



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



Roll Number	
Candidate Name	
Test Center Name	iON Digital Zone iDZ 2 Hathipur
Test Date	26/09/2022
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.

- 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** In a class test, a certain number of students got different ranks based on their marks. Anshu is ranked 19<sup>th</sup> from the top. 6 students are ranked after Anshu. How many total students gave the test?

- Ans**
- 1. 37
  - 2. 31
  - 3. 26
  - 4. 25

Question ID : 75189714173

Option 1 ID : 75189756690

Option 2 ID : 75189756692

Option 3 ID : 75189756691

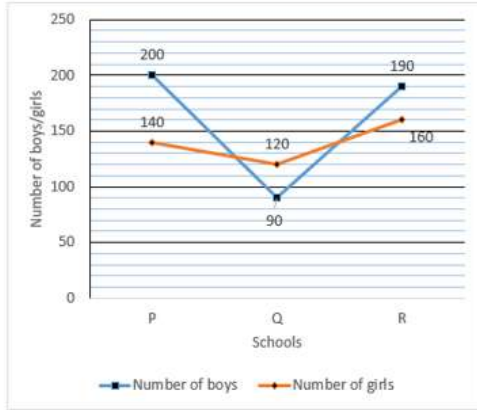
Option 4 ID : 75189756689

Status : Answered

Chosen Option : 4

Q.2 Study the given line graph and answer the following question.

The given line graph depicts the number of boys and girls in three schools (P, Q and R).



What is the average number of boys in the given three schools?

- Ans
- ✓ 1. 160
  - ✗ 2. 170
  - ✗ 3. 140
  - ✗ 4. 150

Question ID : 75189712720

Option 1 ID : 75189750878

Option 2 ID : 75189750877

Option 3 ID : 75189750880

Option 4 ID : 75189750879

Status : Answered

Chosen Option : 1

Q.3 Simplify  $(3x + 4)^2 + (3x - 4)^2 + (3x + 4)(3x - 4)$ .

- Ans
- ✗ 1.  $27x^2 - 24x + 16$
  - ✓ 2.  $27x^2 + 16$
  - ✗ 3.  $27x^2 + 48x + 32$
  - ✗ 4.  $27x^2 - 16$

Question ID : 75189712062

Option 1 ID : 75189748246

Option 2 ID : 75189748247

Option 3 ID : 75189748245

Option 4 ID : 75189748248

Status : Answered

Chosen Option : 2

Q.4 Double displacement reaction takes place with:

- i) Precipitates are formed.
- ii) Evolution of a gas
- iii) Change in colour.

- Ans
- 1. Only iii
  - 2. i, ii and iii
  - 3. Only i and ii
  - 4. Only iii and i

Question ID : 75189714768

Option 1 ID : 75189759070

Option 2 ID : 75189759072

Option 3 ID : 75189759069

Option 4 ID : 75189759071

Status : Answered

Chosen Option : 4

Q.5 The element 'x' in the modern periodic table has an electronic configuration 2, 8, 8. The element 'x' is placed in the

\_\_\_\_\_.

- Ans
- 1. 10<sup>th</sup> group
  - 2. 6<sup>th</sup> group
  - 3. 18<sup>th</sup> group
  - 4. 8<sup>th</sup> group

Question ID : 75189712810

Option 1 ID : 75189751238

Option 2 ID : 75189751239

Option 3 ID : 75189751237

Option 4 ID : 75189751240

Status : Answered

Chosen Option : 3

Q.6 In 1938, Congress President Subhash Chandra Bose set up a National Planning Committee. Who was its Chairman?

- Ans
- ✓ 1. Jawaharlal Nehru
  - ✗ 2. Lal Bahadur Shastri
  - ✗ 3. Maulana Abul Kalam Azad
  - ✗ 4. Sardar Vallabhbhai Patel

Question ID : 75189712390

Option 1 ID : 75189749557

Option 2 ID : 75189749560

Option 3 ID : 75189749559

Option 4 ID : 75189749558

Status : Answered

Chosen Option : 1

Q.7 Find the median of the given frequency distribution.

Class Interval	0-10	10-20	20-30	30-40	40-50
$f$	8	7	9	12	11

- Ans
- ✗ 1.  $\frac{215}{9}$
  - ✗ 2.  $\frac{85}{3}$
  - ✓ 3.  $\frac{265}{9}$
  - ✗ 4.  $\frac{88}{3}$

Question ID : 75189713445

Option 1 ID : 75189753777

Option 2 ID : 75189753779

Option 3 ID : 75189753778

Option 4 ID : 75189753780

Status : Answered

Chosen Option : 3

**Q.8** Study the given letter series and answer the question that follows.

(Left) H A D W V Q T S P E R S T K E L M T (Right)

How many such vowels are there each of which is immediately preceded by a consonant and also immediately followed by a consonant?

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

Question ID : 75189711032

Option 1 ID : 75189744127

Option 2 ID : 75189744126

Option 3 ID : 75189744125

Option 4 ID : 75189744128

Status : Answered

Chosen Option : 2

**Q.9** As per Reserve Bank of India (Regulatory Framework for Microfinance Loans) Directions, 2022, a microfinance loan is defined as a collateral-free loan given to a household having annual household income up to \_\_\_\_\_. For this purpose, the household shall mean an individual family unit, i.e., husband, wife, and their unmarried children.

- Ans**
- 1. ₹1,25,000
  - 2. ₹2,00,000
  - 3. ₹5,00,000
  - 4. ₹3,00,000

Question ID : 75189712384

Option 1 ID : 75189749533

Option 2 ID : 75189749534

Option 3 ID : 75189749536

Option 4 ID : 75189749535

Status : Not Answered

Chosen Option : --

Q.10

In February 2022, which of the following became the 1<sup>st</sup> state in the country to launch night navigation mobile app in rivers?

Ans

✗ 1. Jharkhand

✓ 2. Assam

✗ 3. Himachal Pradesh

✗ 4. Haryana

Question ID : 7518973771

Option 1 ID : 75189715083

Option 2 ID : 75189715084

Option 3 ID : 75189715082

Option 4 ID : 75189715081

Status : Not Answered

Chosen Option : --

Q.11 A can complete a piece of work alone in 10 days and B can complete the same piece of work alone in 15 days. Working

together, A, B and C can complete this work in  $4\frac{1}{2}$  days. If B does not work, while A and C work on alternate days, starting with C, then in how many days will the work be completed?

Ans

✓ 1.  $13\frac{1}{9}$

✗ 2.  $13\frac{1}{5}$

✗ 3. 13

✗ 4.  $12\frac{2}{3}$

Question ID : 75189712633

Option 1 ID : 75189750529

Option 2 ID : 75189750531

Option 3 ID : 75189750530

Option 4 ID : 75189750532

Status : Not Attempted and  
Marked For Review

Chosen Option : --

**Q.12** In a certain code language, 'SOLVE' is coded as 'QRJYC' and 'FENCE' is coded as 'DHLFC'. How will 'TASTE' be coded in that language?

- Ans**
- 1. VDUWG
  - 2. RXQQC
  - 3. RDQWC
  - 4. VXUQG

Question ID : 75189714238  
Option 1 ID : 75189756951  
Option 2 ID : 75189756950  
Option 3 ID : 75189756952  
Option 4 ID : 75189756949  
Status : Answered  
Chosen Option : 3

**Q.13** The selling price of a sewing machine is ₹19,440. If it was sold at 8% profit, find its cost price.

- Ans**
- 1. ₹20,559.20
  - 2. ₹16,000.00
  - 3. ₹18,000.00
  - 4. ₹17,595.20

Question ID : 75189712032  
Option 1 ID : 75189748128  
Option 2 ID : 75189748126  
Option 3 ID : 75189748125  
Option 4 ID : 75189748127  
Status : Answered  
Chosen Option : 3

**Q.14** 'The official language of the Union shall be Hindi in Devanagari script' is prescribed in which Article of the Indian Constitution?

- Ans**
- 1. Article 342
  - 2. Article 344
  - 3. Article 345
  - 4. Article 343

Question ID : 75189712368  
Option 1 ID : 75189749469  
Option 2 ID : 75189749471  
Option 3 ID : 75189749472  
Option 4 ID : 75189749470  
Status : Answered  
Chosen Option : 4

Q.15 The value of resistance gets doubled if its length is \_\_\_\_\_ (keeping other parameters constant).

- Ans
- 1. unaltered
  - 2. squared
  - 3. doubled
  - 4. halved

Question ID : 75189713793  
 Option 1 ID : 75189755172  
 Option 2 ID : 75189755171  
 Option 3 ID : 75189755169  
 Option 4 ID : 75189755170  
 Status : Answered  
 Chosen Option : 3

Q.16 Which of the following options is NOT a function of Gram Panchayats?

- Ans
- 1. Development of village facilities
  - 2. Management of local public resources
  - 3. Collection of local taxes
  - 4. Scrutinises and approves budgets of the Block Samities

Question ID : 75189714025  
 Option 1 ID : 75189756098  
 Option 2 ID : 75189756097  
 Option 3 ID : 75189756099  
 Option 4 ID : 75189756100  
 Status : Answered  
 Chosen Option : 3

Q.17 In the following table, where would a broken plastic bucket be placed?

	Safely combustible	Not safely combustible
Recyclable	A	B
Non-recyclable	C	D

- Ans
- 1. Cell A or B
  - 2. Cell B or D
  - 3. Cell C or D
  - 4. Cell A or C

Question ID : 75189712318  
 Option 1 ID : 75189749270  
 Option 2 ID : 75189749271  
 Option 3 ID : 75189749272  
 Option 4 ID : 75189749269  
 Status : Answered  
 Chosen Option : 2



**Q.18** Vaishnavi starts walking towards the south. She walks 10 m, turns right and walks 5 m. She then turns right and walks for 3 m. Next, she again turns right and walks 10 m. Again, she takes a right and walks 8 m. Finally, she again turns right and walks 6 m. In which direction is she facing now? (All turns are 90 degree turns only)

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

Question ID : 75189714257  
Option 1 ID : 75189757025  
Option 2 ID : 75189757026  
Option 3 ID : 75189757028  
Option 4 ID : 75189757027  
Status : Answered  
Chosen Option : 2

**Q.19** In Economics, 'multiplier' is defined as the ratio of increase in income to increase in \_\_\_\_\_.

- Ans**
- 1. liability
  - 2. debt
  - 3. credit
  - 4. investment

Question ID : 7518978543  
Option 1 ID : 75189734172  
Option 2 ID : 75189734169  
Option 3 ID : 75189734171  
Option 4 ID : 75189734170  
Status : Not Answered  
Chosen Option : --

**Q.20** A solid right cylinder having a base of diameter 10 cm and height 2 cm is melted and recast into right cylindrical coins with a base diameter of 1 cm and a 0.2 cm thickness. Find the number of coins that can be made.

- Ans**
- 1. 1000
  - 2. 1001
  - 3. 10,000
  - 4. 100

Question ID : 75189713402  
Option 1 ID : 75189753605  
Option 2 ID : 75189753608  
Option 3 ID : 75189753607  
Option 4 ID : 75189753606  
Status : Answered  
Chosen Option : 1

**Q.21** Which of the following transports products of photosynthesis from the leaves to the other parts of the plant?

- Ans**
- ✓ 1. Phloem
  - ✗ 2. Collenchyma
  - ✗ 3. Xylem
  - ✗ 4. Sclerenchyma

Question ID : **75189710165**  
 Option 1 ID : **75189740658**  
 Option 2 ID : **75189740660**  
 Option 3 ID : **75189740657**  
 Option 4 ID : **75189740659**  
 Status : **Answered**  
 Chosen Option : **1**

**Q.22** 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 conditions is your answer.

Number/ Symbol	6	8	4	+	5	#	%	2	\$	1	^	7	9	*	@
Code	S	U	T	W	N	P	V	D	A	Z	J	M	O	M	Y

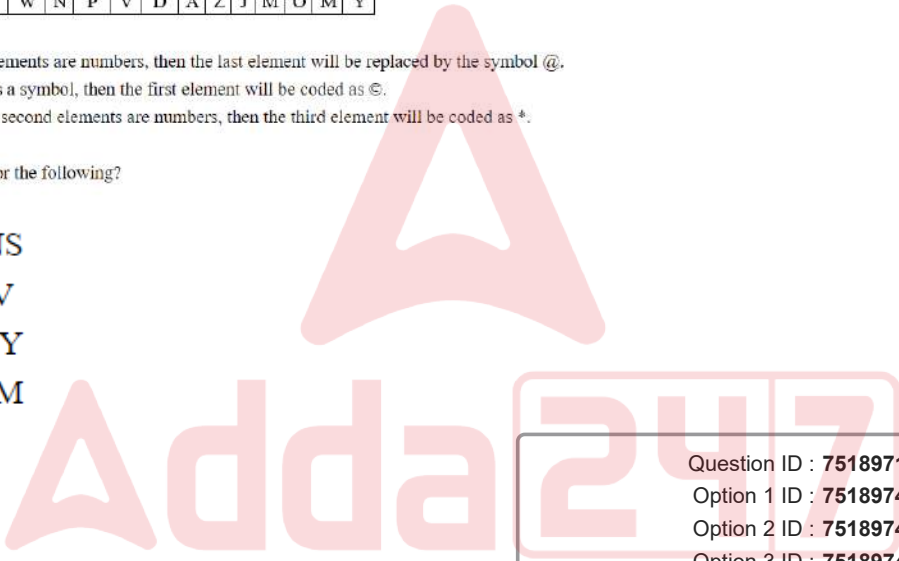
**Conditions:**

- (i) If the first and last elements are numbers, then the last element will be replaced by the symbol @.
- (ii) If the first element is a symbol, then the first element will be coded as ©.
- (iii) If both the first and second elements are numbers, then the third element will be coded as \*.

What will be the code for the following?

5 6 \* @ %

- Ans**
- ✗ 1. YVMNS
  - ✓ 2. NS\*YV
  - ✗ 3. NSMVY
  - ✗ 4. VYSNM



Question ID : **75189711574**  
 Option 1 ID : **75189746294**  
 Option 2 ID : **75189746293**  
 Option 3 ID : **75189746295**  
 Option 4 ID : **75189746296**  
 Status : **Not Attempted and Marked For Review**  
 Chosen Option : **--**

**Q.23** Select the correct property/properties from among the following, with respect to the reflection of light by a concave mirror.

- (a) Light does not obey the laws of reflection as the concave surface is a curved surface.  
(b) A light ray directed on to the pole of a concave mirror retraces the path of incidence in the opposite direction.

- Ans**
- 1. Both (a) and (b) are correct
  - 2. Only (b) is correct
  - 3. Both (a) and (b) are incorrect
  - 4. Only (a) is correct

Question ID : 75189714502  
Option 1 ID : 75189758007  
Option 2 ID : 75189758006  
Option 3 ID : 75189758008  
Option 4 ID : 75189758005  
Status : Answered  
Chosen Option : 3

**Q.24** If light enters from air to some medium A having a refractive index of 1.33, then what is the speed of light in the medium A?

- Ans**
- 1.  $2.67 \times 10^8 \frac{\text{m}}{\text{s}}$
  - 2.  $1.67 \times 10^8 \frac{\text{m}}{\text{s}}$
  - 3.  $2.26 \times 10^8 \frac{\text{m}}{\text{s}}$
  - 4.  $1.97 \times 10^8 \frac{\text{m}}{\text{s}}$

Question ID : 75189711274  
Option 1 ID : 75189745093  
Option 2 ID : 75189745094  
Option 3 ID : 75189745095  
Option 4 ID : 75189745096  
Status : Answered  
Chosen Option : 1

**Q.25** Which of the following elements is NOT present as a diatomic molecule in nature?

- Ans**
- 1. Helium
  - 2. Nitrogen
  - 3. Hydrogen
  - 4. Chlorine

Question ID : 7518979590  
Option 1 ID : 75189738359  
Option 2 ID : 75189738360  
Option 3 ID : 75189738358  
Option 4 ID : 75189738357  
Status : Answered  
Chosen Option : 1

Q.26 Which of the following solutions will turn pH paper blue?

- Ans
- 1. Lemon juice
  - 2. Gastric juice
  - 3. Sodium hydroxide
  - 4. Hydrochloric acid

Question ID : 75189712793

Option 1 ID : 75189751172

Option 2 ID : 75189751169

Option 3 ID : 75189751171

Option 4 ID : 75189751170

Status : Answered

Chosen Option : 3

Q.27 Three statements are given followed by two conclusions numbered I and II. You have to take the statements to be true, even if they seem to be at variance with commonly known facts and decide which of the conclusions logically follow(s) from the statements.

**Statements:**

- Some Rings are Ears.
- Some Rings are Fingers.
- All Ears are Noses.

**Conclusions:**

- (I) All Rings are Noses.
- (II) Some Fingers are Ears.

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

Question ID : 75189714623

Option 1 ID : 75189758491

Option 2 ID : 75189758490

Option 3 ID : 75189758489

Option 4 ID : 75189758492

Status : Answered

Chosen Option : 2

**Q.28** If '-' means '×', '×' means '+', '+' means '+', '+' means '-', what will come in place of the question mark (?) in the following equation?

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

- Ans**
- 1. 35
  - 2. 21
  - 3. 22
  - 4. 32

Question ID : 75189714141  
Option 1 ID : 75189756564  
Option 2 ID : 75189756561  
Option 3 ID : 75189756562  
Option 4 ID : 75189756563  
Status : Answered  
Chosen Option : 2

**Q.29** Find the single percentage discount equivalent to three successive discounts of 30%, 20% and 10% respectively.

- Ans**
- 1. 64.6%
  - 2. 49.6%
  - 3. 50.4%
  - 4. 46.4%

Question ID : 75189712969  
Option 1 ID : 75189751876  
Option 2 ID : 75189751874  
Option 3 ID : 75189751873  
Option 4 ID : 75189751875  
Status : Answered  
Chosen Option : 2

**Q.30** Identify the institute from the given description.

'The institute was founded on 1 June 1945 with support from the Sir Dorabji Tata Trust. The institute first began functioning within the Cosmic Ray Research Unit on the campus of the Indian Institute of Science, Bangalore and moved to Bombay in October that year.'

- Ans**
- 1. Tata Institute of Social Science (TISS)
  - 2. National Institute of Advance Sciences (NIAS)
  - 3. Shavak Nanavati Technical Institute (SNTI)
  - 4. Tata Institute of Fundamental Research (TIFR)

Question ID : 75189713982  
Option 1 ID : 75189755926  
Option 2 ID : 75189755928  
Option 3 ID : 75189755925  
Option 4 ID : 75189755927  
Status : Not Attempted and Marked For Review  
Chosen Option : --

**Q.31** Rani is elder to Rosy by 1 year, and Rosy is elder to Rimmy by 1 year. The sum of their ages is 48 years. What is Rosy's age?

- Ans**
- 1. 21 years
  - 2. 16 years
  - 3. 15 years
  - 4. 17 years

Question ID : 75189712072

Option 1 ID : 75189748288

Option 2 ID : 75189748286

Option 3 ID : 75189748285

Option 4 ID : 75189748287

Status : **Not Attempted and  
Marked For Review**

Chosen Option : --

**Q.32** The diameter of a wheel is 63 cm. What is the distance covered by the wheel by making 100 revolutions? [Use  $\pi = \frac{22}{7}$ ]

- Ans**
- 1. 28 m
  - 2. 198 m
  - 3. 99 m
  - 4. 396 m

Question ID : 75189711805

Option 1 ID : 75189747219

Option 2 ID : 75189747218

Option 3 ID : 75189747217

Option 4 ID : 75189747220

Status : **Not Attempted and  
Marked For Review**

Chosen Option : --

**Q.33** If the median and the mode of a set of data are 12 and 15, respectively, then find the value of thrice the mean of the same data set.

- Ans**
- ✓ 1.  $\frac{63}{2}$
  - ✗ 2.  $\frac{33}{2}$
  - ✗ 3.  $\frac{35}{2}$
  - ✗ 4.  $\frac{23}{2}$

Question ID : 75189712992

Option 1 ID : 75189751966

Option 2 ID : 75189751967

Option 3 ID : 75189751965

Option 4 ID : 75189751968

Status : Answered

Chosen Option : 1

**Q.34** Energy Swaraj Yatra Bus has been designed and developed by Dr. Chetan Singh Solanki, who is a professor of \_\_\_\_\_, which plans to combine synergies of climate change mitigation efforts.

- Ans**
- ✗ 1. IIT Madras
  - ✗ 2. IIT Delhi
  - ✓ 3. IIT Bombay
  - ✗ 4. IIT Kharagpur

Question ID : 75189710406

Option 1 ID : 75189741622

Option 2 ID : 75189741623

Option 3 ID : 75189741624

Option 4 ID : 75189741621

Status : Not Answered

Chosen Option : --

**Q.35** In this question, the statement is followed by four conclusions. Find out which conclusion is true based on the given statement:

Statement:  $K \geq U = N > Q < R = T \leq P$

- Ans**
- 1.  $T < R$
  - 2.  $K = N$
  - 3.  $K > Q$
  - 4.  $Q > U$

Question ID : 75189710812

Option 1 ID : 75189743247

Option 2 ID : 75189743246

Option 3 ID : 75189743245

Option 4 ID : 75189743248

Status : Answered

Chosen Option : 3

**Q.36** निम्न श्रेणी में ऐसे कितने 7 हैं, जिनमें से प्रत्येक के ठीक बाद 1 है और ठीक पहले 5 है?

2 7 3 5 7 1 5 7 3 5 7 1 9 7 3 5 7 1 7 3 6 5 7 1 8 1 4 7 3 5

- Ans**
- 1. तीन
  - 2. चार
  - 3. दो
  - 4. पांच

Question ID : 75189713587

Option 1 ID : 75189754347

Option 2 ID : 75189754346

Option 3 ID : 75189754348

Option 4 ID : 75189754345

Status : Answered

Chosen Option : 1



Q.37 'बेटी बचाओ बेटी पढ़ाओ' कार्यक्रम का निम्नांकित में से कौन सा एक उद्देश्य नहीं है?

Ans  1.

बालिका शिशुओं की शिक्षा एवं सहभागिता सुनिश्चित करना

2.

लिंग-पूर्वाग्रह पर आधारित लिंग-चयनात्मक उन्मूलन का निषेध

3.

लाभार्थी बालिका के विवाह के समय प्रत्यक्ष बैंक अंतरण (डी.बी.टी.) के माध्यम से नकद अंतरण

4.

बालिका शिशुओं की उत्तरजीविता एवं संरक्षण सुनिश्चित करना

Question ID : 75189711113

Option 1 ID : 75189744451

Option 2 ID : 75189744449

Option 3 ID : 75189744452

Option 4 ID : 75189744450

Status : Answered

Chosen Option : 2

Q.38 Which of the following is primarily responsible for the movement of the human body?

Ans  1. Combination of nervous and connective tissues

2. Combination of muscular and connective tissues

3. Combination of nervous and muscular tissues

4. Combination of nervous and epithelial tissues

Question ID : 75189710177

Option 1 ID : 75189740708

Option 2 ID : 75189740706

Option 3 ID : 75189740707

Option 4 ID : 75189740705

Status : Answered

Chosen Option : 2

Q.39 \_\_\_\_\_ is an Islamic finance term referring to the obligation that an individual has to donate a certain proportion of wealth each year to charitable causes.

Ans  1. Mudarabah

2. Ijarah

3. Zakat

4. Musharakah

Question ID : 75189712374

Option 1 ID : 75189749494

Option 2 ID : 75189749496

Option 3 ID : 75189749493

Option 4 ID : 75189749495

Status : Not Answered

Chosen Option : --

**Q.40** If '+' means '×', '-' means '×', '×' means '+', and '÷' means '-', what will come in place of the question mark (?) in the following equation?

$$45 + 9 - 4 \times 15 \div 2 = ?$$

- Ans**
- 1. 32
  - 2. 31
  - 3. 30
  - 4. 33

Question ID : 75189713140  
 Option 1 ID : 75189752559  
 Option 2 ID : 75189752558  
 Option 3 ID : 75189752557  
 Option 4 ID : 75189752560  
 Status : Answered  
 Chosen Option : 4

**Q.41** Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.

NALAYAK : KAYALAN :: BEAUTY : YTUAEB :: POWERTY : ?

- Ans**
- 1. TPWEROY
  - 2. WOPREYT
  - 3. YTREWOP
  - 4. YRTEWOP

Question ID : 75189713230  
 Option 1 ID : 75189752917  
 Option 2 ID : 75189752920  
 Option 3 ID : 75189752919  
 Option 4 ID : 75189752918  
 Status : Answered  
 Chosen Option : 3

**Q.42** A statement is followed by two conclusions. Find out which conclusion is true based on the given statement.

**Statement:**

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

**Conclusions:**

- I.  $O < R$
- II.  $M > Q$

- Ans**
- 1. Both conclusions I and II are true
  - 2. Only conclusion I is true
  - 3. Either conclusion I or II is true
  - 4. Only conclusion II is true

Question ID : 75189711490  
 Option 1 ID : 75189745959  
 Option 2 ID : 75189745957  
 Option 3 ID : 75189745960  
 Option 4 ID : 75189745958  
 Status : Answered  
 Chosen Option : 2

Q.43 Which of the following states first receives the rain from the southwest monsoon?

- Ans
- 1. Himachal Pradesh
  - 2. West Bengal
  - 3. Rajasthan
  - 4. Kerala

Question ID : 75189712504  
 Option 1 ID : 75189750015  
 Option 2 ID : 75189750014  
 Option 3 ID : 75189750016  
 Option 4 ID : 75189750013  
 Status : Answered  
 Chosen Option : 2

Q.44 निम्नलिखित में से कौन सी भारतीय संविधान की एक प्रमुख विशेषता नहीं है?

- Ans
- 1. संघवाद की स्थापना
  - 2. मूल अधिकार
  - 3. सरकार का संसदीय स्वरूप
  - 4. सामंतशाही को प्रोत्साहन

Question ID : 75189714015  
 Option 1 ID : 75189756057  
 Option 2 ID : 75189756060  
 Option 3 ID : 75189756058  
 Option 4 ID : 75189756059  
 Status : Not Answered  
 Chosen Option : --

Q.45 G, H, I, J, K and L are six friends sitting around a circular table facing the centre of the table discussing the outcome of a cricket match. I is an immediate neighbour of both L and J. K is not the immediate neighbour of J. H is seated second to the left of L. Which of the following options represents I's position from G?

- Ans
- 1. Third to the left.
  - 2. Second to the right.
  - 3. Second to the left.
  - 4. Immediate right.

Question ID : 75189714715  
 Option 1 ID : 75189758860  
 Option 2 ID : 75189758857  
 Option 3 ID : 75189758858  
 Option 4 ID : 75189758859  
 Status : Not Attempted and  
 Marked For Review  
 Chosen Option : --

Q.46 In a triangle ABC, which of the following statements is correct?

- Ans
- ✓ 1. Side AB + Side BC > Side AC
  - ✗ 2. Side AB + Side BC < Side AC
  - ✗ 3. Side AB + Side BC ≥ Side AC
  - ✗ 4. Side AB + Side BC = Side AC

Question ID : 75189713409  
 Option 1 ID : 75189753633  
 Option 2 ID : 75189753635  
 Option 3 ID : 75189753636  
 Option 4 ID : 75189753634  
 Status : Answered  
 Chosen Option : 3

Q.47 The value of  $\frac{[(0.68)^2 + (0.32)^2 + 16 \times 0.0136]}{[(0.68)^3 - (0.32)^3] \div (0.3)^2}$  is:

- Ans
- ✓ 1.  $\frac{1}{4}$
  - ✗ 2.  $\frac{3}{5}$
  - ✗ 3.  $\frac{3}{8}$
  - ✗ 4.  $\frac{1}{2}$

Question ID : 75189712604  
 Option 1 ID : 75189750413  
 Option 2 ID : 75189750416  
 Option 3 ID : 75189750415  
 Option 4 ID : 75189750414  
 Status : Answered  
 Chosen Option : 2

Q.48 Five boxes numbered 36, 74, 27, 51 and 92 are kept one above the other, not necessarily in the same order. Box 51 is on the topmost position. Only box 92 is between box 74 and box 36. Only one box is above box 27. Box 36 is not at the bottom most position. Which box is kept in the exact middle position?

- Ans
- ✗ 1. Box 92
  - ✗ 2. Box 74
  - ✗ 3. Box 27
  - ✓ 4. Box 36

Question ID : 75189714181  
 Option 1 ID : 75189756723  
 Option 2 ID : 75189756722  
 Option 3 ID : 75189756724  
 Option 4 ID : 75189756721  
 Status : Not Attempted and Marked For Review  
 Chosen Option : --

Q.49 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and also 'x' and '÷' are interchanged?

$$15 \div 3 - 10 \times 2 \div 18 \times 6 - 4 = ?$$

- Ans
- 1. 60
  - 2. 64
  - 3. 62
  - 4. 61

Question ID : 75189711647  
Option 1 ID : 75189746585  
Option 2 ID : 75189746588  
Option 3 ID : 75189746587  
Option 4 ID : 75189746586  
Status : Answered  
Chosen Option : 2

Q.50 A sum of ₹10,000 amounts to ₹11,025 in 2 years at a certain rate of interest per annum, compounded annually. The rate of interest per annum is:

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

Question ID : 75189713307  
Option 1 ID : 75189753227  
Option 2 ID : 75189753225  
Option 3 ID : 75189753228  
Option 4 ID : 75189753226  
Status : Answered  
Chosen Option : 3

Q.51 Which of the following statements is FALSE?

- Ans
- 1. Every germ cell will take one chromosome from each pair.
  - 2. The two alleles are brought together at the time of gamete formation
  - 3. Genes are located on chromosomes.
  - 4. Each gene controls one character.

Question ID : 75189710244  
Option 1 ID : 75189740976  
Option 2 ID : 75189740975  
Option 3 ID : 75189740973  
Option 4 ID : 75189740974  
Status : Not Attempted and Marked For Review  
Chosen Option : --

**Q.52** If  $0.0\overline{216}$  is written as a fraction in lowest terms, then what is the difference between the denominator and the numerator of the fraction?

- Ans
- 1. 187
  - 2. 183
  - 3. 181
  - 4. 179

Question ID : 75189712607  
 Option 1 ID : 75189750428  
 Option 2 ID : 75189750427  
 Option 3 ID : 75189750426  
 Option 4 ID : 75189750425  
 Status : Answered  
 Chosen Option : 3

**Q.53** A light ray is travelling from air medium to water medium (refractive index = 1.3) such that angle of incidence is x degree and angle of refraction is y degree. The value of ratio  $(\sin y) / (\sin x)$  is:

- Ans
- 1. 0.3
  - 2. 1/1.3
  - 3. 1.3
  - 4. 1

Question ID : 75189711150  
 Option 1 ID : 75189744600  
 Option 2 ID : 75189744597  
 Option 3 ID : 75189744598  
 Option 4 ID : 75189744599  
 Status : Answered  
 Chosen Option : 2

**Q.54** 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.)

(13, 84, 8)  
 (21, 136, 13)

- Ans
- 1. (27, 140, 8)
  - 2. (16, 23, 156)
  - 3. (14, 56, 8)
  - 4. (8, 71, 19)

Question ID : 75189714938  
 Option 1 ID : 75189759749  
 Option 2 ID : 75189759750  
 Option 3 ID : 75189759752  
 Option 4 ID : 75189759751  
 Status : Not Attempted and Marked For Review  
 Chosen Option : --

Q.55 शलभों (moths) और अन्य कीटों (insects) को प्रतिकर्षित करने हेतु प्रयुक्त नेफ्थालीन की गोलियां \_\_\_\_\_ से प्राप्त होती हैं।

- Ans
- 1. कोयला
  - 2. कोक
  - 3. कोलतार
  - 4. कोयला गैस

Question ID : 75189710289

Option 1 ID : 75189741155

Option 2 ID : 75189741154

Option 3 ID : 75189741153

Option 4 ID : 75189741156

Status : Not Attempted and  
Marked For Review

Chosen Option : --

Q.56 Which elements show similar valency as that of silicon?

- Ans
- 1. C and Ge
  - 2. Mg and K
  - 3. Cl and Br
  - 4. Na and H

Question ID : 75189715041

Option 1 ID : 75189760162

Option 2 ID : 75189760161

Option 3 ID : 75189760163

Option 4 ID : 75189760164

Status : Answered

Chosen Option : 1

Q.57 A student takes a ribbon and burns it in the presence of oxygen. It changes into magnesium oxide. Which process has occurred?

- Ans
- 1. Oxidation
  - 2. Hydrogenation
  - 3. Decomposition
  - 4. Reduction

Question ID : 75189714781

Option 1 ID : 75189759121

Option 2 ID : 75189759123

Option 3 ID : 75189759124

Option 4 ID : 75189759122

Status : Answered

Chosen Option : 3

Q.58 Who is the first captain in cricketing history to wins 13 consecutive T20I matches?

- Ans
- 1. Babar Azam
  - 2. Rohit Sharma
  - 3. Mahendra Singh Dhoni
  - 4. Virat Kohli

Question ID : 75189712552  
Option 1 ID : 75189750207  
Option 2 ID : 75189750205  
Option 3 ID : 75189750206  
Option 4 ID : 75189750208  
Status : Answered  
Chosen Option : 2

Q.59 Gandhi Jayanti is an event held in India to commemorate Mahatma Gandhi's birthday in the month of \_\_\_\_\_.

- Ans
- 1. November
  - 2. September
  - 3. October
  - 4. December

Question ID : 75189714041  
Option 1 ID : 75189756162  
Option 2 ID : 75189756164  
Option 3 ID : 75189756163  
Option 4 ID : 75189756161  
Status : Answered  
Chosen Option : 3

Q.60 Resistors of  $0.2 \Omega$ ,  $0.4 \Omega$ ,  $0.6 \Omega$ ,  $0.8 \Omega$  are connected in series across a voltage of 20 V. What is the net power of the electric circuit?

- Ans
- 1. 200 Watt
  - 2. 800 Watt
  - 3. 20 J/s
  - 4. 80 J/s

Question ID : 75189713847  
Option 1 ID : 75189755385  
Option 2 ID : 75189755387  
Option 3 ID : 75189755386  
Option 4 ID : 75189755388  
Status : Answered  
Chosen Option : 1



**Q.61** The induced current is \_\_\_\_\_ when the direction of the motion of the coil is at right angles to the magnetic field.

- Ans**
- 1. Maximum
  - 2. Minimum
  - 3. Zero
  - 4. Infinity

Question ID : 75189713890  
 Option 1 ID : 75189755557  
 Option 2 ID : 75189755558  
 Option 3 ID : 75189755559  
 Option 4 ID : 75189755560  
 Status : Answered  
 Chosen Option : 1

**Q.62** Mani starts from Point A and drives 5 km towards the west. He then takes a right turn, drives 8 km, turns right and drives 13 km. He then takes a right turn and drives 19 km, takes a left turn and drives 4 km. He then takes left turn and drives 11 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. 9 km towards the south
  - 2. 12 km towards the west
  - 3. 8 km towards the south
  - 4. 6 km towards the east

Question ID : 75189714493  
 Option 1 ID : 75189757969  
 Option 2 ID : 75189757970  
 Option 3 ID : 75189757972  
 Option 4 ID : 75189757971  
 Status : Answered  
 Chosen Option : 4

**Q.63**  $\left[ \left\{ (9261)^{\frac{1}{3}} \div 81^{\frac{1}{4}} \right\}^2 \times \sqrt[4]{1296} \right]$  equals:

- Ans**
- 1. 147
  - 2. 174
  - 3. 294
  - 4. 249

Question ID : 75189712001  
 Option 1 ID : 75189748002  
 Option 2 ID : 75189748004  
 Option 3 ID : 75189748003  
 Option 4 ID : 75189748001  
 Status : Answered  
 Chosen Option : 3

**Q.64** Girls should take special care with respect to health and hygiene during the time of menstrual flow to avoid infections and ill health. Which of the following statements in this regard is FALSE?

**Ans**  1.

Girls should keep track of their menstrual cycle and be prepared for the onset of menstruation.

2.

Girls should consume chips and packed or tinned snacks to meet nutritional needs.

3. Girls should use sanitary napkins or clean homemade pads.

4.

Girls should change pads after every 4–5 hours or as per the requirement.

Question ID : 75189714854

Option 1 ID : 75189759413

Option 2 ID : 75189759416

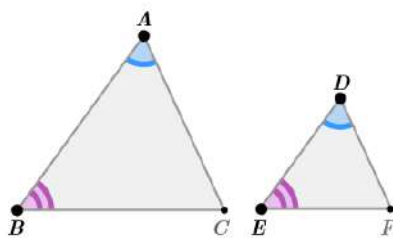
Option 3 ID : 75189759414

Option 4 ID : 75189759415

Status : Answered

Chosen Option : 2

**Q.65** In the given figure,  $\triangle ABC$  is similar to  $\triangle DEF$ ; if  $AB = 6.5$  cm,  $DE = 3.9$  cm, and  $BC = 5.15$  cm, find  $EF$ .



**Ans**  1. 3.90 cm

2. 3.09 cm

3. 3.00 cm

4. 4.12 cm

Question ID : 75189712097

Option 1 ID : 75189748387

Option 2 ID : 75189748385

Option 3 ID : 75189748386

Option 4 ID : 75189748388

Status : Answered

Chosen Option : 2

Q.66 What is the number of water of crystallisation molecules present in plaster of Paris?

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

Question ID : 75189714687  
Option 1 ID : 75189758747  
Option 2 ID : 75189758748  
Option 3 ID : 75189758746  
Option 4 ID : 75189758745  
Status : Answered  
Chosen Option : 4

Q.67 The \_\_\_\_\_ assesses the prospects of the economy with respect to the GDP growth rate, fiscal balance of the central government and external balance.

- Ans
- 1. Revenue Expenditure
  - 2. Medium-term Fiscal Policy Statement
  - 3. Fiscal Policy Strategy Statement
  - 4. Macroeconomic Framework Statement

Question ID : 75189714064  
Option 1 ID : 75189756256  
Option 2 ID : 75189756253  
Option 3 ID : 75189756255  
Option 4 ID : 75189756254  
Status : Not Answered

Chosen Option : --

Q.68 Five girls, A, B, C, D, and E are sitting around a circular table facing the centre. E is the immediate neighbour of A and B. D is second to the right of E. C is an immediate neighbour of D and B. Where is A seated?

- Ans
- 1. Second to the right of B
  - 2. To the immediate left of E
  - 3. To the immediate left of C
  - 4. Third to the right of D

Question ID : 75189714889  
Option 1 ID : 75189759555  
Option 2 ID : 75189759553  
Option 3 ID : 75189759556  
Option 4 ID : 75189759554  
Status : Answered  
Chosen Option : 1

Q.69 Which of the following is a Leadership Development Programme for Minority Women in India?

- Ans
- 1. Naya Savera
  - 2. Nai Roshni
  - 3. Naya Ujala
  - 4. Nai Manzil

Question ID : 75189710529

Option 1 ID : 75189742115

Option 2 ID : 75189742113

Option 3 ID : 75189742114

Option 4 ID : 75189742116

Status : Not Answered

Chosen Option : --

Q.70 Three statements are given followed by two conclusions numbered I and II. You have to take the statements to be true, even if they seem to be at variance with commonly known facts and decide which of the conclusions logically follow(s) from the statements.

**Statements:**

All Pages are Books.

All Books are Catalogues.

Some Catalogues are Designs.

**Conclusions:**

(I) Some Books are Designs.

(II) All Pages are Catalogues.

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

Question ID : 75189714604

Option 1 ID : 75189758413

Option 2 ID : 75189758414

Option 3 ID : 75189758415

Option 4 ID : 75189758416

Status : Answered

Chosen Option : 2

**Q.71** In which of the following years, Uttarakhand had received an unusual amount of rainfall, which led to the melting of the Chorabari glacier and the eruption of the Mandakini river?

- Ans**
- ✓ 1. 2013
  - ✗ 2. 2012
  - ✗ 3. 2015
  - ✗ 4. 2014

Question ID : 75189712503  
Option 1 ID : 75189750010  
Option 2 ID : 75189750009  
Option 3 ID : 75189750012  
Option 4 ID : 75189750011  
Status : Not Answered  
Chosen Option : --

**Q.72** Three statements are given followed by two conclusions numbered I and II. You have to take the statements to be true, even if they seem to be at variance with commonly known facts and decide which of the conclusions logically follow(s) from the statements.

**Statements:**

Some Waters are Stagnant.  
Some Waters are Rivers.  
All Stagnant are Mosquitos.

**Conclusions:**

(I) Some Waters are Mosquitos.  
(II) Some Rivers are Stagnant.

- Ans**
- ✗ 1. Only conclusion (II) follows.
  - ✗ 2. Neither conclusion (I) nor (II) follows.
  - ✓ 3. Only conclusion (I) follows.
  - ✗ 4. Both conclusions (I) and (II) follow.

Question ID : 75189714591  
Option 1 ID : 75189758362  
Option 2 ID : 75189758364  
Option 3 ID : 75189758361  
Option 4 ID : 75189758363  
Status : Answered  
Chosen Option : 3

Q.73 Girish Chandra Murmu held the post of \_\_\_\_\_ as on 31 March 2022.

Ans

- 1. Attorney General of India
- 2. Comptroller and Auditor General of India
- 3. Chief Election Commissioner of India
- 4. Solicitor General of India

Question ID : 7518978595

Option 1 ID : 75189734379

Option 2 ID : 75189734377

Option 3 ID : 75189734380

Option 4 ID : 75189734378

Status : Answered

Chosen Option : 1

Q.74 Which football club clinched the I-League title in 2022?

Ans

- 1. Gokulam Kerala FC
- 2. Rajasthan FC
- 3. Mohammedan Sporting
- 4. RoundGlass Punjab

Question ID : 75189712524

Option 1 ID : 75189750094

Option 2 ID : 75189750095

Option 3 ID : 75189750093

Option 4 ID : 75189750096

Status : Not Answered

Chosen Option : --

Q.75 Which of the following terms will replace the question mark (?) in the given series to make it logically complete?

SKC33, OGY39, KCU45, GYQ51, ?

Ans

- 1. MCN55
- 2. CUM57
- 3. MCN57
- 4. CUM59

Question ID : 75189713913

Option 1 ID : 75189755651

Option 2 ID : 75189755652

Option 3 ID : 75189755649

Option 4 ID : 75189755650

Status : Answered

Chosen Option : 2

**Q.76** The LCM and the HCF of two numbers are 5005 and 77, respectively. When one of the two numbers is divided by 55, the quotient is 18 and the remainder is 11. The other number is:

- Ans**
- 1. 330
  - 2. 385
  - 3. 418
  - 4. 440

Question ID : 75189712618  
Option 1 ID : 75189750469  
Option 2 ID : 75189750470  
Option 3 ID : 75189750471  
Option 4 ID : 75189750472  
Status : Not Answered  
Chosen Option : --

**Q.77** A battery of 12V supplies a current of 3 A to a lamp connected to it. The energy supplied to it in 15 minutes will be:

- Ans**
- 1. 32000 J
  - 2. 32150 J
  - 3. 32400 J
  - 4. 540 J

Question ID : 75189711346  
Option 1 ID : 75189745381  
Option 2 ID : 75189745382  
Option 3 ID : 75189745384  
Option 4 ID : 75189745383  
Status : Answered  
Chosen Option : 3

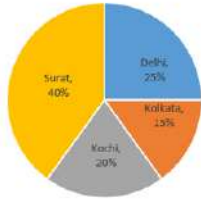
**Q.78** Find the sum of the roots of the quadratic equation  $x^2 + 19x + 60 = 0$ .

- Ans**
- 1. -19
  - 2. 19
  - 3. 1/19
  - 4. -19/60

Question ID : 75189712082  
Option 1 ID : 75189748326  
Option 2 ID : 75189748327  
Option 3 ID : 75189748325  
Option 4 ID : 75189748328  
Status : Answered  
Chosen Option : 1

**Q.79** Study the given pie-chart and answer the following question.

The given pie chart depicts the number of cars sold in four cities. The total number of cars sold in the given four cities together is 80.



In Delhi, the respective ratio between the number of cars sold to female and male customers is 2 : 3. What is the number of cars sold to female customers in Delhi?

- Ans**
- 1. 4
  - 2. 6
  - 3. 8
  - 4. 12

Question ID : 75189712734  
 Option 1 ID : 75189750936  
 Option 2 ID : 75189750935  
 Option 3 ID : 75189750933  
 Option 4 ID : 75189750934  
 Status : Not Answered  
 Chosen Option : --

**Q.80** A statement is given followed by two possible conclusions numbered I and II. You have to assume everything in the statement to be true and on the basis of it, decide which of the conclusions logically follow(s).

**Statement:** "I want to start my own business of exporting cashews and hazelnuts to Turkey and America because I have many friends in these countries with similar business interests, which I think will be helpful." — A told B.

**Conclusions:**

- I. It's always beneficial to have good contacts in the domains of work.
- II. B is not interested in doing business with A.

- Ans**
- 1. Neither conclusion follows
  - 2. Both the conclusions follow
  - 3. Only conclusion I follows
  - 4. Only conclusion II follows

Question ID : 75189714557  
 Option 1 ID : 75189758228  
 Option 2 ID : 75189758227  
 Option 3 ID : 75189758225  
 Option 4 ID : 75189758226  
 Status : Answered  
 Chosen Option : 3



**Q.81** Initially Ram had ₹4 with him and Shyam had ₹7 with him. Jatin gave each of Ram and Shyam an equal amount of money and after that the amounts Ram and Shyam had were in the ratio 7 : 9. How much money (in ₹) did Jatin give to each of Ram and Shyam?

- Ans**
- 1. 6.00
  - 2. 6.50
  - 3. 5.50
  - 4. 7.00

Question ID : 75189712952  
Option 1 ID : 75189751806  
Option 2 ID : 75189751807  
Option 3 ID : 75189751805  
Option 4 ID : 75189751808  
Status : Answered  
Chosen Option : 2

**Q.82** 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.

231 : 334 :: 289 : ? :: 319 : 422

- Ans**
- 1. 394
  - 2. 393
  - 3. 395
  - 4. 392

Question ID : 75189713708  
Option 1 ID : 75189754832  
Option 2 ID : 75189754829  
Option 3 ID : 75189754831  
Option 4 ID : 75189754830  
Status : Answered  
Chosen Option : 4

**Q.83** Plant root cells also need oxygen to generate energy. So roots take up air from:

- Ans**
- 1. air spaces between soil particles
  - 2. cytoplasm
  - 3. stomata
  - 4. water

Question ID : 75189714823  
Option 1 ID : 75189759291  
Option 2 ID : 75189759289  
Option 3 ID : 75189759292  
Option 4 ID : 75189759290  
Status : Answered  
Chosen Option : 1

Q.84 How many times on an average does an adult human being at rest breathe in and out in a minute?

- Ans
- 1. 18–21 times
  - 2. 15–18 times
  - 3. 12–15 times
  - 4. 20–23 times

Question ID : 75189710201

Option 1 ID : 75189740802

Option 2 ID : 75189740801

Option 3 ID : 75189740804

Option 4 ID : 75189740803

Status : **Not Attempted and  
Marked For Review**

Chosen Option : --

Q.85 The Sone river belongs to which river system?

- Ans
- 1. Ganga
  - 2. Godavari
  - 3. Mahanadi
  - 4. Narmada

Question ID : 75189712411

Option 1 ID : 75189749644

Option 2 ID : 75189749641

Option 3 ID : 75189749642

Option 4 ID : 75189749643

Status : **Not Attempted and  
Marked For Review**

Chosen Option : --

Q.86 A can complete  $33\frac{1}{3}\%$  of a piece of work in 10 days and B can complete one-fourth of the same work in 30 days. A, B and C together can complete the same work in 12 days. In how many days will the work be completed if A works on all days, and is assisted by B and C on alternate days, starting with B assisting A on the first day?

- Ans
- 1.  $18\frac{4}{13}$
  - 2.  $17\frac{1}{3}$
  - 3.  $18\frac{2}{3}$
  - 4.  $17\frac{3}{13}$

Question ID : 75189712635

Option 1 ID : 75189750538

Option 2 ID : 75189750539

Option 3 ID : 75189750537

Option 4 ID : 75189750540

Status : **Not Attempted and  
Marked For Review**

Chosen Option : --

Q.87 At what time between 2:30 p.m. and 3:30 p.m. will the hands of a clock be together?

- Ans
- 1.  $11 + \frac{4}{16}$
  - 2.  $16 + \frac{4}{11}$
  - 3.  $14 + \frac{16}{11}$
  - 4.  $14 + \frac{6}{11}$

Question ID : 75189713482

Option 1 ID : 75189753926

Option 2 ID : 75189753927

Option 3 ID : 75189753928

Option 4 ID : 75189753925

Status : Answered

Chosen Option : 4

Q.88 Which of the following represents a quadratic equation?

- Ans
- 1.  $(x - 7)(x + 2) = (x - 2)(x)$
  - 2.  $(x + 3)(x - 4) = x^2 + 2x + 12$
  - 3.  $(3x + 4)x = 3x^2 + 16$
  - 4.  $(x + 2)(x + 2)(x - 1) = x^3 + 5x^2 + 6x + 4$

Question ID : 75189712077

Option 1 ID : 75189748308

Option 2 ID : 75189748305

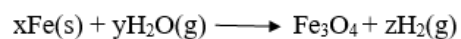
Option 3 ID : 75189748307

Option 4 ID : 75189748306

Status : Answered

Chosen Option : 4

Q.89 Study the given chemical reaction and find the values of x, y and z, respectively.



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

Question ID : 75189713941

Option 1 ID : 75189755764

Option 2 ID : 75189755763

Option 3 ID : 75189755761

Option 4 ID : 75189755762

Status : Answered

Chosen Option : 3

Q.90  $\sin^6 \theta + \cos^6 \theta$  can be simplified as:

- Ans
- 1.  $1 - \sin^2 \theta \cos^2 \theta$
  - 2.  $1 + \sin^2 \theta \cos^2 \theta$
  - 3.  $1 + 3 \sin^2 \theta \cos^2 \theta$
  - 4.  $1 - 3 \sin^2 \theta \cos^2 \theta$

Question ID : 75189712105

Option 1 ID : 75189748417

Option 2 ID : 75189748419

Option 3 ID : 75189748418

Option 4 ID : 75189748420

Status : Answered

Chosen Option : 1

Q.91 R, S, T, U, V and W live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on till the topmost floor is numbered 6. Only two people between T and W. T does not live on the topmost floor. Neither U nor V lives on the lowermost floor. Only one person lives above S. U lives immediately below T and immediately above V. Who lives on floor number 2?

- Ans
- 1. V
  - 2. U
  - 3. T
  - 4. S

Question ID : 75189713529

Option 1 ID : 75189754113

Option 2 ID : 75189754114

Option 3 ID : 75189754115

Option 4 ID : 75189754116

Status : Not Attempted and  
Marked For Review

Chosen Option : --

Q.92 Study the given number series and answer the question that follows.

(Left) 5 3 4 7 2 8 6 5 3 9 4 2 6 8 9 5 (Right)

How many such odd numbers are there each of which is immediately preceded by an even number and also immediately followed by an even number?

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

Question ID : 75189711035

Option 1 ID : 75189744138

Option 2 ID : 75189744137

Option 3 ID : 75189744139

Option 4 ID : 75189744140

Status : Answered

Chosen Option : 4

**Q.93** If a copper wire is moving through a uniform magnetic field, then the direction of the induced current can be found using the:

- Ans**
- 1. Fleming's right hand rule
  - 2. Fleming's left hand rule
  - 3. Maxwell's left hand screw rule
  - 4. Maxwell's right hand screw rule

Question ID : 75189712662  
Option 1 ID : 75189750646  
Option 2 ID : 75189750645  
Option 3 ID : 75189750648  
Option 4 ID : 75189750647  
Status : Answered  
Chosen Option : 1

**Q.94** Which of the options below gives a pair of co-prime numbers?

- Ans**
- 1. (196, 343)
  - 2. (228, 247)
  - 3. (161, 192)
  - 4. (156, 234)

Question ID : 75189713274  
Option 1 ID : 75189753093  
Option 2 ID : 75189753095  
Option 3 ID : 75189753096  
Option 4 ID : 75189753094  
Status : Answered  
Chosen Option : 3

**Q.95** Ten years later, Ramesh will be twice as old as Rajiv and five years ago Ramesh was three times as old as Rajiv. Find the present age (in years) of Ramesh.

- Ans**
- 1. 40
  - 2. 20
  - 3. 50
  - 4. 60

Question ID : 75189711785  
Option 1 ID : 75189747139  
Option 2 ID : 75189747138  
Option 3 ID : 75189747137  
Option 4 ID : 75189747140  
Status : Answered  
Chosen Option : 1

Q.96 Which of the following numbers will replace the question mark (?) in the given series?

4, 9.6, 23.04, ?, 132.7104, 318.50496

- Ans
- 1. 60.913
  - 2. 55.296
  - 3. 58.269
  - 4. 51.865

Question ID : 75189713689

Option 1 ID : 75189754753

Option 2 ID : 75189754754

Option 3 ID : 75189754755

Option 4 ID : 75189754756

Status : Not Attempted and  
Marked For Review

Chosen Option : --

Q.97 Magnification produced by a spherical mirror is equal to:

- Ans
- 1.  $\frac{\text{(height of an image)}}{\text{(height of an object)}}$
  - 2. height of an object – height of an image
  - 3. height of an image – height of an object
  - 4.  $\frac{\text{(height of an object)}}{\text{(height of an image)}}$

Question ID : 75189711144

Option 1 ID : 75189744576

Option 2 ID : 75189744573

Option 3 ID : 75189744574

Option 4 ID : 75189744575

Status : Answered

Chosen Option : 1

Q.98 Which of the following numbers will replace the question mark (?) in the given series?

2, 3, 4, 9, 6, 27, 8, 81, 10, ?

- Ans
- 1. 243
  - 2. 183
  - 3. 111
  - 4. 333

Question ID : 75189713126

Option 1 ID : 75189752503

Option 2 ID : 75189752502

Option 3 ID : 75189752501

Option 4 ID : 75189752504

Status : Answered

Chosen Option : 1

Q.99

If  $\left(\frac{32}{243}\right)^k = \frac{8}{27}$ , then k = \_\_\_\_\_.

Ans

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

Question ID : 75189711963

Option 1 ID : 75189747851

Option 2 ID : 75189747849

Option 3 ID : 75189747850

Option 4 ID : 75189747852

Status : Answered

Chosen Option : 3

Q.100 The ratio of A's salary to B's salary is 4 : 5. The ratio of B's salary to C's salary is 3 : 4. Find the ratio of A's salary to C's salary.

Ans

- 1. 3 : 5
- 2. 4 : 5
- 3. 4 : 3
- 4. 5 : 4

Question ID : 75189712941

Option 1 ID : 75189751763

Option 2 ID : 75189751764

Option 3 ID : 75189751761

Option 4 ID : 75189751762

Status : Answered

Chosen Option : 1