

**QUESTION PAPER**  
**Technician (Lab Research) [SHIFT - 1]**

Exam Date : 05/09/2023

Time : 09:30 AM - 12:30 PM

**SECTION 1**

**Question 1**

Dental cavities are caused because of the deficiency of which element?

Answer :

- (A) Chlorine
- (B) Fluorine
- (C) Bromine
- (D) Astatine

**Right Answer :**  
Fluorine

**Question Id : 1**

Option Id

- ☐ 1001
- ☐ 1002
- ☐ 1003
- ☐ 1004

**Right Option Id : 1002**

**Question 2**

Which types of waves are utilized in the night visionary equipment?

Answer :

- (A) Infrared wave
- (B) Micro wave
- (C) Radio wave
- (D) Gamma wave

**Right Answer :**  
Infrared wave

**Question Id : 17**

Option Id

- ☐ 17001
- ☐ 17002
- ☐ 17003
- ☐ 17004

**Right Option Id : 17001**

**Question 3**

An organ in which RBC forms in the human body is \_\_\_\_.

Answer :

- (A) Bone marrow
- (B) Pancreas
- (C) Liver
- (D) Heart

**Right Answer :**  
Bone marrow

**Question Id : 15**

Option Id

- ☐ 15001
- ☐ 15002
- ☐ 15003
- ☐ 15004

**Right Option Id : 15001**

**Question 4**

What does the speedometer of a vehicle read?

Answer :

- (A) Average speed
- (B) Average velocity
- (C) Instantaneous speed
- (D) Instantaneous velocity

**Question Id : 16**

Option Id

- ☐ 16001
- ☐ 16002
- ☐ 16003
- ☐ 16004

**Right Answer :**  
Instantaneous speed

**Right Option Id : 16003**

**Question 5**

What is the pH range of our body?

**Answer :**

(A) 7.0 – 7.8

(B) 7.2 – 8.0

(C) 7.0 – 8.4

(D) 7.2 – 8.4

**Question Id : 13**

Option Id

☐ 13001

☐ 13002

☐ 13003

☐ 13004

**Right Answer :**  
7.0 – 7.8

**Right Option Id : 13001**

**Question 6**

Which one of the following salts does not contain water of crystallization?

**Answer :**

(A) Blue vitriol

(B) Baking soda

(C) Washing soda

(D) Gypsum

**Question Id : 18**

Option Id

☐ 18001

☐ 18002

☐ 18003

☐ 18004

**Right Answer :**  
Baking soda

**Right Option Id : 18002**

**Question 7**

Night Blindness is caused due to the deficiency of?

**Answer :**

(A) Vitamin A

(B) Vitamin B

(C) Vitamin C

(D) Vitamin D

**Question Id : 19**

Option Id

☐ 19001

☐ 19002

☐ 19003

☐ 19004

**Right Answer :**  
Vitamin A

**Right Option Id : 19001**

**Question 8**

Chloroquine is given for treating which disease?

**Answer :**

(A) AIDS

(B) cancer

(C) tetanus

(D) malaria

**Question Id : 20**

Option Id

☐ 20001

☐ 20002

☐ 20003

☐ 20004

**Right Answer :**  
malaria

**Right Option Id : 20004**

**Question 9**

**Question Id : 14**

Testosterone is a hormone found in \_\_\_\_.

Answer :

(A) Children

(B) males and females

(C) Females only

(D) Males only

Option Id

☐ 14001

☐ 14002

☐ 14003

☐ 14004

**Right Answer :**

males and females

**Right Option Id : 14002**

#### Question 10

Why the inner lining of hot water pipes is made up of copper?

Answer :

(A) Copper has less heat capacity

(B) Copper has high electrical conductivity

(C) Copper does not react with steam

(D) Copper is good conductor of both heat and electricity

**Question Id : 12**

Option Id

☐ 12001

☐ 12002

☐ 12003

☐ 12004

## Marks Given to All Candidates

#### Question 11

The internal secretion of \_\_\_\_ helps in digestion.

Answer :

(A) Hydrochloric acid

(B) Sulphuric acid

(C) Acetic acid

(D) Citric acid

**Question Id : 2**

Option Id

☐ 2001

☐ 2002

☐ 2003

☐ 2004

**Right Answer :**

Hydrochloric acid

**Right Option Id : 2001**

#### Question 12

The blackboard seems black because it....

Answer :

(A) does not reflect any colour

(B) absorbs black colour

(C) reflects every colour

(D) reflects black colour

**Question Id : 10**

Option Id

☐ 10001

☐ 10002

☐ 10003

☐ 10004

**Right Answer :**

does not reflect any colour

**Right Option Id : 10001**

#### Question 13

Cacti and pineapple are examples of which of the following?

Answer :

(A) Xerophytes

(B) Halophytes

**Question Id : 9**

Option Id

☐ 9001

- (C) Mesophytes
- (D) Hydrophytes

- ☐ 9002
- ☐ 9003
- ☐ 9004

**Right Answer :**  
Xerophytes

**Right Option Id : 9001**

**Question 14**

We cannot hear on the surface of the moon because \_\_\_\_.

**Answer :**

- (A) It has very low gravitational force.
- (B) It has no atmosphere.
- (C) Its surface absorbs sound.
- (D) It has atmosphere.

**Question Id : 8**

**Option Id**

- ☐ 8001
- ☐ 8002
- ☐ 8003
- ☐ 8004

**Right Answer :**  
It has no atmosphere.

**Right Option Id : 8002**

**Question 15**

Give name of a non-metal which is a good conductor of electricity.

**Answer :**

- (A) Sulphur
- (B) Graphite
- (C) Phosphorus
- (D) Iodine

**Question Id : 11**

**Option Id**

- ☐ 11001
- ☐ 11002
- ☐ 11003
- ☐ 11004

**Right Answer :**  
Graphite

**Right Option Id : 11002**

**Question 16**

BCG immunisation is for\_\_\_\_\_.

**Answer :**

- (A) Measles
- (B) Tuberculosis
- (C) Diphtheria
- (D) Leprosy

**Question Id : 7**

**Option Id**

- ☐ 7001
- ☐ 7002
- ☐ 7003
- ☐ 7004

**Right Answer :**  
Tuberculosis

**Right Option Id : 7002**

**Question 17**

The coil in a heater is made of?

**Answer :**

- (A) Tungsten
- (B) Nichrome
- (C) Iron
- (D) Copper

**Question Id : 6**

**Option Id**

- ☐ 6001
- ☐ 6002
- ☐ 6003
- ☐ 6004

**Right Answer :**  
Nichrome

**Right Option Id : 6002**

**Question 18**

Which of the following acids is found in vinegar?

Answer :

- (A) Acetic acid
- (B) Citric acid
- (C) Oxalic acid
- (D) Hydrochloric acid

**Question Id : 5**

Option Id

- ☐ 5001
- ☐ 5002
- ☐ 5003
- ☐ 5004

**Right Answer :**  
Acetic acid

**Right Option Id : 5001**

**Question 19**

The colours of the stars depends upon its What?

Answer :

- (A) temperature
- (B) pressure
- (C) distance from earth
- (D) pollution of the air

**Question Id : 4**

Option Id

- ☐ 4001
- ☐ 4002
- ☐ 4003
- ☐ 4004

**Right Answer :**  
temperature

**Right Option Id : 4001**

**Question 20**

Instrument used to find out the amount of water in the milk is known by which name?

Answer :

- (A) Thermometer
- (B) Manometer
- (C) Hygrometer
- (D) Lactometer

**Question Id : 3**

Option Id

- ☐ 3001
- ☐ 3002
- ☐ 3003
- ☐ 3004

**Right Answer :**  
Lactometer

**Right Option Id : 3004**

**SECTION 2**

**Question 21**

$\frac{1.22}{48.8} = \frac{4.88}{x}$ , then  $x = ?$

Answer :

- (A) 0.1952
- (B) 1.952
- (C) 19.52
- (D) 195.2

**Question Id : 37**

Option Id

- ☐ 37001
- ☐ 37002
- ☐ 37003
- ☐ 37004

**Right Answer :**

195.2

**Right Option Id : 37004**

**Question 22**

If 60% of  $(x - y) = 25\%$  of  $(x + y)$ , then what percent of  $x$  is  $y$ ?

Answer :

(A) 800 / 19

(B) 750 / 17

(C) 800 / 17

(D) 700 / 17

**Question Id : 35**

Option Id

☐ 35001

☐ 35002

☐ 35003

☐ 35004

**Right Answer :**

700 / 17

**Right Option Id : 35004**

**Question 23**

Abhinav saves Rs.25 by getting 6.66% discount on a textbook. What is the amount of money (in Rs.) paid by him?

Answer :

(A) 450

(B) 350

(C) 225

(D) 375

**Question Id : 36**

Option Id

☐ 36001

☐ 36002

☐ 36003

☐ 36004

**Right Answer :**

350

**Right Option Id : 36002**

**Question 24**

Tanish got 20% concession on the labelled price of an article and sold it for Rs. 2600 with 25% profit. What was the labelled price (in Rs.)?

Answer :

(A) 2600

(B) 2700

(C) 2650

(D) 2790

**Question Id : 31**

Option Id

☐ 31001

☐ 31002

☐ 31003

☐ 31004

**Right Answer :**

2600

**Right Option Id : 31001**

**Question 25**

Walking  $\frac{5}{9}$ th of his normal speed, Ravi is 20 minutes late in reaching his office from home. The usual time taken (in minutes) by him to cover the distance between the same is,

Answer :

(A) 26

(B) 28

(C) 30

(D) 25

**Question Id : 33**

Option Id

☐ 33001

☐ 33002

☐ 33003

☐ 33004

**Right Answer :**

25

**Right Option Id : 33004**

**Question 26**

Find the area (in  $\text{cm}^2$ ) of parallelogram, having base 14 cm and height 20 cm.

Answer :

- (A) 140  
(B) 420  
(C) 280  
(D) 240

**Right Answer :**  
280

**Question Id : 38**

Option Id

- ☐ 38001  
☐ 38002  
☐ 38003  
☐ 38004

**Right Option Id : 38003**

**Question 27**

Find the difference between simple and compound interest (in Rs.) on Rs. 2200 at 5% per annum for 2 years.

Answer :

- (A) 6  
(B) 5.5  
(C) 8  
(D) 9.5

**Right Answer :**  
5.5

**Question Id : 39**

Option Id

- ☐ 39001  
☐ 39002  
☐ 39003  
☐ 39004

**Right Option Id : 39002**

**Question 28**

Two numbers are in the ratio of 2 : 5. If the sum of numbers is 490 then the large number is,

Answer :

- (A) 70  
(B) 140  
(C) 240  
(D) 350

**Right Answer :**  
350

**Question Id : 40**

Option Id

- ☐ 40001  
☐ 40002  
☐ 40003  
☐ 40004

**Right Option Id : 40004**

**Question 29**

With a uniform speed a car covers the distance in 8 hours. The speed had been increased by 4 km/hr, the same distance could have been covered in  $7\frac{1}{2}$  hours. What is the distance covered?

Answer :

- (A) 420 km  
(B) 480 km  
(C) 640 km  
(D) None of these

**Right Answer :**  
480 km

**Question Id : 34**

Option Id

- ☐ 34001  
☐ 34002  
☐ 34003  
☐ 34004

**Right Option Id : 34002**

**Question 30**

The average weight of 10 students is decreased by 2.4 kg when one of the students who weighs 45 kg is replaced by a new student. Find the weight of the new student in kg.

Answer :

**Question Id : 32**

Option Id

(A) 18

☐ 32001

(B) 25

☐ 32002

(C) 21

☐ 32003

(D) 15

☐ 32004

**Right Answer :**

21

**Right Option Id : 32003**

**Question 31**

**Question Id : 21**

Mr. Pankaj deposited Rs. 40,000 in a Post Office saving bank at an interest of 4% per annum. How much amount will he receive at the end of 3 months?

**Answer :**

**Option Id**

(A) Rs. 40,400

☐ 21001

(B) Rs. 40,200

☐ 21002

(C) Rs. 40,800

☐ 21003

(D) None of these

☐ 21004

**Right Answer :**

Rs. 40,400

**Right Option Id : 21001**

**Question 32**

**Question Id : 30**

A cylinder has radius of 7cm and its volume is  $1540\text{cm}^3$ , what is the height of the cylinder? (Take  $\pi = 22/7$ )

**Answer :**

**Option Id**

(A) 10cm

☐ 30001

(B) 14cm

☐ 30002

(C) 11cm

☐ 30003

(D) 15cm

☐ 30004

**Right Answer :**

10cm

**Right Option Id : 30001**

**Question 33**

**Question Id : 29**

Value of  $(256)^{0.16} \times (256)^{0.09}$  is:

**Answer :**

**Option Id**

(A) 4

☐ 29001

(B) 16

☐ 29002

(C) 64

☐ 29003

(D) 256.25

☐ 29004

**Right Answer :**

4

**Right Option Id : 29001**

**Question 34**

**Question Id : 28**

$$\sqrt{9 - 4\sqrt{5}} =$$

**Answer :**

**Option Id**

(A)  $\sqrt{5}-2$

☐ 28001

(B)  $\sqrt{2}-5$

☐ 28002



(C)  $\sqrt{5} + 3$

☐ 28003

(D)  $\sqrt{3} + 5$

☐ 28004

## Marks Given to All Candidates

### Question 35

The average of 308, 125, 45, 120 and 102 is :

Answer :

(A) 110

(B) 120

(C) 130

(D) 140

Question Id : 27

Option Id

☐ 27001

☐ 27002

☐ 27003

☐ 27004

Right Answer :

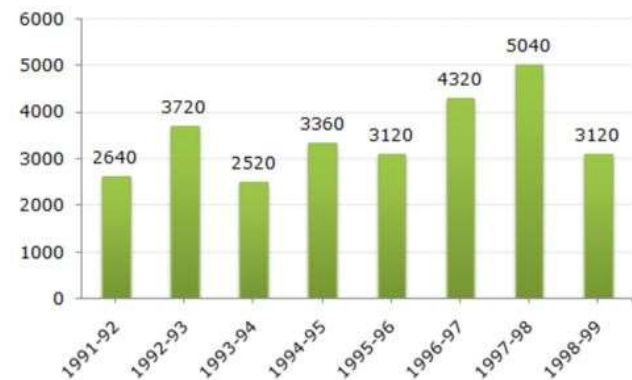
140

Right Option Id : 27004

### Question 36

Question Id : 26

Direction: The bar graph given below shows the earning of a company (in million Rs.) from 1991 to 1999. Read it and answer the following question correctly.



The ratio of number of years, in which earnings of a company are below the average earning, to those in which the earnings are above the average is?

Answer :

(A) 2 : 6

(B) 3 : 4

(C) 5 : 3

(D) None of these

Option Id

☐ 26001

☐ 26002

☐ 26003

☐ 26004

Right Answer :

5 : 3

Right Option Id : 26003

### Question 37

Question Id : 25

Direction: The bar graph given below shows the earning of a company (in million Rs.) from 1991 to 1999. Read it and answer the following question correctly.



The earning of company in 1997 – 98 was how many times that in 1994 – 95?

Answer :

(A) 1.2

Option Id

☐ 25001

(B) 0.7

### Question 38

Question Id : 24

Direction: The bar graph given below shows the earning of a company (in million Rs.) from 1991 to 1999. Read it and answer the following question correctly.



The earning of a company in 1996 – 97 were approximately what percent of the average earning over the period under review?

Answer :

(A) 90%

(B) 110%

(C) 115%

(D) 125%

Option Id

☐ 24001

☐ 24002

☐ 24003

☐ 24004

Right Answer :

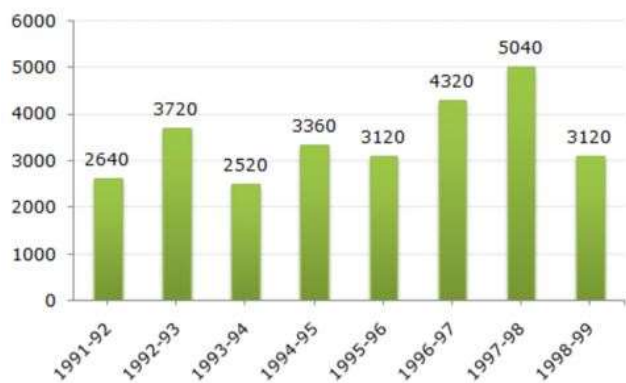
125%

Right Option Id : 24004

### Question 39

Question Id : 23

Direction: The bar graph given below shows the earning of a company (in million Rs.) from 1991 to 1999. Read it and answer the following question correctly.



What was the percentage increase in earning of a company in 1997 – 98 over 1993 – 94?

Answer :

Option Id

- (A) 80  
(B) 100  
(C) 120  
(D) 150

- ☐ 23001  
☐ 23002  
☐ 23003  
☐ 23004

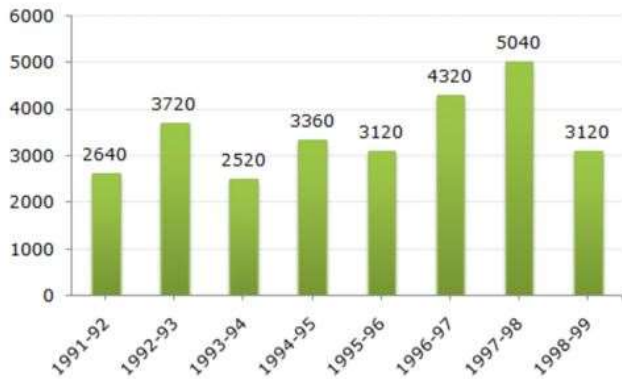
**Right Answer :**  
100

**Right Option Id : 23002**

**Question 40**

**Question Id : 22**

Direction: The bar graph given below shows the earning of a company (in million Rs.) from 1991 to 1999. Read it and answer the following question correctly.



What was the approximate percentage decline in the earning of a company from 1994 – 95 to 1995 – 96?

**Answer :**

- (A) 7%  
(B) 10%  
(C) 17%  
(D) 5%

Option Id

- ☐ 22001  
☐ 22002  
☐ 22003  
☐ 22004

**Right Answer :**  
7%

**Right Option Id : 22001**

**SECTION 3**

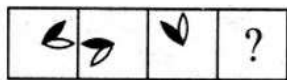
**Question 41**

**Question Id : 42**

Select a suitable figure from the Answer Figures that would replace the question mark

**Problem Figures:**

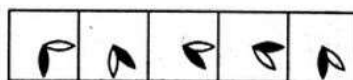
समस्या आकृतियाँ:



- (A) (B) (C) (D)

**Answer Figures:**

उत्तर आकृतियाँ:



- (1) (2) (3) (4) (5)

**Answer :**

- (A) (1)  
(B) (2)  
(C) (3)  
(D) (5)

Option Id

- ☐ 42001  
☐ 42002  
☐ 42003  
☐ 42004

**Right Answer :**  
(5)

**Right Option Id : 42004**

**Question 42****Question Id : 43**

Direction: In the following sentences, the main statement is followed by four sentences. Select a pair of sentences that relate logically to the given statement.

Statement: Either the train is late, or it has derailed.

- A. The train is late.
- B. The train is not late.
- C. The train is derailed.
- D. The train is not derailed.

Answer :

- (A) AB
- (B) DB
- (C) CA
- (D) BC

Option Id

- ☐ 43001
- ☐ 43002
- ☐ 43003
- ☐ 43004

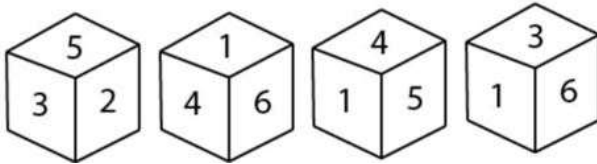
**Right Answer :**

BC

**Right Option Id : 43004**

**Question 43****Question Id : 44**

Four positions of a dice are given below. Identify the number at the bottom when top is 1.



Answer :

- (A) 2
- (B) 5
- (C) 6
- (D) 3

Option Id

- ☐ 44001
- ☐ 44002
- ☐ 44003
- ☐ 44004

**Right Answer :**

2

**Right Option Id : 44001**

**Question 44****Question Id : 45**

Direction: To the following question four probable answer have been given. Select the most appropriate alternative as the answer.

Your maid has invited you to her daughter's wedding. You would-

Answer :

- (A) Completely ignore her
- (B) Attend the wedding
- (C) Buy a gift for her daughter and help in wedding
- (D) Congratulate her and make up some excuse for not being able to attend

Option Id

- ☐ 45001
- ☐ 45002
- ☐ 45003
- ☐ 45004

**Right Answer :**

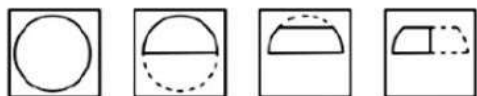
Buy a gift for her daughter and help in wedding

**Right Option Id : 45003**

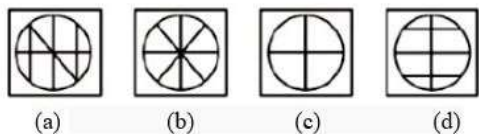
**Question 45****Question Id : 46**

If a paper (Transparent Sheet) is folded in a manner and a design or pattern is drawn, when unfolded, this paper appears as given in one of the answer figure. Choose the correct answer figure.

Question Figure/ प्रश्न आकृति:



Answer Figure/ उत्तर आकृति:



Answer :

(A) (a)

(B) (b)

(C) (c)

(D) (d)

Option Id

☐ 46001

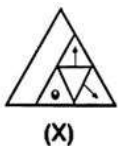
☐ 46002

☐ 46003

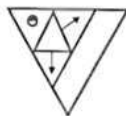
☐ 46004

#### Question 46

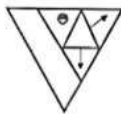
Directions : In the following question, choose the correct water-image from alternatives (A), (B), (C) and (D) for the figure (X).



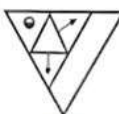
(X)



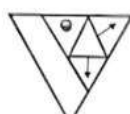
(A)



(B)



(C)



(D)

Answer :

(A) (A)

(B) (B)

(C) (C)

(D) (D)

Option Id

☐ 47001

☐ 47002

☐ 47003

☐ 47004

Right Answer :

(B)

Right Option Id : 47002

#### Question 47

Arrange the words given below in a meaningful sequence.

1. Presentation 2. Recommendation 3. Arrival 4. Discussion 5. Introduction

Answer :

(A) 3, 5, 1, 4, 2

(B) 3, 5, 4, 2, 1

(C) 5, 3, 1, 2, 4

(D) 5, 3, 4, 1, 2

#### Question Id : 48

Option Id

☐ 48001

☐ 48002

☐ 48003

☐ 48004

Right Answer :

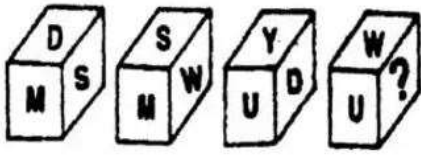
3, 5, 1, 4, 2

Right Option Id : 48001

#### Question 48

A cube, on whose sides, letters have been written, is shown below in different positions as can be seen from different directions. Find the missing letter.

#### Question Id : 49



Answer :

(A) S

(B) D

(C) Y

(D) W

Option Id

☐ 49001

☐ 49002

☐ 49003

☐ 49004

**Right Answer :**

Y

**Right Option Id : 49003**

#### Question 49

Question Id : 41

In the Question below, a passage is given followed by inference. You have to examine inference separately in the context of the passage and decide upon its degree of truth or falsity.

Primary education in Bihar is in a poor shape. Pupils in over 50 percent of the schools read in the open throughout the year. Over six million children born to lower income group parents remain Unlettered. Not even one percent of the 63,000 primary schools have facilities of furniture, toilet, drinking water and games. 3113 new teachers have been appointed in the current financial year out of which 2747 are women. Now each of the 13,270 primary schools have at least two teachers.

Classrooms of most of the primary schools in Bihar are inadequate.

Answer :

(A) if you think the inference is 'definitely true'.

(B) if you think the inference is 'probably true' though not definitely true in the light of the facts given.

(C) if the data given is inadequate i.e., from the fact given you cannot say whether the inference is likely to be true or false.

(D) if you think the inference is probably false though not definitely false in the light of the facts given.

Option Id

☐ 41001

☐ 41002

☐ 41003

☐ 41004

**Right Answer :**

if you think the inference is 'probably true' though not definitely true in the light of the facts given.

**Right Option Id : 41002**

#### Question 50

Question Id : 50

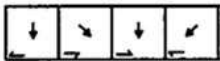
Select a figure from amongst the answer figures (1, 2, 3, 4) which will continue the same series as established by the five Problem figures (A, B, C, D, E).

Problem Figures: समस्या आकृतियाँ



(A) (B) (C) (D) (E)

Answer Figures: उत्तर आकृतियाँ



(1) (2) (3) (4)

Answer :

(A) (1)

(B) (2)

(C) (3)

(D) (4)

Option Id

☐ 50001

☐ 50002

☐ 50003

☐ 50004

**Right Answer :**

(1)

**Right Option Id : 50001**

### Question 51

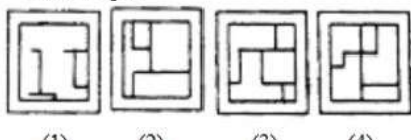
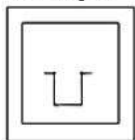
Question Id : 60

In which Answer Figure Question figure is Embedded?

Question Figure Answer Figure

प्रश्न आकृति

उत्तर आकृति



Answer :

(A) (1)

(B) (2)

(C) (3)

(D) (4)

Option Id

☐ 60001

☐ 60002

☐ 60003

☐ 60004

Right Answer :

(3)

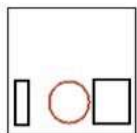
Right Option Id : 60003

### Question 52

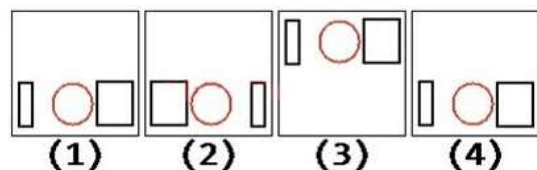
Question Id : 52

Which will be the mirror image of this if a mirror is placed to the right of the image?

(Choose correct answer from answer images)



These are the answer Images.



Answer :

(A) (1)

(B) (2)

(C) (3)

(D) (4)

Option Id

☐ 52001

☐ 52002

☐ 52003

☐ 52004

Right Answer :

(2)

Right Option Id : 52002

### Question 53

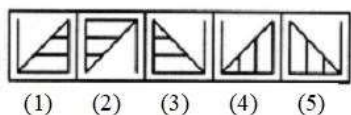
Question Id : 53

Select a suitable figure from the Answer Figures that would replace the question mark (?).



(A) (B) (C) (D)

Answer Figures: उत्तर आकृतियाँ



Answer :

(A) (1)

Option Id

☐ 53001

(B) (2)

☐ 53002

(C) (3)

☐ 53003

(D) (4)

☐ 53004

**Right Answer :**

(1)

**Right Option Id : 53001**

#### Question 54

Rupee is related to Paisa in the same way as Quintal is related to,

Answer :

(A) Weight

(B) Kilogram

(C) Wealth

(D) Coin

**Question Id : 54**

Option Id

☐ 54001

☐ 54002

☐ 54003

☐ 54004

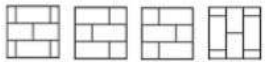
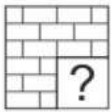
**Right Answer :**

Kilogram

**Right Option Id : 54002**

#### Question 55

Directions: Which Answer Figure will complete the pattern in the Question figure?



(1)

(2)

(3)

(4)

Answer :

(A) (1)

(B) (2)

(C) (3)

(D) (4)

Option Id

☐ 55001

☐ 55002

☐ 55003

☐ 55004

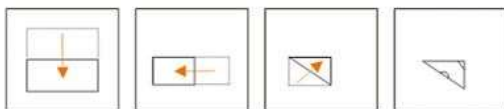
**Right Answer :**

(3)

**Right Option Id : 55003**

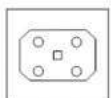
#### Question 56

In the question given below, paper is folded and cut as shown below in question figures. From the given option figure, indicate how it will appear when opened.

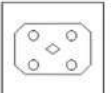


Answer :

(A)



(B)

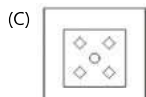


Option Id

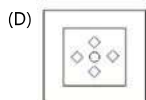
☐ 56001

☐ 56002





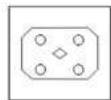
☐ 56003



☐ 56004

**Right Answer :**

**Right Option Id : 56002**



#### Question 57

**Question Id : 57**

Choose which of the following diagrams represents relationship among the given elements in a much logical way.:

Flowers, Rose, Yellow

Answer :

Option Id

(A)



☐ 57001

(B)



☐ 57002

(C)



☐ 57003

(D)



☐ 57004

**Right Answer :**

**Right Option Id : 57003**



#### Question 58

**Question Id : 58**

Directions: Problem given below consists of three statements. Based on the first two statements, choose the correct alternative for the third statement.

Statement 1: A is bigger than B but shorter than C

Statement 2: D is smaller than C and bigger than A

Statement 3: B is greater than D

If statement 1 and statement 2 are true, statement 3 will be -

Answer :

Option Id

(A) True

☐ 58001

(B) False

☐ 58002

(C) Uncertain

☐ 58003

(D) Data Insufficient

☐ 58004

**Right Answer :**

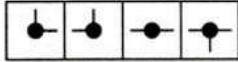
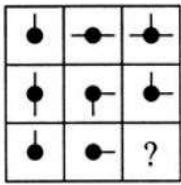
**Right Option Id : 58002**

False

#### Question 59

**Question Id : 59**

Select a suitable figure from the four alternatives that would complete the figure matrix.



(1) (2) (3) (4)

Answer :

(A) (1)

(B) (2)

(C) (3)

Option Id

☐ 59001

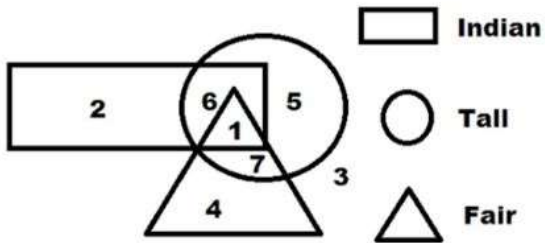
☐ 59002

☐ 59003

#### Question 60

Which number indicates an Indian who is neither fair nor tall?

Question Id : 51



Answer :

(A) 1

(B) 2

(C) 3

(D) 6

Option Id

☐ 51001

☐ 51002

☐ 51003

☐ 51004

Right Answer :

2

Right Option Id : 51002

### SECTION 4

#### Question 61

Which one among the following substances evolves heat when dissolved in water?

Question Id : 77

Answer :

(A) Glucose

(B) Fructose

(C) Quick lime

(D) Saltpeter

Option Id

☐ 77001

☐ 77002

☐ 77003

☐ 77004

Right Answer :

Quick lime

Right Option Id : 77003

#### Question 62

A liquid drop tends to assume a spherical shape because of which of the following?

Question Id : 74

Answer :

(A) Surface Tension

(B) Viscous Force

(C) Gravitational Force

Option Id

☐ 74001

☐ 74002

(D) Centrifugal Force

☐ 74003

☐ 74004

**Right Answer :**

Surface Tension

**Right Option Id : 74001**

**Question 63**

By whom was the first picture of Bharat Mata made?

**Answer :**

(A) Abanindranath Tagore

(B) Raja Ravi Verma

(C) Nandalal Bose

(D) Jamini Roy

**Question Id : 75**

**Option Id**

☐ 75001

☐ 75002

☐ 75003

☐ 75004

**Right Answer :**

Abanindranath Tagore

**Right Option Id : 75001**

**Question 64**

In which of the following annual session of congress was Jawaharlal Nehru elected as president of congress?

**Answer :**

(A) Haripura session,1938

(B) Lahore session,1929

(C) Bombay session,1934

(D) Karachi session,1931

**Question Id : 76**

**Option Id**

☐ 76001

☐ 76002

☐ 76003

☐ 76004

**Right Answer :**

Lahore session,1929

**Right Option Id : 76002**

**Question 65**

The part of Himalayas, situated between Satluj and Kali River is known as\_\_\_\_\_.

**Answer :**

(A) Kumaon Himalayas

(B) Nanga Himalayas

(C) Middle Himalayas

(D) Assam Himalayas

**Question Id : 73**

**Option Id**

☐ 73001

☐ 73002

☐ 73003

☐ 73004

**Right Answer :**

Kumaon Himalayas

**Right Option Id : 73001**

**Question 66**

When cash reserve ratio (CRR) is increased by RBI, it will:

**Answer :**

(A) Not impact on money supply in the economy

(B) Increase money supply in the economy

(C) Increase supply initially but decrease automatically later on

(D) Decrease money supply in the economy

**Question Id : 78**

**Option Id**

☐ 78001

☐ 78002

☐ 78003

☐ 78004

**Right Answer :**

Decrease money supply in the economy

**Right Option Id : 78004**

**Question 67**

Which organisation functions as the authorized Bharat Bill Payment Central Unit (BBPCU) in India?

Answer :

- (A) RBI (Reserve Bank of India)
- (B) SEBI (Securities and Exchange Board of India)
- (C) NPCI (The National Payments Corporation of India)
- (D) Finance Ministry

**Question Id : 79**

Option Id

- ☐ 79001
- ☐ 79002
- ☐ 79003
- ☐ 79004

**Right Answer :**

NPCI (The National Payments Corporation of India)

**Right Option Id : 79003**

**Question 68**

In which of the following state/UTs Cold Desert Biosphere Reserve is located?

Answer :

- (A) Uttarakhand
- (B) Jammu & Kashmir
- (C) Himachal Pradesh
- (D) Ladakh

**Question Id : 80**

Option Id

- ☐ 80001
- ☐ 80002
- ☐ 80003
- ☐ 80004

Marks Given to All candidates

**Question 69**

The Red Fort of Delhi was built by which of the following Mughal rulers?

Answer :

- (A) Akbar
- (B) Aurangzeb
- (C) Jahangir
- (D) Shah Jahan

**Question Id : 71**

Option Id

- ☐ 71001
- ☐ 71002
- ☐ 71003
- ☐ 71004

**Right Answer :**

Shah Jahan

**Right Option Id : 71004**

**Question 70**

As per Forest Report Survey 2021 which of the following states having a largest area of forest cover in India?

Answer :

- (A) Uttar Pradesh
- (B) Haryana
- (C) Assam
- (D) Madhya Pradesh

**Question Id : 72**

Option Id

- ☐ 72001
- ☐ 72002
- ☐ 72003
- ☐ 72004

**Right Answer :**

Madhya Pradesh

**Right Option Id : 72004**

**Question 71**

**Question Id : 69**

Gandak river is associated with which of the following river systems?

Answer :

(A) Brahmaputra

(B) Indus

(C) Godavari

(D) Ganga

Option Id

☐ 69001

☐ 69002

☐ 69003

☐ 69004

**Right Answer :**

Ganga

**Right Option Id : 69004**

#### Question 72

Which of the following is not a classical language recognized by the Government of India?

Answer :

(A) Odia

(B) Malayalam

(C) Kannada

(D) Marathi

**Question Id : 70**

Option Id

☐ 70001

☐ 70002

☐ 70003

☐ 70004

**Right Answer :**

Marathi

**Right Option Id : 70004**

#### Question 73

Which of the following statements is true regarding Fundamental Rights?

Answer :

(A) Fundamental Rights are given as per will of president to every citizen.

(B) Fundamental Rights can only be suspended during a national emergency.

(C) Fundamental Rights are based on age and are transferable rights.

(D) Fundamental Rights are our natural rights and transferable rights.

**Question Id : 62**

Option Id

☐ 62001

☐ 62002

☐ 62003

☐ 62004

**Right Answer :**

Fundamental Rights can only be suspended during a national emergency.

**Right Option Id : 62002**

#### Question 74

Which among the following is the ideal that a state must keep in mind while framing policies?

Answer :

(A) Socialism

(B) Directive Principles of State Policy

(C) Gandhian Principles

(D) Fundamental Rights

**Question Id : 63**

Option Id

☐ 63001

☐ 63002

☐ 63003

☐ 63004

**Right Answer :**

Directive Principles of State Policy

**Right Option Id : 63002**

#### Question 75

Who among the following was one of the founders of All India Trade Union Congress (AITUC) founded in 1920?

Answer :

(A) Lala Lajpat Rai

(B) M. K. Gandhi

**Question Id : 65**

Option Id

☐ 65001

(C) Subhash Chandra Bose

☐ 65002

(D) Lokmanya Tilak

☐ 65003

☐ 65004

**Right Answer :**

Lala Lajpat Rai

**Right Option Id : 65001**

**Question 76**

Recently, Resource Efficiency Circular Economy Industry Coalition (RECEIC) has been launched in which city of India?

**Question Id : 64**

**Answer :**

**Option Id**

(A) Bangalore

☐ 64001

(B) Chennai

☐ 64002

(C) New Delhi

☐ 64003

(D) Nagpur

☐ 64004

**Right Answer :**

Chennai

**Right Option Id : 64002**

**Question 77**

What is the shape of the building of International Exhibition Cum Convention Centre (Bharat Mandapam) that is recently inaugurated at New Delhi?

**Question Id : 61**

**Answer :**

**Option Id**

(A) Swastika (The clockwise right facing symbol)

☐ 61001

(B) Shankh (Conch Shell)

☐ 61002

(C) Lotus

☐ 61003

(D) Trishul

☐ 61004

**Right Answer :**

Shankh (Conch Shell)

**Right Option Id : 61002**

**Question 78**

How many total gold medals did India win at the IISF Junior World Championships 2023 held at Republic of Korea?

**Question Id : 66**

**Answer :**

**Option Id**

(A) 6

☐ 66001

(B) 17

☐ 66002

(C) 7

☐ 66003

(D) 16

☐ 66004

**Right Answer :**

6

**Right Option Id : 66001**

**Question 79**

Name the Indian Scientist who has recently won the prestigious 'Eni Award' for the category of Advanced Environmental Solutions.

**Question Id : 67**

**Answer :**

**Option Id**

(A) Prof. Thalappil Pradeep

☐ 67001

(B) Joyeeta Gupta

☐ 67002

(C) Debdeep Mukhopadhyay

☐ 67003

(D) Dr. Anish Ghosh

☐ 67004

**Right Answer :**  
Prof. Thalappil Pradeep

**Right Option Id : 67001**

**Question 80**

Which of the following apps has been launched to facilitate widespread access to basic literacy in India?

**Answer :**

- (A) UMANG
- (B) ULLAS
- (C) UNMESHA
- (D) UTKARSHA

**Question Id : 68**

**Option Id**

- ☐ 68001
- ☐ 68002
- ☐ 68003
- ☐ 68004

**Right Answer :**  
ULLAS

**Right Option Id : 68002**

**SECTION 5**

**Question 81**

Which part of the sentence is incorrect?:

"The chapter focusses by the life of the Johnson family."

**Answer :**

- (A) The chapter focusses
- (B) by the life
- (C) of the Johnson family
- (D) No error

**Question Id : 99**

**Option Id**

- ☐ 99001
- ☐ 99002
- ☐ 99003
- ☐ 99004

**Right Answer :**  
by the life

**Right Option Id : 99002**

**Question 82**

Choose the correct verb form:

"Last night, I \_\_\_\_ about a beautiful car."

**Answer :**

- (A) dream
- (B) dreaming
- (C) will dream
- (D) dreamt

**Question Id : 98**

**Option Id**

- ☐ 98001
- ☐ 98002
- ☐ 98003
- ☐ 98004

**Right Answer :**  
dreamt

**Right Option Id : 98004**

**Question 83**

Give the correct synonym for the word:

Explicit

**Answer :**

- (A) Implicit
- (B) Implied
- (C) Express
- (D) Indefinite

**Question Id : 97**

**Option Id**

- ☐ 97001
- ☐ 97002
- ☐ 97003
- ☐ 97004

**Right Answer :**

Express

**Right Option Id : 97003**

**Question 84**

Give the correct antonym for the given word:

Vanity

**Answer :**

(A) Pride

(B) Humility

(C) Conceit

(D) Egoism

**Question Id : 96**

Option Id

☐ 96001

☐ 96002

☐ 96003

☐ 96004

**Right Answer :**

Humility

**Right Option Id : 96002**

**Question 85**

Select the wrongly spelt word in the following.

**Answer :**

(A) reminascent

(B) remembrance

(C) remnant

(D) remittance

**Question Id : 95**

Option Id

☐ 95001

☐ 95002

☐ 95003

☐ 95004

**Right Answer :**

reminascent

**Right Option Id : 95001**

**Question 86**

Choose the correct meaning of the idiom or phrase given.:

"To smell a rat"

**Answer :**

(A) To see signs of plague epidemic

(B) To get bad smell of a bad dead rat

(C) To suspect foul dealings

(D) To be in a bad mood

**Question Id : 94**

Option Id

☐ 94001

☐ 94002

☐ 94003

☐ 94004

**Right Answer :**

To suspect foul dealings

**Right Option Id : 94003**

**Question 87**

Give one word substitute for the following:

"Fear of strangers"

**Answer :**

(A) xenophobia

(B) epicure

(C) logophilia

(D) anatomy

**Question Id : 93**

Option Id

☐ 93001

☐ 93002

☐ 93003

☐ 93004

**Right Answer :**

xenophobia

**Right Option Id : 93001**



**Question 88**

His bodyguards are checking out the bathroom.  
(Change this sentence into passive voice.)

Answer :

- (A) The bathroom is being checked out by the bodyguards.
- (B) The bathroom has been checked by the bodyguards.
- (C) The bathroom was being checked out by the bodyguards.
- (D) The bathroom had been checked out by the bodyguards.

**Right Answer :**

The bathroom is being checked out by the bodyguards.

**Question Id : 92**

Option Id

- ☐ 92001
- ☐ 92002
- ☐ 92003
- ☐ 92004

**Right Option Id : 92001****Question 89**

Change the speech of the following sentence.:  
Mohan said to her, "You have completed your work.

Answer :

- (A) Mohan told her that she had completed her work.
- (B) Mohan told her that she has completed her work.
- (C) Mohan told her that she was completed her work.
- (D) Mohan told her that she had completed his work.

**Right Answer :**

Mohan told her that she had completed her work.

**Question Id : 91**

Option Id

- ☐ 91001
- ☐ 91002
- ☐ 91003
- ☐ 91004

**Right Option Id : 91001****Question 90**

Choose the correct article:  
"I bought \_\_\_\_ new bike."

Answer :

- (A) a
- (B) an
- (C) the
- (D) No Article

**Right Answer :**

a

**Question Id : 81**

Option Id

- ☐ 81001
- ☐ 81002
- ☐ 81003
- ☐ 81004

**Right Option Id : 81001****Question 91**

Choose the correct antonym:  
"consensus"

Answer :

- (A) concurrence
- (B) confusion
- (C) crisis
- (D) disagreement

**Right Answer :**

disagreement

**Question Id : 89**

Option Id

- ☐ 89001
- ☐ 89002
- ☐ 89003
- ☐ 89004

**Right Option Id : 89004**

**Question 92**

Choose the correct synonym:  
"environment"

Answer :

- (A) heredity
- (B) family
- (C) nationality
- (D) surroundings

**Right Answer :**  
surroundings

**Question Id : 88**

Option Id

- ☐ 88001
- ☐ 88002
- ☐ 88003
- ☐ 88004

**Right Option Id : 88004**

**Question 93**

Choose the correct one-word substitute:  
"A doctor who treats children and infants"

Answer :

- (A) Dermatologist
- (B) Gynaecologist
- (C) Podiatrist
- (D) Paediatrician

**Right Answer :**  
Paediatrician

**Question Id : 87**

Option Id

- ☐ 87001
- ☐ 87002
- ☐ 87003
- ☐ 87004

**Right Option Id : 87004**

**Question 94**

Choose the correct reported speech:  
My friend said, "The last bus had already left."

Answer :

- (A) My friend said that the last bus had already left.
- (B) My friend says that the last bus had already left.
- (C) My friend said that the last bus already left.
- (D) My friend said that the last bus had already leave.

**Right Answer :**  
My friend said that the last bus had already left.

**Question Id : 86**

Option Id

- ☐ 86001
- ☐ 86002
- ☐ 86003
- ☐ 86004

**Right Option Id : 86001**

**Question 95**

Change the voice:  
"Vijay threw away the old books."

Answer :

- (A) The old books are thrown away by Vijay.
- (B) The old books were threw away by Vijay.
- (C) The old books were thrown away by Vijay.
- (D) The old book was thrown away by Vijay.

**Right Answer :**  
The old books were thrown away by Vijay.

**Question Id : 85**

Option Id

- ☐ 85001
- ☐ 85002
- ☐ 85003
- ☐ 85004

**Right Option Id : 85003**

**Question 96**

Spot the error in the sentence:

"Rahul was unhappy because he would not attend the marriage of his friend yesterday."

Answer :

- (A) Rahul was unhappy
- (B) because he would
- (C) not attend the marriage
- (D) of his friend yesterday.

**Right Answer :**

because he would

**Question Id : 84**

Option Id

- ☐ 84001
- ☐ 84002
- ☐ 84003
- ☐ 84004

**Right Option Id : 84002**

**Question 97**

Choose the correct preposition:

"Everyone was nervous \_\_\_\_ the exam."

Answer :

- (A) while
- (B) before
- (C) since
- (D) on

**Right Answer :**

before

**Question Id : 83**

Option Id

- ☐ 83001
- ☐ 83002
- ☐ 83003
- ☐ 83004

**Right Option Id : 83002**

**Question 98**

Rearrange the sentence:

- i) Andhra Pradesh on Monday morning
- ii) EMISAT, from Sriharikota in coastal
- iii) The Indian Space Research Organisation (ISRO) launched
- iv) the country's first electronic surveillance satellite

Answer :

- (A) i-ii-iii-iv
- (B) ii-i-iii-iv
- (C) iii-ii-i-iv
- (D) iii-iv-ii-i

**Right Answer :**

iii-iv-ii-i

**Question Id : 82**

Option Id

- ☐ 82001
- ☐ 82002
- ☐ 82003
- ☐ 82004

**Right Option Id : 82004**

**Question 99**

Select the correctly spelled word:

Answer :

- (A) exaseration
- (B) exaggeration
- (C) exageration
- (D) exazeration

**Right Answer :**

exaggeration

**Question Id : 90**

Option Id

- ☐ 90001
- ☐ 90002
- ☐ 90003
- ☐ 90004

**Right Option Id : 90002**

**Question 100**

Choose the correct preposition:

"Next week I am going to Ooty \_\_\_\_ three days."

Answer :

(A) since

(B) for

(C) into

(D) after

**Right Answer :**

for

**Question Id : 100**

Option Id

☐ 100001

☐ 100002

☐ 100003

☐ 100004

**Right Option Id : 100002**