



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 | ChatraShakti Info Solutions Private Limited |
| Test Date        | 27/09/2022                                  |
| Test Time        | 9:00 AM - 10:30 AM                          |
| Subject          | Level 1                                     |

\* Note

Correct Answer will carry 1 mark per Question.

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

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

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

Section : Level 1

Q.1 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and also 'x' and '÷' are interchanged?

$$28 \div 12 + 18 \times 6 + 4 = ?$$

- Ans
- ☒ 1. 529
  - ☒ 2. 329
  - ☒ 3. 229
  - ☒ 4. 429

Question ID : 75189711644  
Option 1 ID : 75189746576  
Option 2 ID : 75189746574  
Option 3 ID : 75189746573  
Option 4 ID : 75189746575  
Status : Answered  
Chosen Option : 2

Q.2 Solung celebrated on September 1 every year is the most popular festival of Adi Tribe of which state?

- Ans
- ☒ 1. Sikkim
  - ☒ 2. Meghalaya
  - ☒ 3. Arunachal Pradesh
  - ☒ 4. Tripura

Question ID : 75189710435  
Option 1 ID : 75189741739  
Option 2 ID : 75189741737  
Option 3 ID : 75189741738  
Option 4 ID : 75189741740  
Status : Not Attempted and Marked For Review  
Chosen Option : --

**Q.3** Shalini's age is four times the sum of the ages of her two sons. Six years hence, her age will be double the sum of their ages. What is Shalini's present age?

- Ans**
- ☒ 1. 32 years
  - ☒ 2. 40 years
  - ☒ 3. 26 years
  - ☒ 4. 36 years

Question ID : **75189712075**

Option 1 ID : **75189748299**

Option 2 ID : **75189748300**

Option 3 ID : **75189748298**

Option 4 ID : **75189748297**

Status : **Not Answered**

Chosen Option : --

**Q.4** In a certain code language, 'DUCAT' is written as 'GYHGA' and 'INDIA' is written as 'LRIOH'. How will 'CHAIR' be written in that language?

- Ans**
- ☒ 1. FLFOY
  - ☒ 2. GMGPZ
  - ☒ 3. FLFPY
  - ☒ 4. GNGPZ

Question ID : **75189711047**

Option 1 ID : **75189744185**

Option 2 ID : **75189744186**

Option 3 ID : **75189744188**

Option 4 ID : **75189744187**

Status : **Answered**

Chosen Option : 1

**Q.5** Under which Article of the Constitution of India is the President of India empowered to issue a "Proclamation of Emergency"?

- Ans**
- ☒ 1. Article 352
  - ☒ 2. Article 370
  - ☒ 3. Article 315
  - ☒ 4. Article 356

Question ID : **75189712166**

Option 1 ID : **75189748664**

Option 2 ID : **75189748662**

Option 3 ID : **75189748661**

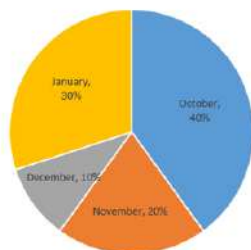
Option 4 ID : **75189748663**

Status : **Answered**

Chosen Option : 1

**Q.6** Study the given pie-chart and answer the following question.

The given pie chart depicts the number of orders placed in four months. The total number of orders placed in the given four months together is 90.



The number of orders placed in February is 24 more than the number of orders placed in November. What is the number of orders placed in February?

- Ans**
- ☒ 1. 44
  - ☒ 2. 42
  - ☒ 3. 40
  - ☒ 4. 41

Question ID : **75189712740**

Option 1 ID : **75189750960**

Option 2 ID : **75189750959**

Option 3 ID : **75189750957**

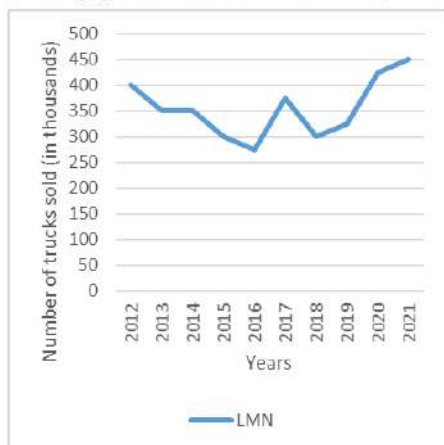
Option 4 ID : **75189750958**

Status : **Answered**

Chosen Option : **2**

**Q.7** Study the given line-graph and answer the question that follows.

The line-graph shows the number of trucks sold (in thousands) by company LMN over the years.



What is the ratio of total trucks sold in 2012, 2013, 2014 and 2015 to the trucks sold in 2016, 2017, 2018 and 2020?

- Ans
- ☒ 1. 55 : 56
  - ☒ 2. 50 : 51
  - ☒ 3. 56 : 55
  - ☒ 4. 51 : 50

Question ID : 75189715127

Option 1 ID : 75189760507

Option 2 ID : 75189760506

Option 3 ID : 75189760505

Option 4 ID : 75189760508

Status : Answered

Chosen Option : 3

**Q.8** A quadratic equation whose roots are  $\frac{5}{3}$  and  $-\frac{3}{4}$  is:

- Ans
- ☒ 1.  $12x^2 - 11x - 15 = 0$
  - ☒ 2.  $6x^2 - 11x - 15 = 0$
  - ☒ 3.  $6x^2 + 11x - 15 = 0$
  - ☒ 4.  $12x^2 + 22x - 15 = 0$

Question ID : 75189712648

Option 1 ID : 75189750591

Option 2 ID : 75189750589

Option 3 ID : 75189750590

Option 4 ID : 75189750592

Status : Answered

Chosen Option : 1

Q.9 If  $p \sin^2 \beta + q \cos^2 \beta = r$ , then the value of  $\cot^2 \beta$  is:

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

Question ID : 75189712889

Option 1 ID : 75189751556

Option 2 ID : 75189751553

Option 3 ID : 75189751554

Option 4 ID : 75189751555

Status : Not Answered

Chosen Option : --

Q.10 A concave lens of focal length 30 cm forms an image of an object placed at 60 cm from it. The position and nature of the image formed will be :

- Ans
- ☒ 1. -20 cm, virtual and erect
  - ☒ 2. -20 cm, real and inverted
  - ☒ 3. 20 cm, virtual and erect
  - ☒ 4. 20 cm, real and Inverted

Question ID : 75189711298

Option 1 ID : 75189745191

Option 2 ID : 75189745190

Option 3 ID : 75189745192

Option 4 ID : 75189745189

Status : Answered

Chosen Option : 1

Q.11 The heat generated H due to Joule's heating effect is directly proportional to \_\_\_\_\_.

- Ans
- ☒ 1. square of the current
  - ☒ 2. cube of the current
  - ☒ 3. square root of the current
  - ☒ 4. cube root of the current

Question ID : 75189713823

Option 1 ID : 75189755292

Option 2 ID : 75189755289

Option 3 ID : 75189755290

Option 4 ID : 75189755291

Status : Answered

Chosen Option : 1

Q.12 The value of  $\frac{(0.42)^2 + 36(0.05)^2}{9(0.21)^2 + (0.45)^2}$  is:

Ans

☐ 1.  $\frac{2}{9}$

☐ 2.  $\frac{5}{18}$

☐ 3.  $\frac{2}{3}$

☒ 4.  $\frac{4}{9}$

Question ID : **75189712600**

Option 1 ID : **75189750397**

Option 2 ID : **75189750400**

Option 3 ID : **75189750398**

Option 4 ID : **75189750399**

Status : **Not Answered**

Chosen Option : --

Q.13 Aditya can complete a piece of work alone in 8 days and Bhagawan can complete the same piece of work alone in 12 days. They started the work together, but Aditya had to leave 3 days before the completion of the work. In how many days will the work complete?

Ans

☒ 1.  $6\frac{3}{5}$  days

☐ 2.  $6\frac{4}{5}$  days

☐ 3.  $6\frac{1}{5}$  days

☐ 4.  $6\frac{2}{5}$  days

Question ID : **75189712979**

Option 1 ID : **75189751915**

Option 2 ID : **75189751914**

Option 3 ID : **75189751916**

Option 4 ID : **75189751913**

Status : **Answered**

Chosen Option : 1

Q.14 The correct increasing order of metallic character is:

- Ans ☒ 1.  $\text{Ge} < \text{Ga} < \text{Sc} < \text{Ca}$   
☒ 2.  $\text{Ge} < \text{As} < \text{Ga} < \text{Ca}$   
☒ 3.  $\text{Ge} < \text{Zn} < \text{Cu} < \text{As}$   
☒ 4.  $\text{Ga} < \text{Ge} < \text{Ca} < \text{Sc}$

Question ID : 75189714705

Option 1 ID : 75189758817

Option 2 ID : 75189758818

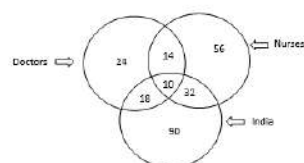
Option 3 ID : 75189758819

Option 4 ID : 75189758820

Status : Answered

Chosen Option : 2

Q.15 Study the given diagram carefully and answer the question. The numbers in different sections indicate the number of persons.



How many such nurses are there who are from India but are NOT doctors?

- Ans ☒ 1. 32  
☒ 2. 24  
☒ 3. 28  
☒ 4. 42

Question ID : 75189713034

Option 1 ID : 75189752133

Option 2 ID : 75189752134

Option 3 ID : 75189752136

Option 4 ID : 75189752135

Status : Answered

Chosen Option : 1

Q.16 If  $x = (\sqrt{2352} \div \sqrt{1200}) \div \sqrt{0.04}$ , then the value of  $\frac{x+1}{x-1}$  is:

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

Question ID : 75189712597

Option 1 ID : 75189750385

Option 2 ID : 75189750388

Option 3 ID : 75189750387

Option 4 ID : 75189750386

Status : Answered

Chosen Option : 2

Q.17 What is the name of the Light Combat Aircraft, which is designed and manufactured in India?

- Ans
- ☒ 1. Pawan
  - ☒ 2. Pushpak
  - ☒ 3. Virat
  - ☒ 4. Tejas

Question ID : 75189710518

Option 1 ID : 75189742072

Option 2 ID : 75189742071

Option 3 ID : 75189742069

Option 4 ID : 75189742070

Status : Answered

Chosen Option : 4

Q.18 Some plants produce a sticky substance in the stem which is used to prepare gum adhesives. What is the use of this gum to the plant?

- Ans
- ☒ 1. It attracts insect pollinators.
  - ☒ 2. It has medicinal value.
  - ☒ 3. It helps in the transport of water.
  - ☒ 4. It is a waste product of metabolism.

Question ID : 75189710076

Option 1 ID : 75189740301

Option 2 ID : 75189740303

Option 3 ID : 75189740304

Option 4 ID : 75189740302

Status : Answered

Chosen Option : 2



Q.19 Brahma Kamal is the state flower of which state?

- Ans
- ☐ 1. Tripura
  - ☐ 2. Himachal Pradesh
  - ☐ 3. Sikkim
  - ☒ 4. Uttarakhand

Question ID : 75189712161

Option 1 ID : 75189748644

Option 2 ID : 75189748641

Option 3 ID : 75189748642

Option 4 ID : 75189748643

Status : Answered

Chosen Option : 4

Q.20 In the word 'CLIPBOARD', if each vowel is changed to the letter immediately following it and each consonant is changed to the letter immediately preceding it in the English alphabetical order, then how many vowels will be there in the group of letters thus formed?

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

Question ID : 75189713564

Option 1 ID : 75189754256

Option 2 ID : 75189754255

Option 3 ID : 75189754254

Option 4 ID : 75189754253

Status : Answered

Chosen Option : 4

Q.21 The ratio of boys and girls in a school that has 480 students is 7 : 9. What will be the ratio of boys and girls if 3 more girls are admitted to the school?

- Ans
- ☐ 1. 9 : 7
  - ☐ 2. 7 : 9
  - ☒ 3. 10 : 13
  - ☐ 4. 13 : 10

Question ID : 75189712942

Option 1 ID : 75189751768

Option 2 ID : 75189751767

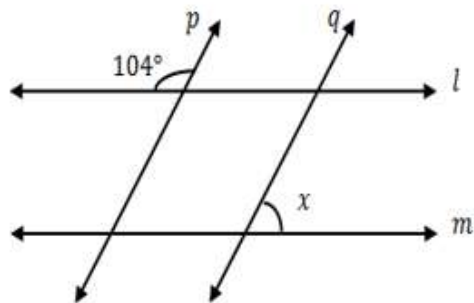
Option 3 ID : 75189751765

Option 4 ID : 75189751766

Status : Answered

Chosen Option : 3

Q.22 In the given figure,  $l \parallel m$  and  $p \parallel q$ . The value of  $x$  is:



- Ans
- ☒ 1.  $104^\circ$
  - ☒ 2.  $82^\circ$
  - ☒ 3.  $76^\circ$
  - ☒ 4.  $96^\circ$

Question ID : 75189712873

Option 1 ID : 75189751492

Option 2 ID : 75189751490

Option 3 ID : 75189751489

Option 4 ID : 75189751491

Status : Answered

Chosen Option : 3

Q.23 When iron nails come in contact with copper sulphate solution their colour changes to \_\_\_\_\_.

- Ans
- ☒ 1. brown
  - ☒ 2. yellow
  - ☒ 3. blue
  - ☒ 4. red

Question ID : 75189713947

Option 1 ID : 75189755785

Option 2 ID : 75189755786

Option 3 ID : 75189755788

Option 4 ID : 75189755787

Status : Answered

Chosen Option : 3

**Q.24** Study the given letter series and answer the question that follows.

(Left) K L A P A P S T U D A Q R T S X B Y (Right)

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

**Ans** ✓ 1. 2

✗ 2. 4

✗ 3. 3

✗ 4. 6

Question ID : **75189711033**

Option 1 ID : **75189744131**

Option 2 ID : **75189744129**

Option 3 ID : **75189744130**

Option 4 ID : **75189744132**

Status : **Answered**

Chosen Option : 1

**Q.25** In which cell organelle, the first step of cellular respiration, which is the breakdown of glucose, a six-carbon molecule, into a three-carbon molecule called pyruvate takes place?

**Ans** ✗ 1. Mitochondria

✗ 2. Lysosomes

✓ 3. Cytoplasm

✗ 4. Nucleus

Question ID : **75189710199**

Option 1 ID : **75189740793**

Option 2 ID : **75189740795**

Option 3 ID : **75189740794**

Option 4 ID : **75189740796**

Status : **Answered**

Chosen Option : 1

**Q.26** After fertilization, what will be the future of these parts of a flower- stamens, style, stigma, petal and sepal?

**Ans** ✗ 1. Persistent except sepal shed off in mostly plants

✗ 2.

Stigma, style, stamen shed off except petal and sepal in some plants

✓ 3.

They shed off except sepal which may be persistent in some plants

✗ 4. Stigma, style shed off except stamen, petal and sepal

Question ID : **75189714880**

Option 1 ID : **75189759518**

Option 2 ID : **75189759519**

Option 3 ID : **75189759517**

Option 4 ID : **75189759520**

Status : **Answered**

Chosen Option : 3

Q.27 Which of the following numbers will replace the question mark (?) in the given series?

144 ? 196 225 256

- Ans
- ☒ 1. 121
  - ☒ 2. 169
  - ☒ 3. 196
  - ☒ 4. 179

Question ID : 75189712671

Option 1 ID : 75189750682

Option 2 ID : 75189750681

Option 3 ID : 75189750683

Option 4 ID : 75189750684

Status : Answered

Chosen Option : 2

Q.28 Select the option that is related to the fifth number in the same way as the second number is related to the first number and the fourth number is related to the third number.

7 : 56 :: 5 : 30 :: 9 : ?

- Ans
- ☒ 1. 101
  - ☒ 2. 81
  - ☒ 3. 86
  - ☒ 4. 90

Question ID : 75189713129

Option 1 ID : 75189752516

Option 2 ID : 75189752513

Option 3 ID : 75189752514

Option 4 ID : 75189752515

Status : Answered

Chosen Option : 4

Q.29 After two successive discounts, a tie with a list price of ₹120 is available at ₹90. If the second discount is 9%, what is the first discount percentage? [Give your answer correct to 2 places of decimal.]

- Ans
- ☒ 1. 17.58%
  - ☒ 2. 84.42%
  - ☒ 3. 71.58%
  - ☒ 4. 63.33%

Question ID : 75189712968

Option 1 ID : 75189751870

Option 2 ID : 75189751869

Option 3 ID : 75189751872

Option 4 ID : 75189751871

Status : Answered

Chosen Option : 1

Q.30 If  $100 : 250 :: 250 : x$ , then what is the value of  $x$ ?

- Ans
- ☐ 1. 250
  - ☐ 2. 6.25
  - ☐ 3. 25
  - ☒ 4. 625

Question ID : 75189713296

Option 1 ID : 75189753183

Option 2 ID : 75189753182

Option 3 ID : 75189753184

Option 4 ID : 75189753181

Status : Answered

Chosen Option : 4

Q.31 In June 2022 researchers at the \_\_\_\_\_ have announced to have developed a robot to clean septic tanks without human intervention named HomoSEP.

- Ans
- ☐ 1. Indian Institute of Technology (IIT), Guwahati
  - ☐ 2. Indian Institute of Technology (IIT), Delhi
  - ☒ 3. Indian Institute of Technology (IIT), Madras
  - ☐ 4. Indian Institute of Technology (IIT), Bombay

Question ID : 75189712437

Option 1 ID : 75189749748

Option 2 ID : 75189749746

Option 3 ID : 75189749747

Option 4 ID : 75189749745

Status : Answered

Chosen Option : 1

Q.32 Select the number that will replace the question mark (?) in the given series.

64    343    36    125    16    ?

- Ans
- ☐ 1. 9
  - ☒ 2. 27
  - ☐ 3. 8
  - ☐ 4. 243

Question ID : 75189713670

Option 1 ID : 75189754677

Option 2 ID : 75189754678

Option 3 ID : 75189754680

Option 4 ID : 75189754679

Status : Answered

Chosen Option : 2

Q.33 The famous Majuli island is located on which river?

- Ans
- ☐ 1. Godavari
  - ☐ 2. Indus
  - ☒ 3. Brahmaputra
  - ☐ 4. Ganga

Question ID : 75189712500

Option 1 ID : 75189749997

Option 2 ID : 75189749998

Option 3 ID : 75189750000

Option 4 ID : 75189749999

Status : Answered

Chosen Option : 3

Q.34 Which of the following acts as the deciding factor in the determination of the valency of an atom?

- Ans
- ☐ 1. Number of electrons in the innermost shell
  - ☒ 2. Number of electrons in the outermost shell
  - ☐ 3. Number of electrons in the L shell
  - ☐ 4. Number of electrons in the K shell

Question ID : 75189712823

Option 1 ID : 75189751291

Option 2 ID : 75189751292

Option 3 ID : 75189751290

Option 4 ID : 75189751289

Status : Answered

Chosen Option : 2

Q.35 In a row of people, all facing north, Anil is 5<sup>th</sup> from the right end. Mona is 13<sup>th</sup> from the right end. Mona is exactly between Anil and Ritu. If Ritu is 5<sup>th</sup> from the left end of the row, how many people are there in the row?

- Ans
- ☐ 1. 24
  - ☐ 2. 21
  - ☒ 3. 25
  - ☐ 4. 22

Question ID : 75189714459

Option 1 ID : 75189757835

Option 2 ID : 75189757836

Option 3 ID : 75189757833

Option 4 ID : 75189757834

Status : Answered

Chosen Option : 3

**Q.36** If an image formed after reflection from a mirror is virtual and highly diminished, then the position of the object and type of mirror is:

- Ans**
- ☐ 1. Between C and F and concave mirror
  - ☐ 2. centre of curvature and concave mirror
  - ☐ 3. infinity and concave mirror
  - ☒ 4. infinity and convex mirror

Question ID : **7518979461**  
Option 1 ID : **75189737844**  
Option 2 ID : **75189737843**  
Option 3 ID : **75189737841**  
Option 4 ID : **75189737842**

Status : **Answered**

Chosen Option : **3**

**Q.37** Which Five-Year Plan is also called 'Gadgil Yojna', after the Deputy Chairman of the Planning Commission DR Gadgil?

- Ans**
- ☐ 1. Fourth
  - ☒ 2. Third
  - ☐ 3. Fifth
  - ☐ 4. Sixth

Question ID : **75189712394**  
Option 1 ID : **75189749574**  
Option 2 ID : **75189749573**  
Option 3 ID : **75189749575**  
Option 4 ID : **75189749576**

Status : **Answered**

Chosen Option : **2**

**Q.38** Which of the following is used to study the direction of rotation of a coil in a magnetic field in an electric motor?

- Ans**
- ☐ 1. Right hand thumb rule
  - ☐ 2. Left hand thumb rule
  - ☐ 3. Fleming's right hand rule
  - ☒ 4. Fleming's left hand rule

Question ID : **75189713878**  
Option 1 ID : **75189755509**  
Option 2 ID : **75189755510**  
Option 3 ID : **75189755512**  
Option 4 ID : **75189755511**

Status : **Answered**

Chosen Option : **3**

**Q.39** If the current flowing through a resistance of 5 ohm is 6 amp, then the current flowing through another resistance of 10 ohm connected in series to it is \_\_\_\_\_.

- Ans**
- ☒ 1. 0 amp
  - ☒ 2. 12 amp
  - ☒ 3. 3 amp
  - ☒ 4. 6 amp

Question ID : **75189713808**  
Option 1 ID : **75189755232**  
Option 2 ID : **75189755229**  
Option 3 ID : **75189755230**  
Option 4 ID : **75189755231**  
Status : **Answered**  
Chosen Option : **4**

**Q.40** Find the single percentage discount equivalent to three successive discounts of 30%, 20% and 10%.

- Ans**
- ☒ 1. 49.6%
  - ☒ 2. 46.9%
  - ☒ 3. 50.4%
  - ☒ 4. 60%

Question ID : **75189713318**  
Option 1 ID : **75189753269**  
Option 2 ID : **75189753272**  
Option 3 ID : **75189753270**  
Option 4 ID : **75189753271**  
Status : **Answered**  
Chosen Option : **1**

**Q.41** Find the average of 12, 15, 16, 17, 23 and 19.

- Ans**
- ☒ 1. 17
  - ☒ 2. 15
  - ☒ 3. 13
  - ☒ 4. 18

Question ID : **75189712984**  
Option 1 ID : **75189751935**  
Option 2 ID : **75189751934**  
Option 3 ID : **75189751933**  
Option 4 ID : **75189751936**  
Status : **Answered**  
Chosen Option : **1**



**Q.42** If a sum of ₹2,000 amounts to ₹2,360 in 3 years at a certain rate of simple interest per annum, then what will the same sum amount to in 5 years, if the rate of simple interest per annum remains the same?

- Ans**
- ☒ 1. ₹2,500
  - ☒ 2. ₹2,600
  - ☒ 3. ₹2,605
  - ☒ 4. ₹2,650

Question ID : **75189713302**

Option 1 ID : **75189753205**

Option 2 ID : **75189753206**

Option 3 ID : **75189753208**

Option 4 ID : **75189753207**

Status : **Answered**

Chosen Option : **2**

**Q.43** Under which Article of the Indian Constitution is there provision that "the Governor of a State shall at the expiration of every fifth year, constitute a Finance Commission to review the financial position of the Panchayats and to make recommendations to him"?

- Ans**
- ☒ 1. 243 X
  - ☒ 2. 243 I
  - ☒ 3. 243 Y
  - ☒ 4. 243 H

Question ID : **75189712430**

Option 1 ID : **75189749719**

Option 2 ID : **75189749718**

Option 3 ID : **75189749720**

Option 4 ID : **75189749717**

Status : **Answered**

Chosen Option : **2**

**Q.44** Which of the following terms will replace the question mark (?) in the given series to make it logically complete?

E12JZ, M16RH, U20ZP, C24HX, ?

- Ans**
- ☒ 1. P28KF
  - ☒ 2. K29FP
  - ☒ 3. P31FK
  - ☒ 4. K28PF

Question ID : **7518979136**

Option 1 ID : **75189736543**

Option 2 ID : **75189736542**

Option 3 ID : **75189736544**

Option 4 ID : **75189736541**

Status : **Answered**

Chosen Option : **4**

**Q.45** Refer to the given number, symbol series and answer the question that follows.

(Left)  $5^3 \times 42S75\%9@ \& \#83=93+2\%8$  (Right)

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

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

Question ID : 75189714552

Option 1 ID : 75189758208

Option 2 ID : 75189758207

Option 3 ID : 75189758206

Option 4 ID : 75189758205

Status : Answered

Chosen Option : 3

**Q.46** Which is the second official language of Telangana?

- Ans**
- ☒ 1. English
  - ☒ 2. Hindi
  - ☒ 3. Tulu
  - ☒ 4. Urdu

Question ID : 75189714052

Option 1 ID : 75189756208

Option 2 ID : 75189756205

Option 3 ID : 75189756206

Option 4 ID : 75189756207

Status : Answered

Chosen Option : 1

**Q.47** Seven students, A, B, C, D, E, F and G, are sitting around a circular table facing the centre (but not necessarily in the same order). D is sitting second to the left of C. D is sitting to the immediate right of G. B is sitting third to the left of F. E is sitting to the immediate left of B.

Who among the following is an immediate neighbour of B and D?

- Ans**
- ☒ 1. C
  - ☒ 2. G
  - ☒ 3. F
  - ☒ 4. E

Question ID : 75189711423

Option 1 ID : 75189745691

Option 2 ID : 75189745690

Option 3 ID : 75189745689

Option 4 ID : 75189745692

Status : Answered

Chosen Option : 2

**Q.48** In which country did the Buddhist teachings of Nichiren Daishonin begin?

- Ans ☒ 1. South Korea  
☒ 2. Japan  
☒ 3. Vietnam  
☒ 4. Philippines

Question ID : **75189712370**

Option 1 ID : **75189749480**

Option 2 ID : **75189749477**

Option 3 ID : **75189749478**

Option 4 ID : **75189749479**

Status : **Answered**

Chosen Option : **3**

**Q.49** If  $0.25a = 0.05b$ , then which of the options below gives the best approximation of the value of  $\frac{b-a}{b+a}$ ?

- Ans ☒ 1. 0.16  
☒ 2. 1.6  
☒ 3. 0.67  
☒ 4. 6.6

Question ID : **75189712908**

Option 1 ID : **75189751629**

Option 2 ID : **75189751630**

Option 3 ID : **75189751631**

Option 4 ID : **75189751632**

Status : **Answered**

Chosen Option : **3**

**Q.50** Find the missing value of weight ( $x$ ) assigned if the weighted average of the data set provided below is 24.5.

| Object          | A  | B | C   | D  |
|-----------------|----|---|-----|----|
| Value of object | 15 | 2 | 30  | 43 |
| Assigned weight | 3  | 2 | $x$ | 1  |

- Ans ☒ 1. 12  
☒ 2. 4  
☒ 3. 5  
☒ 4. 10

Question ID : **75189713437**

Option 1 ID : **75189753748**

Option 2 ID : **75189753745**

Option 3 ID : **75189753747**

Option 4 ID : **75189753746**

Status : **Not Answered**

Chosen Option : **--**

**Q.51** Which of the following is NOT a goal of sustainable agriculture?

- Ans**
- ☐ 1. Minimising input of chemicals
  - ☐ 2. Maximising economic value
  - ☒ 3. Minimising labour and effort
  - ☐ 4. Maximising environmental health

Question ID : **75189712329**

Option 1 ID : **75189749315**

Option 2 ID : **75189749313**

Option 3 ID : **75189749316**

Option 4 ID : **75189749314**

Status : **Answered**

Chosen Option : **3**

**Q.52** Three statements are given followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide

which of the conclusions logically follow(s) from the statements.

Statements:

All bridges are roads.

Some footpaths are roads.

Some footpaths are bricks.

Conclusions:

I. Some bridges are bricks.

II. Some roads are bridges.

III. Some footpaths are bridges.

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

Question ID : **75189713679**

Option 1 ID : **75189754713**

Option 2 ID : **75189754715**

Option 3 ID : **75189754716**

Option 4 ID : **75189754714**

Status : **Answered**

Chosen Option : **3**

**Q.53** In a certain code language, 'HOUSE' is written as 'FOSUC' and 'RAHUL' is written as 'PAUHL'. How will 'ABOVE' be written in that language?

- Ans**
- ✓ 1. YBVOC
  - ✗ 2. CDMXC
  - ✗ 3. ZCMXC
  - ✗ 4. XCNMB

Question ID : 75189713217

Option 1 ID : 75189752868

Option 2 ID : 75189752867

Option 3 ID : 75189752865

Option 4 ID : 75189752866

Status : Answered

Chosen Option : 1

**Q.54** A coin of diameter 10 cm is placed at a distance  $3.5f$  from the pole of a concave mirror of focal length  $f$ . The linear magnification and the diameter of the image are:

- Ans**
- ✓ 1.  $\frac{2}{5}$  and 4 cm, respectively
  - ✗ 2.  $\frac{1}{5}$  and 2 cm, respectively
  - ✗ 3.  $\frac{3}{5}$  and 5 cm, respectively
  - ✗ 4.  $\frac{4}{5}$  and 8 cm, respectively

Question ID : 75189711272

Option 1 ID : 75189745086

Option 2 ID : 75189745085

Option 3 ID : 75189745087

Option 4 ID : 75189745088

Status : Answered

Chosen Option : 1

**Q.55** The number of double bonds present in Benzene is \_\_\_\_\_.

- Ans**
- ✓ 1. three
  - ✗ 2. two
  - ✗ 3. four
  - ✗ 4. six

Question ID : 75189714660

Option 1 ID : 75189758638

Option 2 ID : 75189758637

Option 3 ID : 75189758639

Option 4 ID : 75189758640

Status : Answered

Chosen Option : 1

**Q.56** Which set of statements is true about the river Ganga?

1. The Ganga rises in the Gangotri glacier near Gaumukh. Here, it is known as the Bhagirathi.
2. At Devprayag, the Bhagirathi meets the Alaknanda; hereafter, it is known as the Ganga.
3. The Alaknanda has its source in the Satopanth glacier above Kedarnath.
4. The Ganga enters the plains at Haridwar

**Ans** ☒ 1. 1, 2 and 3  
☒ 2. 1, 3 and 4  
☒ 3. 2, 3 and 4  
☒ 4. 1, 2 and 4

Question ID : 75189714011

Option 1 ID : 75189756041

Option 2 ID : 75189756044

Option 3 ID : 75189756043

Option 4 ID : 75189756042

Status : Answered

Chosen Option : 4

**Q.57** 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.

ZCD : XAB :: MDV : KBT :: RNT : ?

**Ans** ☒ 1. PLR  
☒ 2. POT  
☒ 3. QRU  
☒ 4. PMR

Question ID : 75189713229

Option 1 ID : 75189752913

Option 2 ID : 75189752914

Option 3 ID : 75189752915

Option 4 ID : 75189752916

Status : Answered

Chosen Option : 1

**Q.58** Sonal was returning from her coaching class one evening just before sunset. She was waiting for the bus at a square, where she met her friend Shalini coming from the front. At that time, Shalini's shadow was directly falling on Sonal. In which direction was Shalini facing towards?

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

Question ID : **75189713629**

Option 1 ID : **75189754516**

Option 2 ID : **75189754513**

Option 3 ID : **75189754514**

Option 4 ID : **75189754515**

Status : **Answered**

Chosen Option : **4**

**Q.59** Aarush starts walking 9 m towards the north, then turns left and walks 17 m. He again turns left to walk 9 m. In which direction is he facing now? (All turns are 90 degree turns only)

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

Question ID : **75189714249**

Option 1 ID : **75189756994**

Option 2 ID : **75189756993**

Option 3 ID : **75189756996**

Option 4 ID : **75189756995**

Status : **Answered**

Chosen Option : **4**

**Q.60** The 6-digit number 473 xy 5 is divisible by 125. How many such 6-digit numbers are there?

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

Question ID : **75189712611**

Option 1 ID : **75189750443**

Option 2 ID : **75189750444**

Option 3 ID : **75189750441**

Option 4 ID : **75189750442**

Status : **Answered**

Chosen Option : **2**

Q.61 Who among the following won a gold at the IWF Junior World Championships in May 2022?

- Ans
- ☐ 1. Anjali Patel
  - ☐ 2. Mirabai Chanu
  - ☐ 3. Archita Serali
  - ☒ 4. Harshada Sharad

Question ID : 75189712544

Option 1 ID : 75189750176

Option 2 ID : 75189750174

Option 3 ID : 75189750175

Option 4 ID : 75189750173

Status : Not Attempted and  
Marked For Review

Chosen Option : --

Q.62 Carbon compounds that are linked by only a single bond are known as \_\_\_\_\_.

- Ans
- ☐ 1. both saturated and unsaturated compounds
  - ☐ 2. neither saturated nor unsaturated compounds
  - ☐ 3. unsaturated compounds
  - ☒ 4. saturated compounds

Question ID : 75189714707

Option 1 ID : 75189758827

Option 2 ID : 75189758828

Option 3 ID : 75189758826

Option 4 ID : 75189758825

Status : Answered

Chosen Option : 1

Q.63 What is non-tax revenue?

- Ans
- ☐ 1. Any liabilities for the government

☒ 2.

Recurring income earned by the government from sources other than taxes

☐ 3.

Financial help in the form of grants, gifts from foreign governments and international organisations

☐ 4.

Income earned by the government through the public sector units only

Question ID : 7518978878

Option 1 ID : 75189735511

Option 2 ID : 75189735509

Option 3 ID : 75189735512

Option 4 ID : 75189735510

Status : Answered

Chosen Option : 3



**Q.64** Refer to the following letter, symbol series and answer the question.

L J + K - Y % T # U P

How many symbols are there which are immediately preceded by a letter and also immediately followed by a letter?

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

Question ID : 75189713616

Option 1 ID : 75189754462

Option 2 ID : 75189754461

Option 3 ID : 75189754463

Option 4 ID : 75189754464

Status : Answered

Chosen Option : 4

**Q.65** An aqueous solution of sodium chloride is known as?

- Ans**
- ☒ 1. brine
  - ☒ 2. Caustic soda
  - ☒ 3. lime
  - ☒ 4. Lime stone

Question ID : 75189710363

Option 1 ID : 75189741450

Option 2 ID : 75189741451

Option 3 ID : 75189741449

Option 4 ID : 75189741452

Status : Answered

Chosen Option : 1

**Q.66** Rashmika had to travel 612 km in a car travelling at a certain speed. If she reached her destination in 9 hours, find the speed of the car.

- Ans**
- ☒ 1. 60 km/h
  - ☒ 2. 65 km/h
  - ☒ 3. 70 km/h
  - ☒ 4. 68 km/h

Question ID : 75189712973

Option 1 ID : 75189751889

Option 2 ID : 75189751890

Option 3 ID : 75189751892

Option 4 ID : 75189751891

Status : Answered

Chosen Option : 4

Q.67 Which of the following is an example of double displacement reaction?

- Ans
- ☒ 1.  $\text{CaO (s)} + \text{H}_2\text{O (l)} \longrightarrow \text{Ca(OH)}_2 \text{ (aq)} + \text{Heat}$
  - ☒ 2.  $\text{CaO (s)} + \text{H}_2\text{O (l)} \longrightarrow \text{Ca(OH)}_2 \text{ (aq)} + \text{Heat}$
  - ☒ 3.  $2\text{FeSO}_4 \text{ (s)} \longrightarrow \text{Fe}_2\text{O}_3 \text{ (s)} + \text{SO}_2 \text{ (g)} + \text{SO}_3 \text{ (g)}$
  - ☒ 4.  $\text{Na}_2\text{SO}_4 \text{ (aq)} + \text{BaCl}_2 \text{ (aq)} \longrightarrow \text{BaSO}_4 \text{ (s)} + 2\text{NaCl (s)}$

Question ID : 75189714671

Option 1 ID : 75189758683

Option 2 ID : 75189758681

Option 3 ID : 75189758682

Option 4 ID : 75189758684

Status : Answered

Chosen Option : 4

Q.68 In a queue, Rajul is 16<sup>th</sup> from the front end and Rekha is 4<sup>th</sup> from the rear end, and there are 5 people between them. How many people are there in the queue?

- Ans
- ☒ 1. 18
  - ☒ 2. 19
  - ☒ 3. 21
  - ☒ 4. 25

Question ID : 75189711441

Option 1 ID : 75189745761

Option 2 ID : 75189745762

Option 3 ID : 75189745764

Option 4 ID : 75189745763

Status : Answered

Chosen Option : 4

Q.69 Amongst six friends A, B, C, D, E and F, each has a different height. B is taller than E but shorter than F. Only one person is shorter than C. Only three people are taller than A. E is not the shortest. Who is the tallest among all the friends?

- Ans
- ☒ 1. B
  - ☒ 2. A
  - ☒ 3. D
  - ☒ 4. F

Question ID : 75189713159

Option 1 ID : 75189752636

Option 2 ID : 75189752633

Option 3 ID : 75189752635

Option 4 ID : 75189752634

Status : Answered

Chosen Option : 4

**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 Locks are Blocks.  
Some Blocks are Toys.  
Some Toys are Dolls.

**Conclusions:**

(I) Some Locks are Toys.  
(II) Some Blocks are Dolls.

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

✗ 2. Only conclusion (I) follows.

✗ 3. Both conclusions (I) and (II) follow.

✗ 4. Only conclusion (II) follows.

Question ID : 75189714603

Option 1 ID : 75189758412

Option 2 ID : 75189758409

Option 3 ID : 75189758411

Option 4 ID : 75189758410

Status : Answered

Chosen Option : 1

**Q.71** Two statement are given below, followed by four conclusions given in the options. Find out which conclusion is true based on the given statements.

Statement:  $T < P < Q$ ,  $N < M < S < T$

**Ans** ✓ 1.  $N < Q$

✗ 2.  $Q < S$

✗ 3.  $P < M$

✗ 4.  $P < N$

Question ID : 7518979730

Option 1 ID : 75189738920

Option 2 ID : 75189738918

Option 3 ID : 75189738917

Option 4 ID : 75189738919

Status : Answered

Chosen Option : 1

Q.72 \_\_\_\_\_ is a device used for varying the resistance of an electrical circuit.

- Ans
- ☐ 1. Voltmeter
  - ☐ 2. Galvanometer
  - ☐ 3. Ammeter
  - ☒ 4. Rheostat

Question ID : 75189713779

Option 1 ID : 75189755113

Option 2 ID : 75189755116

Option 3 ID : 75189755114

Option 4 ID : 75189755115

Status : Answered

Chosen Option : 4

Q.73 Oxides of which of the following elements CANNOT be reduced by  $H_2$ , CO and C?

- Ans
- ☐ 1. Pb
  - ☒ 2. Ca
  - ☐ 3. Fe
  - ☐ 4. Cu

Question ID : 75189713967

Option 1 ID : 75189755867

Option 2 ID : 75189755865

Option 3 ID : 75189755866

Option 4 ID : 75189755868

Status : Answered

Chosen Option : 2

Q.74 The Pradhan Mantri Shram Yogi Maandhan Yojana (PM-SYM) is aimed at providing:

- Ans
- ☒ 1. protection for old age unorganized workers
  - ☐ 2. loans for small farmers
  - ☐ 3. protection for girls against dowry exploitation
  - ☐ 4. education subsidies to students in professional education

Question ID : 75189712456

Option 1 ID : 75189749824

Option 2 ID : 75189749821

Option 3 ID : 75189749823

Option 4 ID : 75189749822

Status : Answered

Chosen Option : 1

Q.75 Three numbers are in the ratio 3 : 5 : 7 and their LCM is 5250. What is the middle number?

- Ans
- ☒ 1. 150
  - ☒ 2. 250
  - ☒ 3. 200
  - ☒ 4. 350

Question ID : 75189713282

Option 1 ID : 75189753126

Option 2 ID : 75189753128

Option 3 ID : 75189753125

Option 4 ID : 75189753127

Status : Answered

Chosen Option : 2

Q.76 Who inaugurated the University Grants Commission (UGC)?

- Ans
- ☒ 1. Dr. S Radhakrishnan
  - ☒ 2. Dr. BR Ambedkar
  - ☒ 3. Maulana Abul Kalam Azad
  - ☒ 4. Pandit Jawaharlal Nehru

Question ID : 75189712528

Option 1 ID : 75189750109

Option 2 ID : 75189750112

Option 3 ID : 75189750110

Option 4 ID : 75189750111

Status : Not Attempted and  
Marked For Review

Chosen Option : --

Q.77 As on 30<sup>th</sup> June 2022, how many Schedules are there in the Indian Constitution?

- Ans
- ☒ 1. 22
  - ☒ 2. 395
  - ☒ 3. 8
  - ☒ 4. 12

Question ID : 75189712417

Option 1 ID : 75189749667

Option 2 ID : 75189749668

Option 3 ID : 75189749665

Option 4 ID : 75189749666

Status : Answered

Chosen Option : 4

**Q.78** Select the option 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/deleting/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)

(289,192,95)

(375,278,181)

- Ans**
- ☒ 1. (421,324,225)
  - ☒ 2. (421,324,227)
  - ☒ 3. (420,324,227)
  - ☒ 4. (421,322,227)

Question ID : 75189713713

Option 1 ID : 75189754852

Option 2 ID : 75189754850

Option 3 ID : 75189754849

Option 4 ID : 75189754851

Status : Not Answered

Chosen Option : --

**Q.79** Which of the following ensures that the air passage does NOT collapse during respiration?

- Ans**
- ☒ 1. Mucus
  - ☒ 2. Cilia
  - ☒ 3. Diaphragm
  - ☒ 4. Rings of cartilage

Question ID : 7518977827

Option 1 ID : 75189731307

Option 2 ID : 75189731308

Option 3 ID : 75189731305

Option 4 ID : 75189731306

Status : Answered

Chosen Option : 4

**Q.80** The Nehru Rozgar Yojana (NRY) was launched in which Five-Year Plan in India?

- Ans**
- ☒ 1. Second
  - ☒ 2. Fifth
  - ☒ 3. Seventh
  - ☒ 4. Ninth

Question ID : 75189712472

Option 1 ID : 75189749885

Option 2 ID : 75189749886

Option 3 ID : 75189749888

Option 4 ID : 75189749887

Status : Not Attempted and  
Marked For Review

Chosen Option : --

**Q.81** A certain number of people are sitting in a row, facing south. Neha sits fourth to the right of Shilu. Only four people sit between Neha and Kirti. Ram sits to the immediate right of Kirti. Only two persons sit between Kirti and Kunti. Alam sits third to the right of Kunti. If no other person is sitting in the row, what is the total number of persons seated?

- Ans**
- ✓ 1. 16
  - ✗ 2. 14
  - ✗ 3. 18
  - ✗ 4. 12

Question ID : **75189713081**

Option 1 ID : **75189752323**

Option 2 ID : **75189752322**

Option 3 ID : **75189752324**

Option 4 ID : **75189752321**

Status : **Answered**

Chosen Option : 1

**Q.82** What is the minimum monthly assured pension for a person after attaining the age of 60 years in the Pradhan Mantri Shram Yogi Maan-Dhan Yojana? (As of July 2022)

- Ans**
- ✗ 1. ₹4,000
  - ✗ 2. ₹1,500
  - ✗ 3. ₹5,000
  - ✓ 4. ₹3,000

Question ID : **75189715074**

Option 1 ID : **75189760294**

Option 2 ID : **75189760296**

Option 3 ID : **75189760293**

Option 4 ID : **75189760295**

Status : **Answered**

Chosen Option : 4

**Q.83** Five friends, Q,R,S,T, and U are sitting around a circular table facing the centre. U is the immediate neighbour of Q and S. T is second to the left of U and an immediate neighbour of both R and S. Where is R seated?

- Ans**
- ✗ 1. To the immediate right of T
  - ✗ 2. Second to the left of U
  - ✓ 3. Third to the left of U
  - ✗ 4. Third to the left of S

Question ID : **75189714891**

Option 1 ID : **75189759561**

Option 2 ID : **75189759562**

Option 3 ID : **75189759564**

Option 4 ID : **75189759563**

Status : **Answered**

Chosen Option : 3

**Q.84** Read the given statement 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 statement.

Statement:

Prices of pulses have doubled in the last 15 days due to shortages artificially created by large-scale hoarding by a few traders.

Conclusions:

- I. Hoarding is the only factor that leads to an increase in the price of pulses
- II. Fifteen days ago, there was no shortage in availability of pulses

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

Question ID : 75189713504

Option 1 ID : 75189754014

Option 2 ID : 75189754015

Option 3 ID : 75189754016

Option 4 ID : 75189754013

Status : Answered

Chosen Option : 2

**Q.85** If 3 is added to each odd digit and 2 is subtracted from each even digit in the number 6452851, what will be difference between the largest and smallest digits thus formed?

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

Question ID : 75189713060

Option 1 ID : 75189752237

Option 2 ID : 75189752239

Option 3 ID : 75189752238

Option 4 ID : 75189752240

Status : Answered

Chosen Option : 4



**Q.86** Many unicellular algae like *Chlamydomonas* live in water. How do they take in oxygen for respiration?

- Ans**
- ☒ 1. They have tiny openings (spiracles) to take in gases.
  - ☒ 2. They live via anaerobic respiration.
  - ☒ 3. They store oxygen evolved via photosynthesis in their vacuoles.
  - ☒ 4. They absorb dissolved oxygen via diffusion like *Amoeba*.

Question ID : 75189712250

Option 1 ID : 75189748998

Option 2 ID : 75189749000

Option 3 ID : 75189748999

Option 4 ID : 75189748997

Status : Answered

Chosen Option : 3

**Q.87** As per National Mineral Inventory data 2015, which state of India has the highest reserves of gold ore (primary)?

- Ans**
- ☒ 1. Karnataka
  - ☒ 2. Andhra Pradesh
  - ☒ 3. Bihar
  - ☒ 4. Maharashtra

Question ID : 7518979411

Option 1 ID : 75189737643

Option 2 ID : 75189737641

Option 3 ID : 75189737642

Option 4 ID : 75189737644

Status : Answered

Chosen Option : 1

**Q.88** If 2 is a root of the equation  $x^2 - px + 6 = 0$  and the quadratic equation  $x^2 + 2px + q = 0$  has equal roots, then the value of q is:

- Ans**
- ☒ 1. 25
  - ☒ 2. 36
  - ☒ 3. 12
  - ☒ 4. 16

Question ID : 75189712849

Option 1 ID : 75189751395

Option 2 ID : 75189751396

Option 3 ID : 75189751393

Option 4 ID : 75189751394

Status : Answered

Chosen Option : 1

**Q.89** Which of the following options is the closest approximate value which will come in place of the question mark (?) in the following equation?

$$75.02 \div 16.89 \times 13.47 + 749.98 - 79.29 = ?$$

- Ans**
- ☒ 1. 622
  - ☒ 2. 795
  - ☒ 3. 727
  - ☒ 4. 532

Question ID : 75189713239

Option 1 ID : 75189752953

Option 2 ID : 75189752956

Option 3 ID : 75189752955

Option 4 ID : 75189752954

Status : Answered

Chosen Option : 3

**Q.90** If one-third of a number is 6 more than the number itself, then find the number.

- Ans**
- ☒ 1. -5
  - ☒ 2. -9
  - ☒ 3. -7
  - ☒ 4. -6

Question ID : 75189713004

Option 1 ID : 75189752016

Option 2 ID : 75189752014

Option 3 ID : 75189752013

Option 4 ID : 75189752015

Status : Answered

Chosen Option : 2

**Q.91** In an electric motor, the direction of flow of current is reversed using:

- Ans**
- ☒ 1. a motor brush
  - ☒ 2. armature winding
  - ☒ 3. a split ring
  - ☒ 4. a carbon brush

Question ID : 75189713875

Option 1 ID : 75189755497

Option 2 ID : 75189755499

Option 3 ID : 75189755498

Option 4 ID : 75189755500

Status : Answered

Chosen Option : 4

Q.92 The surface area of a  $12\text{ cm} \times 6\text{ cm} \times 4\text{ cm}$  brick is:

- Ans
- ☒ 1.  $274\text{ cm}^2$
  - ☒ 2.  $296\text{ cm}^2$
  - ☒ 3.  $288\text{ cm}^2$
  - ☒ 4.  $312\text{ cm}^2$

Question ID : 75189712869

Option 1 ID : 75189751473

Option 2 ID : 75189751475

Option 3 ID : 75189751474

Option 4 ID : 75189751476

Status : Answered

Chosen Option : 3

Q.93 What is the area of a regular hexagon the length of each of whose sides is  $4\text{ cm}$ ?

- Ans
- ☒ 1.  $24\sqrt{3}\text{ cm}^2$
  - ☒ 2.  $27\sqrt{3}\text{ cm}^2$
  - ☒ 3.  $25\sqrt{3}\text{ cm}^2$
  - ☒ 4.  $26\sqrt{3}\text{ cm}^2$

Question ID : 75189712856

Option 1 ID : 75189751421

Option 2 ID : 75189751424

Option 3 ID : 75189751422

Option 4 ID : 75189751423

Status : Answered

Chosen Option : 1

Q.94 Who was the captain of the Lucknow Super Giants in the fifteenth edition of the Indian Premier League (IPL)?

- Ans
- ☒ 1. Kane Williamson
  - ☒ 2. Rishabh Pant
  - ☒ 3. KL Rahul
  - ☒ 4. Hardik Pandya

Question ID : 75189712117

Option 1 ID : 75189748466

Option 2 ID : 75189748468

Option 3 ID : 75189748467

Option 4 ID : 75189748465

Status : Answered

Chosen Option : 3

**Q.95** The measure of  $\angle OQR = 48^\circ$ . Point V lies on OQ,  $VT \parallel QR$  and S is a point in the interior of  $\angle OQR$  such that V, S and T are collinear and S lies in between V and T. P is also a point on OQ, such that P lies in between O and V, and  $m\angle PST = 120^\circ$ . What is the measure of the complement of  $\angle QPS$ ?

- Ans**
- ☒ 1.  $32^\circ$
  - ☒ 2.  $28^\circ$
  - ☒ 3.  $18^\circ$
  - ☒ 4.  $22^\circ$

Question ID : **75189712656**

Option 1 ID : **75189750624**

Option 2 ID : **75189750623**

Option 3 ID : **75189750621**

Option 4 ID : **75189750622**

Status : **Answered**

Chosen Option : **3**

**Q.96** The appearance of a stick at the interface when immersed in water is an example of \_\_\_\_\_.

- Ans**
- ☒ 1. displacement of light
  - ☒ 2. reflection of light
  - ☒ 3. refraction of light
  - ☒ 4. transmission of light

Question ID : **75189713762**

Option 1 ID : **75189755048**

Option 2 ID : **75189755045**

Option 3 ID : **75189755046**

Option 4 ID : **75189755047**

Status : **Answered**

Chosen Option : **3**

**Q.97** Simplify the given expression.

$$4\left(\frac{3}{2}x^2 - 4x + 3\right) - \frac{1}{2}(4x^2 + 8x - 18)$$

- Ans**
- ☒ 1.  $4x^2 - 20x + 21$
  - ☒ 2.  $4x^2 + 20x - 21$
  - ☒ 3.  $4x^2 + 20x + 21$
  - ☒ 4.  $4x^2 - 20x - 21$

Question ID : **75189712998**

Option 1 ID : **75189751989**

Option 2 ID : **75189751991**

Option 3 ID : **75189751992**

Option 4 ID : **75189751990**

Status : **Answered**

Chosen Option : **1**

**Q.98** Which continent will suffer the most from global warming in terms of the number of people affected?

- Ans
- ☐ 1. North America; Arctic ice melt
  - ☐ 2. Antarctica; ocean warming
  - ☒ 3. Asia; oceans will rise
  - ☐ 4. Europe; urban flooding

Question ID : 75189712308

Option 1 ID : 75189749230

Option 2 ID : 75189749232

Option 3 ID : 75189749229

Option 4 ID : 75189749231

Status : Answered

Chosen Option : 3

**Q.99** Simplify the given expression.

$$(x^2 + xy + y^2)^2 - (x^2 - xy + y^2)^2$$

- Ans
- ☒ 1.  $4xy(x^2 + y^2)$
  - ☐ 2.  $4xy(x^2 - y^2)$
  - ☐ 3.  $2xy(x^2 - y^2)$
  - ☐ 4.  $2xy(x^2 + y^2)$

Question ID : 75189711772

Option 1 ID : 75189747085

Option 2 ID : 75189747087

Option 3 ID : 75189747088

Option 4 ID : 75189747086

Status : Answered

Chosen Option : 1

**Q.100** Is there a visible difference between sperms which contain X chromosomes and sperms which contain Y chromosomes?

- Ans
- ☐ 1. No, there is no difference in size but there is difference in motility
  - ☒ 2. No, there is no difference in size or motility.
  - ☐ 3. Yes, the Y-containing sperms are more motile.
  - ☐ 4. Yes, the X-containing sperms are larger.

Question ID : 75189712300

Option 1 ID : 75189749199

Option 2 ID : 75189749200

Option 3 ID : 75189749198

Option 4 ID : 75189749197

Status : Answered

Chosen Option : 2