ID : 75189732991

Option 4 ID : 75189732989

Status : Answered

Chosen Option : 2

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

Ans  1. ₹14,674

2. ₹15,366

3. ₹15,663

4. ₹15,000

Question ID : 75189712027

Option 1 ID : 75189748105

Option 2 ID : 75189748106

Option 3 ID : 75189748107

Option 4 ID : 75189748108

Status : Not Answered

Chosen Option : --

Q.25 The correct relation between the focal length of a lens and its power is:

Ans

✓ 1.  $P = \frac{1}{f}$

✗ 2.  $P = -1/f$

✗ 3.  $P \propto f$

✗ 4.  $P = f$

Question ID : 7518979520

Option 1 ID : 75189738079

Option 2 ID : 75189738080

Option 3 ID : 75189738078

Option 4 ID : 75189738077

Status : Answered

Chosen Option : 1

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

Ans ✗ 1. 11

✗ 2. 14

✓ 3. 12

✗ 4. 10

Question ID : 75189713019

Option 1 ID : 75189752073

Option 2 ID : 75189752074

Option 3 ID : 75189752076

Option 4 ID : 75189752075

Status : Answered

Chosen Option : 3

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

Ans ✗ 1.  $H = QIt$

✗ 2.  $H = VIR$

✓ 3.  $H = VIt$

✗ 4.  $H = IRt$

Question ID : 75189713824

Option 1 ID : 75189755295

Option 2 ID : 75189755296

Option 3 ID : 75189755293

Option 4 ID : 75189755294

Status : Answered

Chosen Option : 3

**Q.28** According to Newlands law of octaves, which of the following elements have same properties?

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

Question ID : 75189710384

Option 1 ID : 75189741534

Option 2 ID : 75189741536

Option 3 ID : 75189741533

Option 4 ID : 75189741535

Status : Not Answered

Chosen Option : --

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

- Ans**
- 1. 17
  - 2. 24
  - 3. 20
  - 4. 16

Question ID : 7518979787

Option 1 ID : 75189739145

Option 2 ID : 75189739146

Option 3 ID : 75189739148

Option 4 ID : 75189739147

Status : Answered

Chosen Option : 3

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

Statements:

All plums are guavas.

Some plums are mangoes.

No plum is a kiwi.

Conclusions:

I. Some guavas are kiwis.

II. Some mangoes are kiwis.

**Ans** ✓ 1. Neither conclusion I nor II follows

✗ 2. Only conclusion II follows

✗ 3. Both conclusions I and II follow

✗ 4. Only conclusion I follows

Question ID : 75189713496

Option 1 ID : 75189753983

Option 2 ID : 75189753982

Option 3 ID : 75189753984

Option 4 ID : 75189753981

Status : Answered

Chosen Option : 1

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

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

**Ans** ✗ 1. + and  $\div$

✗ 2.  $\times$  and  $\div$

✗ 3.  $\times$  and +

✓ 4. + and -

Question ID : 75189714568

Option 1 ID : 75189758272

Option 2 ID : 75189758271

Option 3 ID : 75189758269

Option 4 ID : 75189758270

Status : Answered

Chosen Option : 4

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

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

Question ID : 75189714496  
Option 1 ID : 75189757984  
Option 2 ID : 75189757982  
Option 3 ID : 75189757981  
Option 4 ID : 75189757983  
Status : Answered  
Chosen Option : 1

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

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

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

Question ID : 75189712665  
Option 1 ID : 75189750657  
Option 2 ID : 75189750659  
Option 3 ID : 75189750658  
Option 4 ID : 75189750660  
Status : Answered  
Chosen Option : 2

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

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

Question ID : 75189712438  
Option 1 ID : 75189749750  
Option 2 ID : 75189749749  
Option 3 ID : 75189749752  
Option 4 ID : 75189749751  
Status : Answered  
Chosen Option : 1

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

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

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

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

Question ID : **7518977660**  
 Option 1 ID : **75189730638**  
 Option 2 ID : **75189730637**  
 Option 3 ID : **75189730640**  
 Option 4 ID : **75189730639**  
 Status : **Answered**  
 Chosen Option : **3**

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

- Ans**
- 1. 10 A, 275 W
  - 2. 5 A, 550 W
  - 3. 10 A, 550W
  - 4. 2.5 A, 275 W

Question ID : **75189714108**  
 Option 1 ID : **75189756432**  
 Option 2 ID : **75189756429**  
 Option 3 ID : **75189756430**  
 Option 4 ID : **75189756431**  
 Status : **Answered**  
 Chosen Option : **3**

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

- Ans**
- 1. 4 km towards the north
  - 2. 8 km towards the south
  - 3. 6 km towards the east
  - 4. 4 km towards the south

Question ID : **75189714489**  
 Option 1 ID : **75189757953**  
 Option 2 ID : **75189757956**  
 Option 3 ID : **75189757955**  
 Option 4 ID : **75189757954**  
 Status : **Answered**  
 Chosen Option : **1**

Q.38 If p and q are co-primes, then  $p^7$  and  $q^9$  are:

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

Question ID : 75189712922  
Option 1 ID : 75189751686  
Option 2 ID : 75189751688  
Option 3 ID : 75189751685  
Option 4 ID : 75189751687  
Status : Answered  
Chosen Option : 3

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

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

Question ID : 75189712258  
Option 1 ID : 75189749029  
Option 2 ID : 75189749030  
Option 3 ID : 75189749031  
Option 4 ID : 75189749032  
Status : Answered  
Chosen Option : 1

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

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

Question ID : 75189712847  
Option 1 ID : 75189751386  
Option 2 ID : 75189751387  
Option 3 ID : 75189751388  
Option 4 ID : 75189751385  
Status : Answered  
Chosen Option : 2



Q.41 If  $x \neq y$ , and  $x^2y - xy^2 : yz(x - y) :: xa^2 - xb^2 : w$ , then which of the options below gives an expression equivalent to  $w$ ?

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

Question ID : 75189713299  
Option 1 ID : 75189753195  
Option 2 ID : 75189753196  
Option 3 ID : 75189753193  
Option 4 ID : 75189753194  
Status : Answered  
Chosen Option : 1

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

- Ans
- ✗ 1. 275
  - ✗ 2. 325
  - ✗ 3. 300
  - ✓ 4. 250

Question ID : 75189712521  
Option 1 ID : 75189750083  
Option 2 ID : 75189750081  
Option 3 ID : 75189750082  
Option 4 ID : 75189750084  
Status : Not Answered  
Chosen Option : --

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

- Ans
- ✗ 1. 1
  - ✓ 2. 2
  - ✗ 3. 1.5
  - ✗ 4. 2.5

Question ID : 75189711110  
Option 1 ID : 75189744437  
Option 2 ID : 75189744439  
Option 3 ID : 75189744438  
Option 4 ID : 75189744440  
Status : Answered  
Chosen Option : 2

Q.44 If the volume of a sphere is  $4851 \text{ cm}^3$ , then find the radius of the sphere. [Use  $\pi = \frac{22}{7}$ ]

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

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

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

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

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

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

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

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

Q.47 What does a self-sustaining ecosystem mean?

Ans ✓ 1.

The organic matter remains almost constant generation over generation.

✗ 2.

No organisms are added or removed from the biotic component.

✗ 3. It is not dependent on radiant energy for its maintenance.

✗ 4.

The organisms are well adapted to the local biotic components.

Question ID : 75189712307

Option 1 ID : 75189749228

Option 2 ID : 75189749226

Option 3 ID : 75189749225

Option 4 ID : 75189749227

Status : Answered

Chosen Option : 4

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



Ans ✗ 1. Through excretory vacuoles

✓ 2. By simple diffusion

✗ 3. By secretion

✗ 4. By depositing crystals in vacuoles

Question ID : 75189712276

Option 1 ID : 75189749103

Option 2 ID : 75189749102

Option 3 ID : 75189749101

Option 4 ID : 75189749104

Status : Answered

Chosen Option : 1

Q.49 Which of the following statements is INCORRECT Mendel's pea plant experiments?

Ans  1.

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

2.

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

3.

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

4.

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

Question ID : 75189712578

Option 1 ID : 75189750310

Option 2 ID : 75189750309

Option 3 ID : 75189750312

Option 4 ID : 75189750311

Status : Not Answered

Chosen Option : --

Q.50 Simplify the given expression.

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

Ans  1.  $24 + 25x - 6x^2 - x^3$

2.  $24 - 25x - 6x^2 - x^3$

3.  $24 - 25x + 6x^2 - x^3$

4.  $24 - 25x - 6x^2 + x^3$

Question ID : 75189712995

Option 1 ID : 75189751980

Option 2 ID : 75189751977

Option 3 ID : 75189751979

Option 4 ID : 75189751978

Status : Answered

Chosen Option : 2

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

Ans  1.  $C_3H_8$

2.  $C_3H_4$

3.  $C_5H_{12}$

4.  $C_3H_6$

Question ID : 75189713957

Option 1 ID : 75189755825

Option 2 ID : 75189755827

Option 3 ID : 75189755828

Option 4 ID : 75189755826

Status : Marked For Review

Chosen Option : 3

Q.52 The force acting on a current carrying conductor placed in a magnetic field is \_\_\_\_\_.

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

Question ID : 75189713869  
Option 1 ID : 75189755473  
Option 2 ID : 75189755476  
Option 3 ID : 75189755474  
Option 4 ID : 75189755475  
Status : Marked For Review  
Chosen Option : 2

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

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

Question ID : 75189714875  
Option 1 ID : 75189759497  
Option 2 ID : 75189759498  
Option 3 ID : 75189759499  
Option 4 ID : 75189759500  
Status : Answered  
Chosen Option : 4

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

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

Question ID : 75189712838  
Option 1 ID : 75189751351  
Option 2 ID : 75189751352  
Option 3 ID : 75189751349  
Option 4 ID : 75189751350  
Status : Answered  
Chosen Option : 4

**Q.55** In this question, the statement is followed by four conclusions. Find out which conclusion is NOT true based on the given statement.

Statement :  $I > Q > P \geq S = U < M < Z$

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

Question ID : 75189714206

Option 1 ID : 75189756824

Option 2 ID : 75189756821

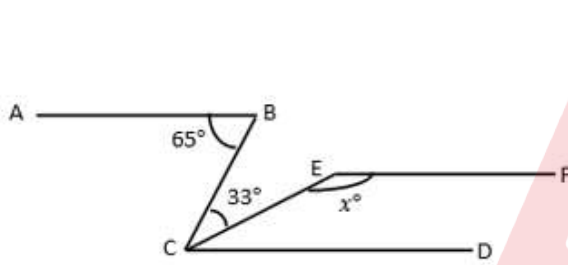
Option 3 ID : 75189756822

Option 4 ID : 75189756823

Status : Answered

Chosen Option : 4

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



- Ans**
- 1.  $147^\circ$
  - 2.  $126^\circ$
  - 3.  $115^\circ$
  - 4.  $148^\circ$

Question ID : 75189712874

Option 1 ID : 75189751493

Option 2 ID : 75189751496

Option 3 ID : 75189751495

Option 4 ID : 75189751494

Status : Answered

Chosen Option : 4

Q.57

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

Ans

1.  $\frac{4a}{b^2}$

2.  $\frac{a}{b^{\frac{1}{2}}}$

3.  $\frac{4a}{b^{\frac{1}{2}}}$

4.  $\frac{1}{(ab)^{\frac{1}{2}}}$

Question ID : 75189713447

Option 1 ID : 75189753788

Option 2 ID : 75189753786

Option 3 ID : 75189753787

Option 4 ID : 75189753785

Status : Answered

Chosen Option : 3

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

Ans  1. Distribution of land and water 2. Surface area of the country 3. Latitude 4. Altitude

Question ID : 75189712400

Option 1 ID : 75189749598

Option 2 ID : 75189749600

Option 3 ID : 75189749597

Option 4 ID : 75189749599

Status : Answered

Chosen Option : 2

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

Ans  1. 12% 2. 17% 3. 2% 4. 20%

Question ID : 75189713286

Option 1 ID : 75189753141

Option 2 ID : 75189753144

Option 3 ID : 75189753143

Option 4 ID : 75189753142

Status : Answered

Chosen Option : 4

**Q.60** Deeksha travels in her car from City A to City B at a speed of 120 km/h, and while coming back by the same route from City B to City A, she travels at a speed of 130 km/h. Find Deeksha's average speed during the whole journey

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

Question ID : 75189713342  
Option 1 ID : 75189753365  
Option 2 ID : 75189753366  
Option 3 ID : 75189753368  
Option 4 ID : 75189753367  
Status : Answered  
Chosen Option : 3

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

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

Question ID : 7518978279  
Option 1 ID : 75189733116  
Option 2 ID : 75189733114  
Option 3 ID : 75189733115  
Option 4 ID : 75189733113  
Status : Answered  
Chosen Option : 1

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

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

- Ans**
- 1.  $2145 \text{ cm}^2$
  - 2.  $2231 \text{ cm}^2$
  - 3.  $2079 \text{ cm}^2$
  - 4.  $2352 \text{ cm}^2$

Question ID : 75189712866  
Option 1 ID : 75189751462  
Option 2 ID : 75189751463  
Option 3 ID : 75189751461  
Option 4 ID : 75189751464  
Status : Not Attempted and Marked For Review  
Chosen Option : --



Q.63 Which of the following numbers will replace the question mark (?) in the given series?

1.1 ? 3.3 4.4 5.5

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

Question ID : 75189712704  
Option 1 ID : 75189750813  
Option 2 ID : 75189750815  
Option 3 ID : 75189750816  
Option 4 ID : 75189750814  
Status : Answered  
Chosen Option : 3

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

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

Question ID : 7518978842  
Option 1 ID : 75189735368  
Option 2 ID : 75189735365  
Option 3 ID : 75189735367  
Option 4 ID : 75189735366  
Status : Not Answered  
Chosen Option : --

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

- Ans
- 1.  $90^\circ$
  - 2.  $60^\circ$
  - 3.  $30^\circ$
  - 4.  $45^\circ$

Question ID : 75189712884  
Option 1 ID : 75189751533  
Option 2 ID : 75189751534  
Option 3 ID : 75189751536  
Option 4 ID : 75189751535  
Status : Answered  
Chosen Option : 4

**Q.66** As on April 2022, under the RBI guidelines, the financial assets of Non Banking Financial Companies (NBFCs) should be more than \_\_\_\_\_ of the total assets (netted off by intangible assets).

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

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

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

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

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

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

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

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

Q.69 Which of the following sites is NOT suitable for building a water-harvesting pit?

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

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

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

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

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

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

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

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

Q.72 In which year was the Mahatma Gandhi National Rural Employment Guarantee Act passed by the Government of India?

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

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

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

- Ans
- 1.  $45^\circ$
  - 2.  $15^\circ$
  - 3.  $60^\circ$
  - 4.  $30^\circ$

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

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

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

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

Q.75 If  $a\%$  is the first discount and  $b\%$  is the second discount on the marked price of an article, then an equivalent single discount percentage is given by:

Ans

✓ 1.  $a + b - \frac{ab}{100}$

✗ 2.  $a + b + \frac{ab}{100}$

✗ 3.  $a + b - \frac{a - b}{100}$

✗ 4.  $a + b - \frac{a + b}{100}$

Question ID : 75189713319

Option 1 ID : 75189753274

Option 2 ID : 75189753273

Option 3 ID : 75189753276

Option 4 ID : 75189753275

Status : Answered

Chosen Option : 1

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

Ans ✗ 1. 3600

✓ 2. 2200

✗ 3. 2800

✗ 4. 6800

Question ID : 75189713576

Option 1 ID : 75189754304

Option 2 ID : 75189754302

Option 3 ID : 75189754301

Option 4 ID : 75189754303

Status : Answered

Chosen Option : 2

Q.77 Double displacement reaction occurs between:

Ans ✗ 1. covalent compounds

✓ 2. ionic compounds

✗ 3. both ionic and covalent compounds

✗ 4. neither ionic nor covalent compounds

Question ID : 75189714769

Option 1 ID : 75189759074

Option 2 ID : 75189759073

Option 3 ID : 75189759075

Option 4 ID : 75189759076

Status : Answered

Chosen Option : 2

**Q.78** Who can direct to transfer any civil or criminal case from one State High Court to another State High Court or from a Court subordinate to another State High Court in India?

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

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

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

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

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

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

Statement –

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

Conclusion –

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

**Ans**

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

Question ID : 75189713174

Option 1 ID : 75189752693

Option 2 ID : 75189752696

Option 3 ID : 75189752694

Option 4 ID : 75189752695

Status : Answered

Chosen Option : 1

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

**Ans**

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

Question ID : 75189710368

Option 1 ID : 75189741470

Option 2 ID : 75189741469

Option 3 ID : 75189741471

Option 4 ID : 75189741472

Status : Answered

Chosen Option : 4

**Q.82** Select the option that represents the letters that, when placed from left to right in the same sequence in the blanks below, will complete the letter series.

Z A \_ \_ X C \_ \_ C D \_ A Y B X \_ A B C \_ Z \_ Y B \_ C A \_ \_ D

- Ans
- 1. Y B A A Z B D A Y B C
  - 2. Y B D B A C D B X B C
  - 3. Y B A C B C D A X A C
  - 4. Y B A B Z C D A X B C

Question ID : 75189713094

Option 1 ID : 75189752374

Option 2 ID : 75189752376

Option 3 ID : 75189752373

Option 4 ID : 75189752375

Status : Answered

Chosen Option : 4

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

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

Question ID : 75189712542

Option 1 ID : 75189750168

Option 2 ID : 75189750165

Option 3 ID : 75189750167

Option 4 ID : 75189750166

Status : Not Answered

Chosen Option : --

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

- Ans
- 1.  $75^\circ$
  - 2.  $65^\circ$
  - 3.  $72^\circ$
  - 4.  $62^\circ$

Question ID : 75189712655

Option 1 ID : 75189750620

Option 2 ID : 75189750618

Option 3 ID : 75189750619

Option 4 ID : 75189750617

Status : Not Answered

Chosen Option : --



Q.85 Which of the following compounds has 7 covalent bonds?

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

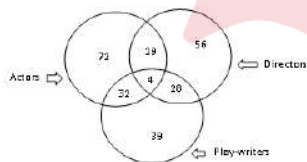
Question ID : 75189714750  
 Option 1 ID : 75189758998  
 Option 2 ID : 75189759000  
 Option 3 ID : 75189758999  
 Option 4 ID : 75189758997  
 Status : Not Answered  
 Chosen Option : --

Q.86 What is the rumen?

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

Question ID : 75189710082  
 Option 1 ID : 75189740327  
 Option 2 ID : 75189740328  
 Option 3 ID : 75189740326  
 Option 4 ID : 75189740325  
 Status : Not Answered  
 Chosen Option : --

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



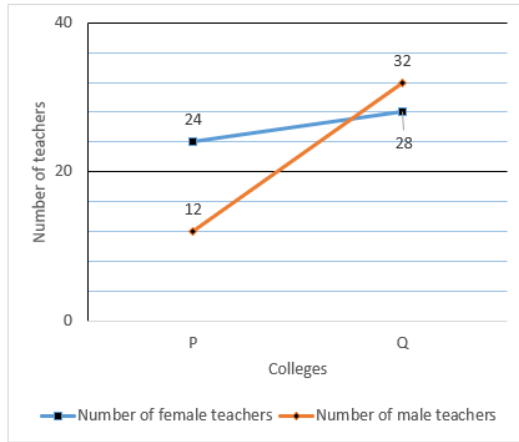
How many such actors are there who are also directors but NOT play-writers?

- Ans  1. 19  
 2. 23  
 3. 4  
 4. 32

Question ID : 75189713042  
 Option 1 ID : 75189752165  
 Option 2 ID : 75189752168  
 Option 3 ID : 75189752166  
 Option 4 ID : 75189752167  
 Status : Answered  
 Chosen Option : 1

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

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



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

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

Question ID : 75189712721  
 Option 1 ID : 75189750882  
 Option 2 ID : 75189750884  
 Option 3 ID : 75189750883  
 Option 4 ID : 75189750881

Status : Answered

Chosen Option : 4

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

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

Question ID : 75189713479  
 Option 1 ID : 75189753914  
 Option 2 ID : 75189753915  
 Option 3 ID : 75189753913  
 Option 4 ID : 75189753916

Status : Answered

Chosen Option : 3

Q.90 Which of the following converts acidic food into alkaline in the alimentary canal?

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

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

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

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

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

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

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

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

**Q.93** XS 18 is related to SN 22 in a certain way. In the same way, KN 28 is related to FI 32. To which of the following is PH 44 related following the same logic?

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

Question ID : 7518979865  
Option 1 ID : 75189739457  
Option 2 ID : 75189739459  
Option 3 ID : 75189739458  
Option 4 ID : 75189739460  
Status : Answered  
Chosen Option : 3

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

**Statements:**

All apples are papayas  
Some papayas are berries  
Some berries are cherries

**Conclusions:**

(I) Some berries are papayas  
(II) All papayas are apples  
(III) Some cherries are berries

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

Question ID : 75189714524  
Option 1 ID : 75189758096  
Option 2 ID : 75189758094  
Option 3 ID : 75189758095  
Option 4 ID : 75189758093  
Status : Answered  
Chosen Option : 3

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

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

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

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

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

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

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

**Q.97** The ages of two persons differ by 14 years. If 4 years ago, the elder one was three times as old as the younger one, then the present age of younger one is:

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

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

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

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

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

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

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

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

Q.100 Which of the following numbers will replace the question mark (?) in the given series?

5, 24, 61, 122, 213, ?

- Ans  1. 340  
 2. 350  
 3. 320  
 4. 334

Question ID : 75189713124

Option 1 ID : 75189752495

Option 2 ID : 75189752496

Option 3 ID : 75189752493

Option 4 ID : 75189752494

Status : Answered

Chosen Option : 1

