



RRB GROUP - D **SHIFT - 3 (17-09-2022)**

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Test Date	17/09/2022
Test Time	5:00 PM - 6:30 PM
Subject	Level 1

**\* Note**

Correct Answer will carry 1 mark per Question.

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

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

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

Section : Level 1

**Q.1** An electric lamp of  $30\ \Omega$  resistance and a conductor of  $6\ \Omega$  resistance are connected in series to a 6 V battery. The total resistance of the circuit is:

- Ans
- 1.  $30\ \Omega$
  - 2.  $36\ \Omega$
  - 3.  $24\ \Omega$
  - 4.  $42\ \Omega$



Question ID : 75189711331  
Option 1 ID : 75189745322  
Option 2 ID : 75189745323  
Option 3 ID : 75189745321  
Option 4 ID : 75189745324  
Status : Answered  
Chosen Option : 2

**Q.2** Evaluate  $23^3 + (-11)^3 + (-12)^3$ .

- Ans
- 1. 9108
  - 2. 8708
  - 3. 8908
  - 4. 8608

Question ID : 7518979985  
Option 1 ID : 75189739937  
Option 2 ID : 75189739939  
Option 3 ID : 75189739938  
Option 4 ID : 75189739940  
Status : Answered  
Chosen Option : 1

Q.3 Which of the following is NOT a capital receipt?

- Ans
- 1. Recovery of loans
  - 2. Borrowings from other countries
  - 3. Sale of public sector undertaking
  - 4. Interest received on loans

Question ID : 7518976804

Option 1 ID : 75189727215

Option 2 ID : 75189727213

Option 3 ID : 75189727216

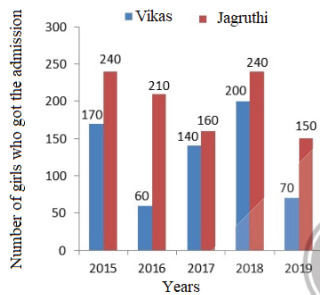
Option 4 ID : 75189727214

Status : Not Attempted and  
Marked For Review

Chosen Option : --

Q.4 Study the graph and answer the question that follows.

The following bar graph shows the total numbers of girls who got the admission in two degree colleges Vikas and Jagruthi from 2015 to 2019 are given.



What is the ratio between total girl students in 2016 to the total girl students in 2019 of both degree colleges?

- Ans
- 1. 27 : 22
  - 2. 29 : 12
  - 3. 25 : 21
  - 4. 31 : 11

Question ID : 75189711655

Option 1 ID : 75189746620

Option 2 ID : 75189746618

Option 3 ID : 75189746617

Option 4 ID : 75189746619

Status : Answered

Chosen Option : 1

**Q.5** Red cabbage is a natural indicator which gives different colour when mixed with an acid or a base. Identify the change in colour when it is mixed with an alkaline solution.

- Ans**
- 1. Reddish brown
  - 2. Orange
  - 3. Pale pink
  - 4. Bluish green

Question ID : 75189710356

Option 1 ID : 75189741423

Option 2 ID : 75189741422

Option 3 ID : 75189741424

Option 4 ID : 75189741421

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

Chosen Option : --

**Q.6** Which of the following states has the largest deposits of jet black granite?

- Ans**
- 1. Madhya Pradesh
  - 2. Karnataka
  - 3. Odisha
  - 4. Rajasthan

Question ID : 75189710589

Option 1 ID : 75189742354

Option 2 ID : 75189742355

Option 3 ID : 75189742356

Option 4 ID : 75189742353

Status : **Marked For Review**

Chosen Option : 4

**Q.7** The President can nominate not more than \_\_\_\_\_ members from the Anglo-Indian community if he/she feels that the said community is not adequately represented in the House of the people.

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

Question ID : 75189710497

Option 1 ID : 75189741986

Option 2 ID : 75189741987

Option 3 ID : 75189741988

Option 4 ID : 75189741985

Status : **Answered**

Chosen Option : 4

Q.8 The Village and Small-Scale Industries Committee, passed in 1955, which noted the possibility of using small-scale industries for promoting rural development, is also known as \_\_\_\_\_.

- Ans
- 1. The Kothari Committee
  - 2. The Abid Hussain Committee
  - 3. The Nayak Committee
  - 4. The Karve Committee

Question ID : 75189710469  
Option 1 ID : 75189741874  
Option 2 ID : 75189741875  
Option 3 ID : 75189741873  
Option 4 ID : 75189741876  
Status : Not Attempted and Marked For Review  
Chosen Option : --

Q.9 Warts are caused by:

- Ans
- 1. algae
  - 2. fungus
  - 3. virus
  - 4. bacterium

Question ID : 75189710226  
Option 1 ID : 75189740904  
Option 2 ID : 75189740901  
Option 3 ID : 75189740903  
Option 4 ID : 75189740902  
Status : Marked For Review  
Chosen Option : 2

Q.10 തന്നിരിക്കുന്നവയിൽ ഏതാണ് ഇന്ത്യയിലെ നഗര തദ്ദേശീയ ഭരണകൂടത്തിന്റെ ഭാഗം?

- Ans
- 1. ജില്ലാ പരിഷത്ത്
  - 2. പഞ്ചായത്ത് സമിതി
  - 3. നഗര പഞ്ചായത്ത്
  - 4. ഗ്രാമ പഞ്ചായത്ത്

Question ID : 7518978610  
Option 1 ID : 75189734439  
Option 2 ID : 75189734438  
Option 3 ID : 75189734440  
Option 4 ID : 75189734437  
Status : Marked For Review  
Chosen Option : 3

**Q.11** Refer to the number and symbol series, and answer the question that follows.

(Left) 6 % 7 & 9 4 3 @ 2 8 \* 3 # 9 & 2 (Right)

How many symbols are there between the third element from the right end and the fourth element from the left end of the given series?

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

Question ID : 75189711041  
Option 1 ID : 75189744162  
Option 2 ID : 75189744163  
Option 3 ID : 75189744164  
Option 4 ID : 75189744161  
Status : Answered  
Chosen Option : 1

**Q.12** \_\_\_\_\_ is a skill training program launched by Microsoft in collaboration with Ministry of Labour and Employment (MoLE) of India in September 2021.

- Ans**
- ✗ 1. DigiUday
  - ✗ 2. DigiSmart
  - ✗ 3. DigiUtkarsh
  - ✓ 4. DigiSaksham

Question ID : 7518973966  
Option 1 ID : 75189715861  
Option 2 ID : 75189715863  
Option 3 ID : 75189715862  
Option 4 ID : 75189715864  
Status : Not Attempted and Marked For Review  
Chosen Option : --

**Q.13** Study the following table carefully and answer the questions based on it.

The table below shows the number of Air coolers sold on different days by five different stores in a city.

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
P	45	40	28	48	20	20	24
Q	92	90	12	27	16	26	98
R	36	80	13	30	38	47	62
S	46	60	64	12	52	76	34
T	18	48	69	58	80	15	10

What is the average of number of Air coolers sold by the store Q on Thursday, store T on Saturday and store S on Tuesday?

- Ans**
- ✓ 1. 34
  - ✗ 2. 52
  - ✗ 3. 24
  - ✗ 4. 44

Question ID : 75189711661  
Option 1 ID : 75189746643  
Option 2 ID : 75189746644  
Option 3 ID : 75189746642  
Option 4 ID : 75189746641  
Status : Answered  
Chosen Option : 1

**Q.14** Five years hence the age of Ramesh will be three times the then age of his son, and 5 years ago his age was seven times the then age of his son. Ramesh's present age (in years) is:

- Ans**
- 1. 38
  - 2. 40
  - 3. 42
  - 4. 44

Question ID : 75189710000  
Option 1 ID : 75189739997  
Option 2 ID : 75189739998  
Option 3 ID : 75189739999  
Option 4 ID : 75189740000  
Status : Answered  
Chosen Option : 2

**Q.15** A certain number of class XII students are standing together; each are of different weights. When their weights are compared, Adya is heavier than Dilipa, but lighter than Fiya. Charu is lighter than Esha and heavier than Bidan, who is heavier than Fiya. Only one student is heavier than Esha. Only two students are lighter than Dilipa. If no other student is part of the group, what is the total number of students in the group?

- Ans**
- 1. Nine
  - 2. Seven
  - 3. Six
  - 4. Ten

Question ID : 75189711465  
Option 1 ID : 75189745860  
Option 2 ID : 75189745859  
Option 3 ID : 75189745858  
Option 4 ID : 75189745857  
Status : Answered  
Chosen Option : 1

**Q.16** Which of the following options is the closest approximate value which will come in place of question mark(?) in the following equation?

$$23.96 + 24.96 + 23.16 - 18.89 \times 3.04 + 36.13 + 6.1 = ?$$

- Ans**
- 1. 25
  - 2. 27
  - 3. 21
  - 4. 23

Question ID : 7518978326  
Option 1 ID : 75189733304  
Option 2 ID : 75189733301  
Option 3 ID : 75189733302  
Option 4 ID : 75189733303  
Status : Answered  
Chosen Option : 3

**Q.17** A bus is moving at a speed of 84 km/h. If its speed is reduced by 12%, the new speed of the bus (in km/h) will be:

- Ans**
- 1. 72.92
  - 2. 71.92
  - 3. 73.92
  - 4. 70.92

Question ID : 7518979920  
Option 1 ID : 75189739679  
Option 2 ID : 75189739678  
Option 3 ID : 75189739680  
Option 4 ID : 75189739677  
Status : Answered  
Chosen Option : 3

**Q.18** In which state from following, we can see the local wind 'Loo' in summer season from following?

- Ans**
- 1. Assam
  - 2. Rajasthan
  - 3. Maharashtra
  - 4. Telangana

Question ID : 75189710474  
Option 1 ID : 75189741893  
Option 2 ID : 75189741894  
Option 3 ID : 75189741896  
Option 4 ID : 75189741895  
Status : Answered  
Chosen Option : 2

**Q.19** The population of a town in 1980 was 2,25,000. If its population increased in two successive decades by 10% in each decade, the population of the town in 2000 was:

- Ans**
- 1. 2,72,250
  - 2. 2,72,450
  - 3. 2,72,350
  - 4. 2,72,150

Question ID : 7518979922  
Option 1 ID : 75189739686  
Option 2 ID : 75189739688  
Option 3 ID : 75189739687  
Option 4 ID : 75189739685  
Status : Answered  
Chosen Option : 1



**Q.20** 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	*	2	@	5	^	+	7	#	%	9
Letter code	J	P	A	F	D	N	R	K	M	Z

Conditions:

(i) If the first element is a symbol and the last, a number, the codes for these two (the first and the last elements) are to be interchanged.

(ii) If the first element is an odd number and the last, an even number, the first and last elements are to be coded as S.

Which of the following will be the code for  $+ 5 \wedge 9 \# 2$  ?

- Ans
- 1. NDFZKP
  - 2. NFDZKP
  - 3. FDZKPN
  - 4. PFDZKN

Question ID : 75189710881  
 Option 1 ID : 75189743522  
 Option 2 ID : 75189743524  
 Option 3 ID : 75189743521  
 Option 4 ID : 75189743523  
 Status : Answered  
 Chosen Option : 4

**Q.21** Refer to the following letter series and answer the question.

(Left) Q A Y S R E Z I L X B O P A R D I H O U K (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. Two
  - 2. One
  - 3. Three
  - 4. Four

Question ID : 75189711538  
 Option 1 ID : 75189746150  
 Option 2 ID : 75189746149  
 Option 3 ID : 75189746151  
 Option 4 ID : 75189746152  
 Status : Answered  
 Chosen Option : 3

**Q.22** If the diameter of a sphere is 12 cm, then find the volume of the sphere. [Use  $\pi = \frac{22}{7}$ ]

- Ans**
- 1.  $906\frac{6}{7} \text{ cm}^3$
  - 2.  $908\frac{2}{7} \text{ cm}^3$
  - 3.  $907\frac{4}{7} \text{ cm}^3$
  - 4.  $905\frac{1}{7} \text{ cm}^3$

Question ID : 75189711213  
Option 1 ID : 75189744850  
Option 2 ID : 75189744852  
Option 3 ID : 75189744851  
Option 4 ID : 75189744849  
Status : Answered  
Chosen Option : 4

**Q.23** A statement is followed by two conclusions. Find out which conclusion is true based on the given statement.

**Statement:**  
 $Q < A < B \leq C > D > E \geq F$

**Conclusions:**  
I.  $F < C$   
II.  $D < A$

- Ans**
- 1. Only conclusion II is true
  - 2. Both conclusions I and II are true
  - 3. Only conclusion I is true
  - 4. Neither conclusion I nor II is true

Question ID : 75189711505  
Option 1 ID : 75189746018  
Option 2 ID : 75189746020  
Option 3 ID : 75189746017  
Option 4 ID : 75189746019  
Status : Answered  
Chosen Option : 3

**Q.24** Each of the digits in the number 56137428 is arranged in ascending order from left to right. What will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

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

Question ID : 75189711637  
Option 1 ID : 75189746548  
Option 2 ID : 75189746545  
Option 3 ID : 75189746547  
Option 4 ID : 75189746546  
Status : Answered  
Chosen Option : 1

Q.25 The roots of the quadratic equation  $x + \frac{10}{x} = 7$  are:

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

Question ID : 75189711208  
Option 1 ID : 75189744830  
Option 2 ID : 75189744832  
Option 3 ID : 75189744831  
Option 4 ID : 75189744829  
Status : Answered  
Chosen Option : 2

Q.26 Which of the following numbers will replace the question mark (?) in the given series?

1, 8, 7, 14, 13, 20, 19, 26, 25, ?

- Ans
- 1. 30
  - 2. 32
  - 3. 31
  - 4. 29

Question ID : 75189711608  
Option 1 ID : 75189746430  
Option 2 ID : 75189746432  
Option 3 ID : 75189746431  
Option 4 ID : 75189746429  
Status : Answered  
Chosen Option : 2

Q.27 Using the fact that  $4515 \div 12.9 = 350$ , find the value of  $4.515 \div 12.9$ ?

- Ans
- 1. 35
  - 2. 3.5
  - 3. 0.035
  - 4. 0.35

Question ID : 75189711388  
Option 1 ID : 75189745549  
Option 2 ID : 75189745550  
Option 3 ID : 75189745552  
Option 4 ID : 75189745551  
Status : Answered  
Chosen Option : 4

**Q.28** 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. EXAMPLE: 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)

(12, 8, 90)

(8, 8, 58)

Ans  1. (11, 7, 72)

2. (13, 7, 85)

3. (9, 8, 78)

4. (5, 8, 30)

Question ID : 75189711622

Option 1 ID : 75189746486

Option 2 ID : 75189746485

Option 3 ID : 75189746487

Option 4 ID : 75189746488

Status : Answered

Chosen Option : 2

**Q.29** The Baisakhi festival in India marks the birth of Khalsa Panth under Guru Gobind Singh, the \_\_\_\_\_ Guru of Sikhs, in the year 1699.

Ans  1. 9<sup>th</sup>

2. 10<sup>th</sup>

3. 8<sup>th</sup>

4. 7<sup>th</sup>

Question ID : 7518979378

Option 1 ID : 75189737511

Option 2 ID : 75189737512

Option 3 ID : 75189737510

Option 4 ID : 75189737509

Status : Not Attempted and  
Marked For Review

Chosen Option : --

**Q.30** What does 'Barchans' (Barkhans) refer to?

Ans  1. Type of hut in deserts

2. Shrub in desert

3. Hot winds in desert

4. Sand dune

Question ID : 7518977540

Option 1 ID : 75189730158

Option 2 ID : 75189730157

Option 3 ID : 75189730160

Option 4 ID : 75189730159

Status : Marked For Review

Chosen Option : 4

**Q.31** A trader offers a discount of 10% on an article if a customer makes the payment in cash. How much percentage above the cost price should he mark the article to make a profit of 10%? [Give your answer correct to 2 decimal places.]

- Ans**
- 1. 20.22%
  - 2. 15.22%
  - 3. 11.22%
  - 4. 22.22%

Question ID : 7518979956  
Option 1 ID : 75189739823  
Option 2 ID : 75189739822  
Option 3 ID : 75189739821  
Option 4 ID : 75189739824  
Status : Answered  
Chosen Option : 4

**Q.32** Shiv started from his office and walked 15 m towards the south. He then turned right and walked 20 m. He then turned right again and walked 15 m. He then turned left and walked another 15 m to reach the place where his car is parked. How far and in which direction is the car parked from the office?

- Ans**
- 1. 15 meters West
  - 2. 15 meters East
  - 3. 35 meters West
  - 4. 20 meters North

Question ID : 75189710894  
Option 1 ID : 75189743574  
Option 2 ID : 75189743573  
Option 3 ID : 75189743576  
Option 4 ID : 75189743575  
Status : Answered  
Chosen Option : 3

**Q.33** Which canal brought considerable greenery to Rajasthan?

- Ans**
- 1. Buckingham canal
  - 2. Agra canal
  - 3. Handri-Neeva canal
  - 4. Indira Gandhi canal

Question ID : 75189710296  
Option 1 ID : 75189741182  
Option 2 ID : 75189741181  
Option 3 ID : 75189741184  
Option 4 ID : 75189741183  
Status : Answered  
Chosen Option : 4

**Q.34** Each vowel in the word FRANTIC is changed to the letter following it in the English alphabetical order and each consonant is changed to the letter preceding it in the English alphabetical order. Which of the following letters will appear twice in the group of letters thus formed?

- Ans**
- 1. B
  - 2. R
  - 3. J
  - 4. Q

Question ID : 75189711686  
Option 1 ID : 75189746744  
Option 2 ID : 75189746743  
Option 3 ID : 75189746742  
Option 4 ID : 75189746741  
Status : Answered  
Chosen Option : 1

**Q.35** The value of  $[(k^a)^{b-c} \times (k^b)^{c-a} \times (k^c)^{a-b}] \times (x^0 - 1)$  is

- Ans**
- 1. 1
  - 2.  $a + b + c$
  - 3. 0
  - 4. abc

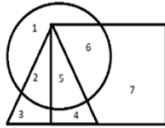
Question ID : 75189710687  
Option 1 ID : 75189742745  
Option 2 ID : 75189742747  
Option 3 ID : 75189742748  
Option 4 ID : 75189742746  
Status : Answered  
Chosen Option : 3

**Q.36** The sum of the ages of William and Brijesh is 20 years. Four years ago, Brijesh's age was half of William's then age. How old (in years) is William at present?

- Ans**
- 1. 10
  - 2. 12
  - 3. 6
  - 4. 8

Question ID : 75189710002  
Option 1 ID : 75189740006  
Option 2 ID : 75189740005  
Option 3 ID : 75189740008  
Option 4 ID : 75189740007  
Status : Answered  
Chosen Option : 2

**Q.37** Study the given diagram carefully and answer the question. The numbers in different sections indicate the number of persons. The circle represents 'doctors', the square represents 'men', and the triangle represents 'philanthropists'. How many philanthropists are there who are NEITHER men NOR doctors?



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

Question ID : 75189711486  
 Option 1 ID : 75189745941  
 Option 2 ID : 75189745942  
 Option 3 ID : 75189745943  
 Option 4 ID : 75189745944  
 Status : Answered  
 Chosen Option : 2

**Q.38** Under the Scheme for Protection and Preservation of Endangered Languages of India (SPPEL), the Central Institute of Indian Languages (CIIL) works on protection, preservation and documentation of all the mother tongues/languages of India spoken by less than \_\_\_\_\_ people, which are called endangered languages

- Ans
- 1. 10,000
  - 2. 5000
  - 3. 20,000
  - 4. 15,000

Question ID : 75189710439  
 Option 1 ID : 75189741754  
 Option 2 ID : 75189741753  
 Option 3 ID : 75189741756  
 Option 4 ID : 75189741755  
 Status : Marked For Review  
 Chosen Option : 1

**Q.39** In an electric circuit, where 3 lamps A, B and C of resistances  $10\ \Omega$ ,  $20\ \Omega$  and  $30\ \Omega$ , respectively, are in parallel and a battery of  $60\ \text{V}$  is applied across them, the total power dissipation in the circuit is:

- Ans
- 1. 620 W
  - 2. 560 W
  - 3. 700 W
  - 4. 660 W

Question ID : 75189711356  
 Option 1 ID : 75189745422  
 Option 2 ID : 75189745421  
 Option 3 ID : 75189745424  
 Option 4 ID : 75189745423  
 Status : Answered  
 Chosen Option : 4

Q.40 Which of the following numbers will replace the question mark (?) in the given series?

3, 1, 5, -1, 7, ?

- Ans
- 1. 9
  - 2. 2
  - 3. -3
  - 4. -2

Question ID : 75189711061  
Option 1 ID : 75189744243  
Option 2 ID : 75189744242  
Option 3 ID : 75189744244  
Option 4 ID : 75189744241  
Status : Answered  
Chosen Option : 3

Q.41 The mean marks of the following distribution is:

Marks obtained	No. of students
25	5
30	6
35	3
40	1

- Ans
- 1. 32
  - 2. 29
  - 3. 31
  - 4. 30

Question ID : 7518979970  
Option 1 ID : 75189739880  
Option 2 ID : 75189739877  
Option 3 ID : 75189739879  
Option 4 ID : 75189739878  
Status : Answered  
Chosen Option : 4

Q.42 Six persons, Aditya, Binod, Chaya, Dilshan, Estar and Fatima, travelled in different months of the same year viz. January, March, May, July, September and November. None of them travelled after Binod, who travelled immediately after Chaya. Only three people travelled before Estar. Aditya travelled immediately after Fatima. Dilshan did not travel in the month of May.

Who among them travelled in May?

- Ans
- 1. Fatima
  - 2. Estar
  - 3. Aditya
  - 4. Chaya

Question ID : 75189711453  
Option 1 ID : 75189745809  
Option 2 ID : 75189745811  
Option 3 ID : 75189745810  
Option 4 ID : 75189745812  
Status : Marked For F  
Chosen Option : 3



**Q.43** Six persons, A, B, C, D, E and F, travelled in different months of the same year, viz. January, March, May, July, September and November. None of them travelled after B, and he travels just after C. Only three people travelled before E. A travelled just after F. D did not travel in the month of May. Who among the following travelled in May?

- Ans**
- 1. F
  - 2. A
  - 3. C
  - 4. E

Question ID : 7518977307  
Option 1 ID : 75189729225  
Option 2 ID : 75189729226  
Option 3 ID : 75189729228  
Option 4 ID : 75189729227  
Status : **Marked For Review**  
Chosen Option : 2

**Q.44** What is the difference between the molecular masses of two successive members of the homologous series?

- Ans**
- 1. 8 u
  - 2. 12 u
  - 3. 6 u
  - 4. 14 u

Question ID : 75189710322  
Option 1 ID : 75189741287  
Option 2 ID : 75189741285  
Option 3 ID : 75189741288  
Option 4 ID : 75189741286  
Status : **Not Attempted and Marked For Review**  
Chosen Option : --

**Q.45** The site of complete digestion of carbohydrates, proteins and fat is:

- Ans**
- 1. the stomach
  - 2. the small intestine
  - 3. the rectum
  - 4. the large intestine

Question ID : 75189710190  
Option 1 ID : 75189740759  
Option 2 ID : 75189740757  
Option 3 ID : 75189740760  
Option 4 ID : 75189740758  
Status : **Answered**  
Chosen Option : 2

Q.46 According to Reserve Bank of India, which is a foreign Bank in India from following -

- Ans
- 1. YES Bank Ltd.
  - 2. Sonali Bank Ltd.
  - 3. IndusInd Bank Ltd
  - 4. DCB Bank Ltd.

Question ID : 75189710461  
Option 1 ID : 75189741844  
Option 2 ID : 75189741843  
Option 3 ID : 75189741842  
Option 4 ID : 75189741841  
Status : Not Attempted and Marked For Review  
Chosen Option : --

Q.47 The value of  $3 + 3 \times [(11 - 2) \div 3] - 2 \times 3$  is:

- Ans
- 1. 7
  - 2. 6
  - 3. 9
  - 4. 8

Question ID : 75189711183  
Option 1 ID : 75189744731  
Option 2 ID : 75189744732  
Option 3 ID : 75189744729  
Option 4 ID : 75189744730  
Status : Answered  
Chosen Option : 2

Q.48 An object is placed in front of a concave mirror of focal length 18 cm, at a distance of 12cm. The magnification produced by the mirror is \_\_\_\_\_.

- Ans
- 1. -0.6
  - 2. +3
  - 3. -3
  - 4. +0.6

Question ID : 7518976609  
Option 1 ID : 75189726433  
Option 2 ID : 75189726436  
Option 3 ID : 75189726435  
Option 4 ID : 75189726434  
Status : Answered  
Chosen Option : 4

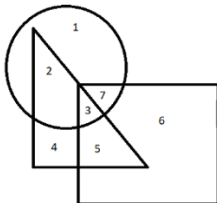
Q.49 Excess demand leads to:

- (A) inflationary gap.
- (B) rise in employment level.

- Ans
- 1. Neither A nor B
  - 2. Only A
  - 3. Both A and B
  - 4. Only B

Question ID : 7518976827  
Option 1 ID : 75189727308  
Option 2 ID : 75189727305  
Option 3 ID : 75189727307  
Option 4 ID : 75189727306  
Status : Not Attempted and Marked For Review  
Chosen Option : --

Q.50 Study the given diagram carefully and answer the question. The numbers in different sections indicate the number of persons. The circle represents 'hockey players', the square represents 'golf players', and the triangle represents 'badminton players'. How many persons are there who play both golf and hockey but NOT badminton?



- Ans
- 1. 6
  - 2. 7
  - 3. 5
  - 4. 4

Question ID : 75189711480  
Option 1 ID : 75189745918  
Option 2 ID : 75189745917  
Option 3 ID : 75189745919  
Option 4 ID : 75189745920  
Status : Answered  
Chosen Option : 2

**Q.51** Biodegradable plastics are the new industry for export as well as marketing. Some advantages of these plastics are mentioned below. Which option is NOT an advantage?

- Ans**
- 1. Easy to recycle
  - 2. Cannot be composted
  - 3. Less greenhouse emissions
  - 4. Consume less energy for manufacture

Question ID : 7518974676  
Option 1 ID : 75189718701  
Option 2 ID : 75189718703  
Option 3 ID : 75189718704  
Option 4 ID : 75189718702  
Status : Answered  
Chosen Option : 2

**Q.52** The length of a rectangular park is 22 m more than its breadth. Its area is  $1400 \text{ m}^2$ . Its breadth (in m) is:

- Ans**
- 1. 35
  - 2. 21
  - 3. 28
  - 4. 42

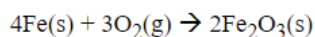
Question ID : 75189710014  
Option 1 ID : 75189740055  
Option 2 ID : 75189740053  
Option 3 ID : 75189740054  
Option 4 ID : 75189740056  
Status : Answered  
Chosen Option : 3

**Q.53** ₹ 2,000 is divided among A, B and C such that half of A's part, one-third of B's part and one-fifth of C's part are equal. What is A's part (in ₹)?

- Ans**
- 1. 200
  - 2. 600
  - 3. 1,000
  - 4. 400

Question ID : 7518979230  
Option 1 ID : 75189736917  
Option 2 ID : 75189736920  
Option 3 ID : 75189736918  
Option 4 ID : 75189736919  
Status : Answered  
Chosen Option : 4

Q.54 Which of the following substances is being oxidised in the given reaction?



Ans

- ✓ 1. Fe(s)
- ✗ 2. O<sub>2</sub>(g)
- ✗ 3. Both Fe(s) and Fe<sub>2</sub>O<sub>3</sub>(s)
- ✗ 4. Fe<sub>2</sub>O<sub>3</sub>(s)

Question ID : 75189711886  
Option 1 ID : 75189747541  
Option 2 ID : 75189747542  
Option 3 ID : 75189747544  
Option 4 ID : 75189747543  
Status : Answered  
Chosen Option : 1

Q.55 In April 2021 the Union Education Minister launched the world's first microsensor-based explosive trace detector called 'NanoSniffer'. NanoSniffer was developed by which IIT incubated startup?

Ans

- ✗ 1. IIT-Kharagpur
- ✓ 2. IIT-Bombay
- ✗ 3. IIT-Madras
- ✗ 4. IIT-Hyderabad

Question ID : 7518979364  
Option 1 ID : 75189737454  
Option 2 ID : 75189737453  
Option 3 ID : 75189737455  
Option 4 ID : 75189737456  
Status : Not Answered  
Chosen Option : --

Q.56 Find the value of  $[(12 \div 4) \times \{\frac{12}{3} + \frac{5}{3} \times (7 - 4)\}]$ .

Ans

- ✗ 1. 54
- ✗ 2. 45
- ✗ 3. 36
- ✓ 4. 27

Question ID : 7518979898  
Option 1 ID : 75189739589  
Option 2 ID : 75189739590  
Option 3 ID : 75189739591  
Option 4 ID : 75189739592  
Status : Answered  
Chosen Option : 4

**Q.57** If the digits of the number 2079816 are arranged in increasing order from left to right, what will be the middle digit?

- Ans
- 1. 8
  - 2. 6
  - 3. 2
  - 4. 7

Question ID : 7518979785  
Option 1 ID : 75189739140  
Option 2 ID : 75189739137  
Option 3 ID : 75189739138  
Option 4 ID : 75189739139  
Status : Answered  
Chosen Option : 2

**Q.58** Simplify the given expression.

$$\frac{0.068 \times 3.5 \times 12}{3.6 \times 0.17 \times 7}$$

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

Question ID : 75189711389  
Option 1 ID : 75189745554  
Option 2 ID : 75189745556  
Option 3 ID : 75189745553  
Option 4 ID : 75189745555  
Status : Answered  
Chosen Option : 3

**Q.59** Kamal is at a distance of 10 m south-west of Laxmi. If Mohit is 10 m south-east of Laxmi, then Mohit is in which direction with respect to Kamal?

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

Question ID : 75189711581  
Option 1 ID : 75189746324  
Option 2 ID : 75189746323  
Option 3 ID : 75189746321  
Option 4 ID : 75189746322  
Status : Answered  
Chosen Option : 3

**Q.60** Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

ULJ - POO - KLT  
LMF - GNK - BMP

- Ans**
- 1. PIO - KRT - FIY
  - 2. YVJ - UEO - QVT
  - 3. GTF - BGJ - GTN
  - 4. RGF - STK - TGP

Question ID : 75189710907  
Option 1 ID : 75189743627  
Option 2 ID : 75189743626  
Option 3 ID : 75189743625  
Option 4 ID : 75189743628  
Status : **Marked For Review**  
Chosen Option : 1

**Q.61** The marked price of an article is ₹150. The shopkeeper offers a discount of 20% on the purchase of the article. Thereby, he makes a profit of 25%. The cost price of the article is:

- Ans**
- 1. ₹96
  - 2. ₹72
  - 3. ₹120
  - 4. ₹144

Question ID : 7518979955  
Option 1 ID : 75189739818  
Option 2 ID : 75189739817  
Option 3 ID : 75189739819  
Option 4 ID : 75189739820  
Status : **Answered**  
Chosen Option : 1

**Q.62** When we observe the floor of a swimming pool filled with water we notice that the pool looks:

- Ans**
- 1. less deep than it actually is
  - 2. More wider than it actually is
  - 3. less wide than it actually is
  - 4. deeper than it actually is

Question ID : 7518979538  
Option 1 ID : 75189738152  
Option 2 ID : 75189738149  
Option 3 ID : 75189738150  
Option 4 ID : 75189738151  
Status : **Answered**  
Chosen Option : 1

**Q.63** A man spends 20% of his monthly salary on the rent of his house. If every month he also spends ₹600 on his conveyance and ₹3,500 on his grocery and saves the remaining ₹500, his monthly salary is:

- Ans
- 1. ₹5,500
  - 2. ₹5,750
  - 3. ₹5,250
  - 4. ₹5,000

Question ID : 7518979925  
Option 1 ID : 75189739699  
Option 2 ID : 75189739700  
Option 3 ID : 75189739698  
Option 4 ID : 75189739697  
Status : Answered  
Chosen Option : 2

**Q.64** Yajur Veda deals with \_\_\_\_\_.

- Ans
- 1. the Gayatri Mantra
  - 2. spells and charms
  - 3. melodies
  - 4. the rituals of the Yagna



Question ID : 7518978869  
Option 1 ID : 75189735473  
Option 2 ID : 75189735476  
Option 3 ID : 75189735474  
Option 4 ID : 75189735475  
Status : Marked For Review  
Chosen Option : 2

**Q.65** The nature of the roots of the quadratic equation  $(x + 12)(x + 6) = 4^2$  satisfy the following:

- Ans
- 1. both the roots are irrational
  - 2. both the roots are negative and rational
  - 3. one of the roots is positive and the other one is negative, and both are rational
  - 4. both the roots are positive and rational

Question ID : 75189711209  
Option 1 ID : 75189744836  
Option 2 ID : 75189744835  
Option 3 ID : 75189744834  
Option 4 ID : 75189744833  
Status : Not Attempted and Marked For Review  
Chosen Option : --



**Q.66** Which of the following is NOT NECESSARILY true for congruent triangles?

**Ans**  1.

If the three sides of one triangle are equal to the corresponding three sides of another triangle, then the two triangles are congruent.

2.

If two angles and the included side of one triangle are equal to two angles and the included side of another triangle, then the two triangles are congruent.

3.

If any two sides and the angle included between the sides of one triangle are equal to the corresponding two sides and the angle included between those two sides of the second triangle, then the two triangles are congruent.

4.

If two sides and an angle of one triangle are equal to two sides and an angle of the other triangle, then the two triangles are congruent.

Question ID : 75189711217

Option 1 ID : 75189744865

Option 2 ID : 75189744867

Option 3 ID : 75189744866

Option 4 ID : 75189744868

Status : Answered

Chosen Option : 4

**Q.67** 1000 identical small spheres are cast from a sphere of radius 10 cm, with the total volume of the small spheres being equal to the volume of the larger sphere. The diameter (in cm) of each of the small spheres is:

**Ans**  1. 0.5

2. 3

3. 2

4. 1

Question ID : 75189710022

Option 1 ID : 75189740085

Option 2 ID : 75189740088

Option 3 ID : 75189740087

Option 4 ID : 75189740086

Status : Answered

Chosen Option : 3

**Q.68** As on August 2022, the Pradhan Mantri Shram Yogi Maandhan (PM-SYM) Yojana, is a voluntary and contributory pension scheme for providing monthly minimum assured pension of \_\_\_\_\_ after attaining the age of 60 years.

**Ans**  1. ₹3,000

2. ₹5,000

3. ₹2,000

4. ₹4,000

Question ID : 75189711109

Option 1 ID : 75189744434

Option 2 ID : 75189744436

Option 3 ID : 75189744433

Option 4 ID : 75189744435

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.69 Who became U-20 World Wrestling Champion in August, 2022?

- Ans
- 1. Anshu Malik
  - 2. Mulaym Yadav
  - 3. Sushil Kumar
  - 4. Antim Panghal

Question ID : 75189710511

Option 1 ID : 75189742043

Option 2 ID : 75189742042

Option 3 ID : 75189742044

Option 4 ID : 75189742041

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

Chosen Option : --

Q.70 Five friends, Sandya, Rinku, Prachi, Thiru and Madavi, are sitting on a bench in a playground, facing north (but not necessarily in the same order). Sandya is to the immediate left of Rinku and to the immediate right of Prachi. Madavi is somewhere to the right of Rinku. Thiru is an immediate neighbour of both Rinku and Madavi. Who is sitting at the rightmost end?

- Ans
- 1. Sandya
  - 2. Prachi
  - 3. Rinku
  - 4. Madavi

Question ID : 75189711433

Option 1 ID : 75189745732

Option 2 ID : 75189745729

Option 3 ID : 75189745731

Option 4 ID : 75189745730

Status : **Answered**

Chosen Option : 4

Q.71 The minimum age required to contest the election for the President of India is \_\_\_\_\_.

- Ans
- 1. 32 years
  - 2. 21 years
  - 3. 25 years
  - 4. 35 Years

Question ID : 7518974165

Option 1 ID : 75189716659

Option 2 ID : 75189716657

Option 3 ID : 75189716658

Option 4 ID : 75189716660

Status : **Answered**

Chosen Option : 4

**Q.72** Six students P, Q, R, S, T and U are standing in a straight row such that all of them are facing towards north, but not necessarily in the same order. Q stands second from one of the ends and immediately to the right of P. Only two persons stand between P and R. R stands second to the left of the T. The number of persons standing to the left of T is the same as to the right of P. T stands at the extreme right end of the row and to the immediate right of U. Q stands third to the left of U and stands to the immediate left of S. How many persons stand between Q and U?

- Ans**
- 1. Four
  - 2. One
  - 3. Two
  - 4. Three

Question ID : 7518978953  
Option 1 ID : 75189735811  
Option 2 ID : 75189735812  
Option 3 ID : 75189735809  
Option 4 ID : 75189735810  
Status : Answered  
Chosen Option : 3

**Q.73** The sum of the digits of a 2-digit number is 9. The number at the tens' place is double of the number at the units' place. The 2-digit number is:

- Ans**
- 1. 54
  - 2. 45
  - 3. 36
  - 4. 63

Question ID : 7518979997  
Option 1 ID : 75189739988  
Option 2 ID : 75189739987  
Option 3 ID : 75189739986  
Option 4 ID : 75189739985  
Status : Answered  
Chosen Option : 4

**Q.74** The common domestic power supplied in India is given by which of the following?

- Ans**
- 1. 110V, 60 Hz
  - 2. 220V, 100Hz
  - 3. 110V, 50Hz
  - 4. 220V, 50Hz

Question ID : 75189711371  
Option 1 ID : 75189745481  
Option 2 ID : 75189745484  
Option 3 ID : 75189745483  
Option 4 ID : 75189745482  
Status : Answered  
Chosen Option : 4

**Q.75** Refer to the following letter series and answer the question.

ACPDIUUVKJQEVF

How many consonants have one vowel on one side and one consonant on the other side as immediate neighbours?

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

Question ID : 7518979751  
Option 1 ID : 75189739001  
Option 2 ID : 75189739002  
Option 3 ID : 75189739003  
Option 4 ID : 75189739004  
Status : Answered  
Chosen Option : 4

**Q.76** The gum produced by various types of trees like Acacia trees is \_\_\_\_\_.

- Ans**
- 1. a form of stored food
  - 2. an insect-repellent substance
  - 3. an indication of poor health/infection
  - 4. a waste product of these plants

Question ID : 75189710070  
Option 1 ID : 75189740277  
Option 2 ID : 75189740279  
Option 3 ID : 75189740280  
Option 4 ID : 75189740278  
Status : Not Attempted and Marked For Review  
Chosen Option : --

**Q.77** A statement is given followed by two arguments I and II. Read the statement and the arguments carefully and select the appropriate answer from the given options.

Statement:

Keeping children below the age of two in day care should be avoided as it only has disadvantages.

Arguments:

- I. Since some parents have full time jobs with no one to take care of their children at home, keeping children in day care can provide the children with the required care.
- II. Children at day care benefit by having other children around and develop good social skills.

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

Question ID : 75189711693  
Option 1 ID : 75189746771  
Option 2 ID : 75189746770  
Option 3 ID : 75189746769  
Option 4 ID : 75189746772  
Status : Not Attempted and Marked For Review  
Chosen Option : --

**Q.78** Which of the following chemical compounds is known as marble?

- Ans**
- ✓ 1. Calcium carbonate
  - ✗ 2. Calcium oxide
  - ✗ 3. Calcium bicarbonate
  - ✗ 4. Calcium hydroxide

Question ID : 75189711864  
Option 1 ID : 75189747455  
Option 2 ID : 75189747454  
Option 3 ID : 75189747453  
Option 4 ID : 75189747456  
Status : Answered  
Chosen Option : 1

**Q.79** 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 /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)

(11, 202, 9)  
(13, 233, 8)

- Ans**
- ✗ 1. (17, 231, 9)
  - ✗ 2. (15, 255, 8)
  - ✓ 3. (15, 274, 7)
  - ✗ 4. (9, 181, 7)

Question ID : 75189711405  
Option 1 ID : 75189745617  
Option 2 ID : 75189745618  
Option 3 ID : 75189745620  
Option 4 ID : 75189745619  
Status : Answered  
Chosen Option : 3

**Q.80** Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

OZF6, QWK12, STP18, UQU24, ?

- Ans**
- ✓ 1. WNZ30
  - ✗ 2. WNZ32
  - ✗ 3. WNY30
  - ✗ 4. VMZ32

Question ID : 75189710825  
Option 1 ID : 75189743298  
Option 2 ID : 75189743299  
Option 3 ID : 75189743297  
Option 4 ID : 75189743300  
Status : Answered  
Chosen Option : 1

**Q.81** The compound 'X' is produced when baking soda is heated. Recrystallization of X gives compound 'Y'. Select the compounds X and Y, respectively.

- Ans**
- 1. Sodium carbonate and washing soda
  - 2. Sodium carbonate and bleaching powder
  - 3. Sodium bicarbonate and washing soda
  - 4. Sodium bicarbonate and bleaching powder

Question ID : 75189711907  
Option 1 ID : 75189747625  
Option 2 ID : 75189747627  
Option 3 ID : 75189747626  
Option 4 ID : 75189747628  
Status : **Not Attempted and Marked For Review**  
Chosen Option : --

**Q.82** Where can we find spores in a fern plant?

- Ans**
- 1. On special branches called sporangia
  - 2. In the central chamber of flowers
  - 3. At the underside of leaves
  - 4. At the tips of older leaves

Question ID : 75189710122  
Option 1 ID : 75189740488  
Option 2 ID : 75189740486  
Option 3 ID : 75189740487  
Option 4 ID : 75189740485  
Status : **Marked For Review**  
Chosen Option : 3

**Q.83** Magnetic field lines never cross each other. This fact implies that the magnetic field always have \_\_\_\_\_.

- Ans**
- 1. double values at any point in space
  - 2. triple values at any point in space
  - 3. multiple values at any point in space
  - 4. a unique value at any point in space

Question ID : 75189711360  
Option 1 ID : 75189745439  
Option 2 ID : 75189745440  
Option 3 ID : 75189745437  
Option 4 ID : 75189745438  
Status : **Not Attempted and Marked For Review**  
Chosen Option : --

**Q.84** In this question, a group of numbers is coded using letters/symbols as per the table given below, and the conditions that follow. The correct combination of codes following the conditions is your answer.

Number/Digit	9	5	1	7	3	4	8	6	2
Code	B	K	L	D	^	S	#	&	F

Conditions.

1. If the first digit is odd and last digit is even, the codes for the first and the last digits are to be interchanged.
2. If the first digit is even and last digit is odd, both are to be coded by the code for the first digit.

What will be the code for 85624731?

- Ans
- 1. #K&FSD^L
  - 2. #K&FSD^#
  - 3. #KF&SD^L
  - 4. #KF&DS^#

Question ID : 7518979016  
 Option 1 ID : 75189736063  
 Option 2 ID : 75189736064  
 Option 3 ID : 75189736061  
 Option 4 ID : 75189736062  
 Status : Answered  
 Chosen Option : 2

**Q.85** Select the correct balanced chemical equation for the given reaction.

Magnesium(s) + Oxygen(g) → Magnesium oxide(s)

- Ans
- 1.  $\text{Mg(s)} + \text{O}_2\text{(g)} \rightarrow \text{MgO}_2\text{(s)}$
  - 2.  $2\text{Mg(s)} + \text{O}_2\text{(g)} \rightarrow 2\text{MgO(s)}$
  - 3.  $2\text{Mg(s)} + \text{O}_2\text{(g)} \rightarrow 2\text{MgO}_2\text{(s)}$
  - 4.  $\text{Mg(s)} + \text{O}_2\text{(g)} \rightarrow 2\text{MgO(s)}$

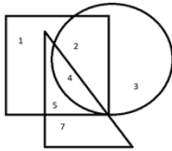
Question ID : 75189711860  
 Option 1 ID : 75189747440  
 Option 2 ID : 75189747438  
 Option 3 ID : 75189747439  
 Option 4 ID : 75189747437  
 Status : Answered  
 Chosen Option : 2

**Q.86** Three numbers are co-prime to one another and the product of the first two and the last two are 432 and 945, respectively. Find the LCM of the three numbers.

- Ans
- 1. 14850
  - 2. 15030
  - 3. 16650
  - 4. 15120

Question ID : 75189711398  
 Option 1 ID : 75189745590  
 Option 2 ID : 75189745591  
 Option 3 ID : 75189745589  
 Option 4 ID : 75189745592  
 Status : Not Attempted and Marked For F  
 Chosen Option : --

**Q.87** Study the given diagram carefully and answer the question. The numbers in different sections indicate the number of persons. The circle represents 'sports persons', the square represents 'coaches', and the triangle represents 'administrators'. How many sports persons are there who are also coaches but NOT administrators?



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

Question ID : 75189711479  
 Option 1 ID : 75189745915  
 Option 2 ID : 75189745913  
 Option 3 ID : 75189745916  
 Option 4 ID : 75189745914  
 Status : Answered  
 Chosen Option : 4

**Q.88** In this question, a statement is followed by two conclusions. Which of the two conclusions is true with respect to the statement?

Statement:  $E = A < T \leq D > H > O < X$

Conclusions:

I.  $D > E$

II.  $D > O$

- Ans
- 1. Neither conclusion I nor II is true
  - 2. Both conclusions I and II are true
  - 3. Only conclusion I is true
  - 4. Only conclusion II is true

Question ID : 7518974960  
 Option 1 ID : 75189719840  
 Option 2 ID : 75189719839  
 Option 3 ID : 75189719837  
 Option 4 ID : 75189719838  
 Status : Answered  
 Chosen Option : 2



**Q.89** Which of the following statements about Mendeleev's periodic table is NOT correct?

**Ans**  1. Noble gases were not discovered at that time.

2.

Like alkali metals, hydrogen reacts with halogen, oxygen, and sulphur to form compounds having similar formulae.

3.

No specific position was assigned to the isotopes in the Mendeleev's periodic table.

4.

Hydrogen was assigned a fixed position in the Mendeleev's periodic table.

Question ID : 75189711929

Option 1 ID : 75189747716

Option 2 ID : 75189747713

Option 3 ID : 75189747715

Option 4 ID : 75189747714

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

Chosen Option : --

**Q.90** The milestone of having how many open defecation-free (ODF) Plus villages has been crossed by India in March 2022?

**Ans**  1. 50,000

2. 40,000

3. 30,000

4. 20,000

Question ID : 7518973982

Option 1 ID : 75189715925

Option 2 ID : 75189715928

Option 3 ID : 75189715926

Option 4 ID : 75189715927

Status : **Not Answered**

Chosen Option : --

**Q.91** Which additional duty was added in 2002 by the 86th Amendment of the Constitution, under clause K of the fundamental duties of India?

**Ans**  1. To safeguard public property and to abjure violence

2.

To value and preserve the rich heritage of our composite culture

3.

Who is a parent or guardian, to provide opportunities for education to his child or, as the case may be, ward, between the age of six and fourteen years.

4.

To defend the country and render national service when called upon to do so

Question ID : 75189710490

Option 1 ID : 75189741957

Option 2 ID : 75189741958

Option 3 ID : 75189741960

Option 4 ID : 75189741959

Status : **Answered**

Chosen Option : 3

Q.92 Select the correct pair of semi-metals amongst the following elements.

- Ans
- 1. Carbon and nitrogen
  - 2. Sulphur and phosphorus
  - 3. Silicon and germanium
  - 4. Hydrogen and helium

Question ID : 75189711941  
Option 1 ID : 75189747761  
Option 2 ID : 75189747763  
Option 3 ID : 75189747764  
Option 4 ID : 75189747762  
Status : Answered  
Chosen Option : 3

Q.93 In December 2021, in which city was the National Billiards Championship held?

- Ans
- 1. Bhopal
  - 2. Ranchi
  - 3. Mumbai
  - 4. Guwahati

Question ID : 7518976515  
Option 1 ID : 75189726057  
Option 2 ID : 75189726059  
Option 3 ID : 75189726060  
Option 4 ID : 75189726058  
Status : Not Attempted and Marked For Review  
Chosen Option : --

Q.94 A and B can complete a work in 10 days and 15 days, respectively. They started working together but after 3 days B had to leave and A alone completed the remaining work. In how many days in all was the entire work completed?

- Ans
- 1. 8 days
  - 2. 7 days
  - 3. 6 days
  - 4. 5 days

Question ID : 75189711199  
Option 1 ID : 75189744793  
Option 2 ID : 75189744795  
Option 3 ID : 75189744794  
Option 4 ID : 75189744796  
Status : Answered  
Chosen Option : 1

**Q.95** A man makes a monthly payment equal to 15% of his monthly salary towards debt repayment. He spends 75% of the remaining salary and saves ₹425. His monthly salary is:

- Ans
- 1. ₹2,400
  - 2. ₹1,800
  - 3. ₹2,000
  - 4. ₹2,200

Question ID : 7518979923  
Option 1 ID : 75189739692  
Option 2 ID : 75189739689  
Option 3 ID : 75189739690  
Option 4 ID : 75189739691  
Status : Answered  
Chosen Option : 3

**Q.96** An object of diameter 6 cm is placed at a distance of 10 cm in front of a lens with a power of +5.0 D. The diameter of the image of the object will be:

- Ans
- 1. 12 cm
  - 2. 10 cm
  - 3. 8 cm
  - 4. 14 cm

Question ID : 75189711293  
Option 1 ID : 75189745171  
Option 2 ID : 75189745170  
Option 3 ID : 75189745169  
Option 4 ID : 75189745172  
Status : Not Attempted and Marked For Review  
Chosen Option : --

**Q.97** If the magnification of an image from a spherical mirror is  $-1.38$ , then the nature of the image will be:

- Ans
- 1. virtual, erect and enlarged
  - 2. real, inverted and smaller
  - 3. real, inverted and enlarged
  - 4. virtual, erect and smaller

Question ID : 7518979498  
Option 1 ID : 75189737990  
Option 2 ID : 75189737991  
Option 3 ID : 75189737992  
Option 4 ID : 75189737989  
Status : Answered  
Chosen Option : 1

**Q.98** Ram bought a bulb rated as 50 W and 220 V. When it is connected to a 220 V supply, its resistance will be:

- Ans
- 1. 868  $\Omega$
  - 2. 968  $\Omega$
  - 3. 1098  $\Omega$
  - 4. 1068  $\Omega$

Question ID : 75189711313  
Option 1 ID : 75189745249  
Option 2 ID : 75189745250  
Option 3 ID : 75189745252  
Option 4 ID : 75189745251  
Status : Answered  
Chosen Option : 2

**Q.99** Which of the following is used to detect the presence of starch in food?

- Ans
- 1. Iodine solution
  - 2. Litmus solution
  - 3. Phenolphthalein
  - 4. Benedict's solution

Question ID : 75189710154  
Option 1 ID : 75189740616  
Option 2 ID : 75189740613  
Option 3 ID : 75189740614  
Option 4 ID : 75189740615  
Status : Answered  
Chosen Option : 1

**Q.100** In which of the following animals does the body temperature NOT depend on the temperature in the environment?

- Ans
- 1. Fishes and mammals
  - 2. Birds and some reptiles
  - 3. Birds and fishes
  - 4. Birds and mammals

Question ID : 75189710205  
Option 1 ID : 75189740820  
Option 2 ID : 75189740818  
Option 3 ID : 75189740819  
Option 4 ID : 75189740817  
Status : Answered  
Chosen Option : 2