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# Question Paper Preview

**Notations :**

1.Options shown in green color and with ✔ icon are correct.

2.Options shown in red color and with ✖ icon are incorrect.

| | |
|---|---|
| **Question Paper Name:** | RRB Level 1 12th Oct 2018 Shift2 |
| **Subject Name:** | Level 1 |
| **Duration:** | 90 |
| **Total Marks:** | 100 |
| **Display Marks:** | No |
| **Share Answer Key With Delivery Engine:** | Yes |
| **Actual Answer Key:** | Yes |
| **Calculator:** | None |
| **Magnifying Glass Required?:** | No |
| **Ruler Required?:** | No |
| **Eraser Required?:** | No |
| **Scratch Pad Required?:** | No |
| **Rough Sketch/Notepad Required?:** | No |
| **Protractor Required?:** | No |
| **Show Watermark on Console?:** | No |
| **Highlighter:** | No |
| **Auto Save on Console?:** | No |

| | |
|---|---|
| **Display Number Panel:** | Yes |
| **Group All Questions:** | No |

**Question Number : 1 Question Id : 6913523801 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

$[29-(-2)\{6-(7-3)\}] \div [3 \times \{5+(-3) \times (-2)\}] = ?$

**Options :**

1. ✖ 3

2. ✔ 1

3. ✖ $-11$

4. ✖ $-1$

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**Question Number : 2 Question Id : 6913523802 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

What is the value of $-4-(-8-24\div 4)$?

**Options :**

1. ✖ $-12$

2. ✔ 10

3. ✖ $-18$

4. ✖ 8

**Question Number : 3 Question Id : 6913523803 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

Which of the following numbers is a composite number?

**Options :**

1. ✖ 41

2. ✖ 31

3. ✔ 91

4. ✖ 71

**Question Number : 4 Question Id : 6913523804 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

What is the value of $\{(36)^2 - (35)^2\} = ?$

**Options :**

1. ✖ 73

2. ✔ 71

3. ✖ 72

4. ✖ 75

**Question Number : 5 Question Id : 6913523805 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

Select the most appropriate option to fill in the blank.

$(-9)\,[55 \div \{6-(-5)\}] =$ ____.

**Options :**

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1. ✖ 63

2. ✖ –63

3. ✔ – 45

4. ✖ 45

**Question Number : 6 Question Id : 6913523806 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

What is the value of $\sqrt{0.8}$?

**Options :**

1. ✖ 0.964

2. ✖ 0.694

3. ✖ 0.984

4. ✔ 0.894

**Question Number : 7 Question Id : 6913523807 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

$154 \div [30 - \{33 - (25 - 176 \div \overline{4 \times 4})\}] = ?$

**Options :**

1. ✖ 11

2. ✔ 14

3. ✖ 22

4. ✖ 2

**Question Number : 8 Question Id : 6913523808 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

$\sqrt{2}$, correct to 8 decimal places equals

**Options :**

1. ✖ 1.41421354

2. ✖ 1.41421346

3. ✔ 1.41421356

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4. ✖ 1.41421366

**Question Number : 9 Question Id : 6913523809 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

In a party, the ratio of men to women present is 4 : 7. How many people are present at the party?

**Options :**

1. ✖ 64

2. ✔ 66

3. ✖ 70

4. ✖ 78

**Question Number : 10 Question Id : 6913523810 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

Buying a shirt at ₹ 825, Sunidhi sold it at a profit of 32%. The selling price of the shirt was ₹_____.

**Options :**

1. ✔ ₹ 1089

2. ✖ ₹ 960

3. ✖ ₹ 975

4. ✖ ₹ 1025

**Question Number : 11 Question Id : 6913523811 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

A person incurs a loss of 20% by selling type A tea at the rate of ₹ 160 per kilogram. The same person is making a profit of 25% by selling type B tea at the rate of ₹ 400 per kilogram. What would be ratio of type A and type B in a mixture of these two types, to make a profit of 25% with a selling price of ₹ 300 per kilogram?

**Options :**

1. ✖ 1 : 2

2. ✔ 2 : 1

3. ✖ 3 : 2

4. ✖ 4 : 5

**Question Number : 12 Question Id : 6913523812 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

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The ratio of the numbers of marbles Troyee and Ragini had was 9 : 8, whereas the ratio of the numbers of marbles Javed and Ragini had was 5 : 12, respectively. What is the ratio of the numbers of marbles Troyee and Javed had, respectively?

**Options :**

1. ✖ 5 : 9

2. ✔ 27 : 10

3. ✖ 9 : 5

4. ✖ 6 : 5

**Question Number : 13 Question Id : 6913523813 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

A train travelling at a speed of 48 km/h crosses a 200-m-long platform in 27 seconds. What is the length of the train?

**Options :**

1. ✖ 240 m

2. ✔ 160 m

3. ✖ 140 m

4. ✖ 180 m

**Question Number : 14 Question Id : 6913523814 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

If 3 men or 4 women can earn ₹ 480 per day, how much will 5 men and 7 women earn per day?

**Options :**

1. ✔ ₹ 1,640

2. ✖ ₹ 822.86

3. ✖ ₹ 1,235

4. ✖ ₹ 1,568

**Question Number : 15 Question Id : 6913523815 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

A swimmer swims at the speed of 9 km / h in still water and finds that the time taken to cover a certain distance in the direction of the stream is half as compared to the time taken to cover the same distance in the opposite direction of the stream. Find out the speed of the water.

**Options :**

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1. ✖ 5 km / h

2. ✖ 8 km / h

3. ✖ 10 km / h

4. ✔ 3 km / h

**Question Number : 16 Question Id : 6913523816 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

The ratio of the present ages of Suresh and Taimur is 4 : 3. 14 years from now the ratio of their ages will be 6 : 5. The current ae of Taimur is _____ years.

**Options :**

1. ✔ 21

2. ✖ 24

3. ✖ 27

4. ✖ 30

**Question Number : 17 Question Id : 6913523817 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

Two gas filling tubes A and B can fill up a gas cylinder in 12 minutes and 15 minutes respectively. But a third tube can empty it in 6 minutes. The first two tubes are kept opened for 5 minutes in the beginning and then the third tube is also opened. In what time is the cylinder emptied?

**Options :**

1. ✖ 30 minutes

2. ✔ 45 minutes

3. ✖ 60 minutes

4. ✖ 70 minutes

**Question Number : 18 Question Id : 6913523818 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

A tank is normally filled up in 8 hours but takes two hours longer to fill it up because of a leak at the bottom. If the tank is full, the leak alone will empty it in _____.

**Options :**

1. ✖ 10 hours

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2. ✖ 20 hours

3. ✖ 30 hours

4. ✔ 40 hours

**Question Number : 19 Question Id : 6913523819 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

22 February 2002 was a Friday. What day of the week was it on 15 March 2008?

**Options :**

1. ✔ Saturday

2. ✖ Sunday

3. ✖ Monday

4. ✖ Friday

**Question Number : 20 Question Id : 6913523820 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

A right triangular prism has the ratio of the sides of its base as 8 : 15: 17. If the height of the prism is 21 cm and the sum of the areas of the lateral sides is 840 sq cm, then find the volume of the prism in cubic centimeter?

**Options :**

1. ✖ 1200

2. ✖ 1240

3. ✔ 1260

4. ✖ 1280

**Question Number : 21 Question Id : 6913523821 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

If you see a rocket at an angle of elevation of 30 degrees and at a distance of 3 km from the rocket launch pad, how high is the rocket?

**Options :**

1. ✖ $3\sqrt{3}$ km

2. ✔ $\sqrt{3}$ km

3. ✖ 6 km

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4. ✖ $3\sqrt{3}/2$ km

**Question Number : 22 Question Id : 6913523822 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

From the top of a platform 10 m high, the angle of elevation of the top of a tower was $30^0$. If the tower was 70 m high, how far away from the tower was the platform positioned?

**Options :**

1. ✖ 60 m

2. ✖ $20\sqrt{3}$ m

3. ✖ $70\sqrt{3}$ m

4. ✔ $60\sqrt{3}$ m

**Question Number : 23 Question Id : 6913523823 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

A group of 19 students took a test. Another student joined the group after taking the test at a later time. If after including this student's marks, the average score of the group went up by 1.5, then this student has got _____ marks more than the average marks without her being included.

**Options :**

1. ✖ 25

2. ✔ 30

3. ✖ 28.5

4. ✖ 24

**Question Number : 24 Question Id : 6913523824 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

When $\frac{x-1}{x} = 3$, find the value of $\frac{x^2+1}{x^2}$

Note: For this question, discrepancy is found in question/answer. So,this question is ignored for all candidates.

**Options :**

1. 3

2. 7

3. 9

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4. 11

**Question Number : 25 Question Id : 6913523825 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

If $a^2 - b^2 = 10$ and $ab = 4$, find the value $of\ a^4 + b^4$.

**Options :**

1. ✔ 132

2. ✖ 116

3. ✖ 84

4. ✖ 156

**Question Number : 26 Question Id : 6913523826 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

Nikita's mother's brother's son is Suresh. How is Suresh related to Nikita?

**Options :**

1. ✔ Cousin

2. ✖ Aunt

3. ✖ Mother

4. ✖ Grandmother

**Question Number : 27 Question Id : 6913523827 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

Choose the organisation which **DOES NOT** belong to the group:

**Options :**

1. ✖ Axis Bank

2. ✖ ICICI Bank

3. ✖ IDBI Bank

4. ✔ IIM Ranchi

**Question Number : 28 Question Id : 6913523828 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

In a certain code, NEWTON is written as NOTNEW. How is PASCAL written in that code?

**Options :**

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1. ✖ ACASPL

2. ✔ LACPAS

3. ✖ LACSAP

4. ✖ ASPACT

**Question Number : 29 Question Id : 6913523829 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

In a code language, CAR is written as X24Z26I9. What is the code for DRIVE?

**Options :**

1. ✖ W22I9R18E5V23

2. ✖ W23I8R19E5V22

3. ✔ W23I9R18E5V22

4. ✖ W23I9R18E5V23

**Question Number : 30 Question Id : 6913523830 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

Select the option that is related to the third word on the same basis as the second word is related to the first word.

Pray : Temple :: Cook :

**Options :**

1. ✖ Rice

2. ✖ Cooker

3. ✖ Ladle

4. ✔ Kitchen

**Question Number : 31 Question Id : 6913523831 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

If in a certain language TEMPLE is coded as UFNQMF, which word would be coded as SING?

**Options :**

1. ✖ TJKP

2. ✔ TJOH

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3. ✖ JTOH

4. ✖ TJOZ

**Question Number : 32 Question Id : 6913523832 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

A statement is followed by two arguments. Decide which of the arguments is/are strong with respect to the statement.

**Statement:** Should children be punished for lying?

**Arguments :**

I. Yes, age appropriate fair punishment is one of the ways to discipline children.

II. No, Punishment only instills a fear of being punished not bring in desired behavior.

**Options :**

1. ✖ Only argument I is strong

2. ✖ Only argument II is strong

3. ✖ Neither I nor II is strong

4. ✔ Both I and II are strong.

**Question Number : 33 Question Id : 6913523833 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

A statement is followed by two arguments. Decide which of the arguments is/are strong with respect to the statement.

**Statement**:

We need to ask this question that whether the products patented and manufactured in western countries be first tried out on sample basis before giving license for sale to general public in India?

**Arguments**:

I. Yes, it is required, as many such products may not suit the Indian population needs.

II. No, it is not required as this is just not feasible and hence cannot be implemented.

**Options :**

1. ✔ Only argument I is strong

2. ✖ Only argument II is strong

3. ✖ Both I and II are strong

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4. ✖ Neither arguments are strong

**Question Number : 34 Question Id : 6913523834 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

A statement is followed by two arguments. Decide which of the arguments is/are strong with respect to the statement.

Statement:

Should news of only deserving reporters be allowed to be published in the newspaper?

Arguments:

1. Yes, it will save lot of paper and intern trees
2. No, deserving and underserving cannot be justified

**Options :**

1. ✖ Only argument 1 is strong
2. ✔ Only argument 2 is strong
3. ✖ Either argument 1 or 2 is strong
4. ✖ Neither argument 1 nor 2 is strong

**Question Number : 35 Question Id : 6913523835 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

A statement is followed by two arguments. Decide which of the arguments is/are strong with respect to the statement.

**Statement**:

Should we resort to more traditional medication?

**Arguments**:

I. Yes, as newer studies reveal that there are scientific basis to different medicinal practices.

II. No, though we can resort to traditional medication, the modern medicines and procedures offer quick fix and relief from aliments.

**Options :**

1. ✔ Both I and II are strong.
2. ✖ Only argument II is strong.
3. ✖ Neither I nor II is strong.

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4. ✖ Only argument I is strong.

**Question Number : 36 Question Id : 6913523836 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

Which alphanumeric set will follow in the given series?

10K, 14L, 18N, 22Q, ?

**Options :**

1. ✖ 25G

2. ✔ 26U

3. ✖ 26A

4. ✖ 22K

**Question Number : 37 Question Id : 6913523837 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

Find the missing number in the given series?

7, 10, 14, 19, ?, 32

**Options :**

1. ✖ 18

2. ✖ 20

3. ✔ 25

4. ✖ 27

**Question Number : 38 Question Id : 6913523838 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

6 6 8 5 5 3 7 3 7 2 5 8 8 7 8 1 5 5 3

How many 5 are there in the above sequence that are not divisible by the number on their left but completely divisible by the number on their right?

**Options :**

1. ✖ 0

2. ✔ 1

3. ✖ 2

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4. ✖ 3

**Question Number : 39 Question Id : 6913523839 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

By applying which of the following meanings of arithmetical signs, will the value of

$800 - 10 \div \frac{1}{2} \times 40 + 40$ be 40?

**Options :**

1. ✔ – means ÷, × means +, + means –, ÷ means ×

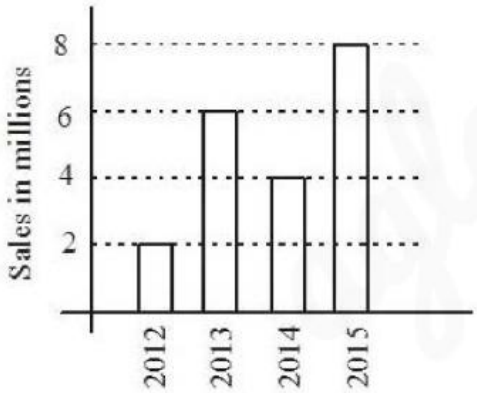
2. ✖ – means ÷, × means ×, + means –,÷ means ×

3. ✖ ÷ means ÷, × means ÷,+ means –, – means ×

4. ✖ – means ÷, + means ×, × means –, ÷means +

**Question Number : 40 Question Id : 6913523840 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

The given bar graph shows the sales revenue of steel company 'ABC' for the past four years.




In which year did company ABC garner the highest sales revenue?

**Options :**

1. ✖ 2012

2. ✖ 2013

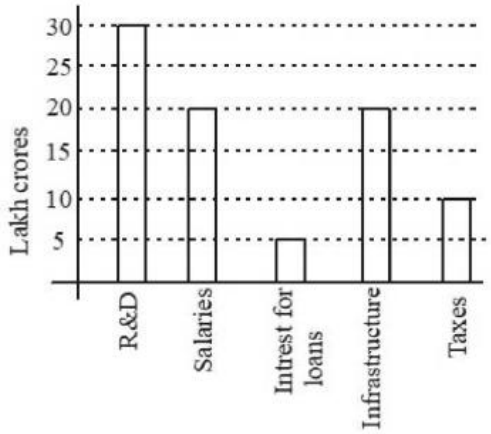
3. ✖ 2014

4. ✔ 2015

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**Question Number : 41 Question Id : 6913523841 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

The graph below shows the expenditure of public sector company 'ABC' under different heads for the financial year 2015-16.Which head has the highest expenditure for the year 2015-2016?




**Options :**

1. ✔ R & D

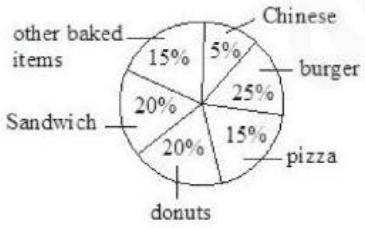
2. ✖ Sales

3. ✖ Infrastructure

4. ✖ Taxes

**Question Number : 42 Question Id : 6913523842 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

The following pie diagram shows information on the sales of different types of food items by restaurant XYZ.




The total revenue made by the restaurant in Nov 2017 was 35 lakh.

Which of the following types of food items made the highest sales among other food items offered by restaurant XYZ?

**Options :**

1. ✔ Burger

2. ✖ Chinese

3. ✖ Pizza

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4. ✖ Donuts

**Question Number : 43 Question Id : 6913523843 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

You are given a question and two statements. Identify which of the statements is/are necessary/sufficient to answer the question.

Question:

Among five friends, who is the tallest?

Statements:

I. Deepa is taller than Veena and Chithra.

II. Pranavi is shorter than Abi but taller than Deepa.

**Options :**

1. ✖ Data in I alone is sufficient

2. ✖ Data in II alone is sufficient

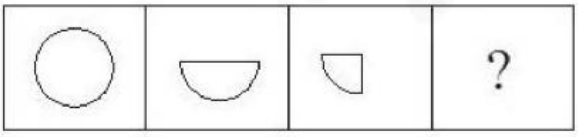
3. ✖ Data either in I alone or II alone are sufficient

4. ✔ Data in both I and II together are necessary

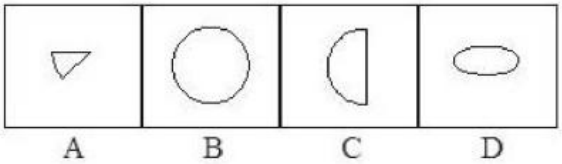
**Question Number : 44 Question Id : 6913523844 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

Pick the figure that will complete the given series.

**Problem figures:**




**Answer figures:**




**Options :**

1. ✔ A

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2. ✖ B

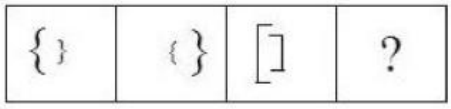
3. ✖ C

4. ✖ D

**Question Number : 45 Question Id : 6913523845 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

Find the next figure for the given series:

Problem figures:



Answer figures:



A B C D

**Options :**

1. ✔ A

2. ✖ B

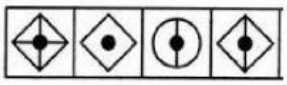
3. ✖ C

4. ✖ D

**Question Number : 46 Question Id : 6913523846 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**



Choose the correct figure which will replace the question mark in the above series from the figures given below.



A B C D

**Options :**

1. ✖ A

2. ✖ B

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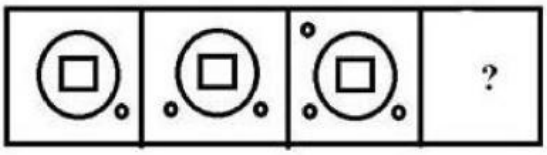
3. ✖ C

4. ✔ D

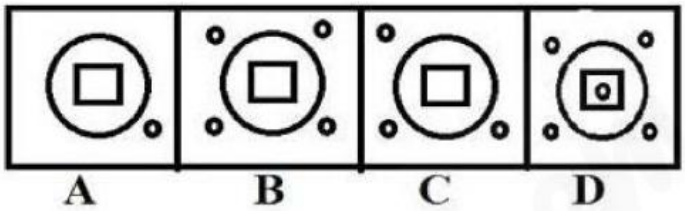
**Question Number : 47 Question Id : 6913523847 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

Pick the figure that will complete the given series.

**Problem figures:**




**Answer figures:**




**Options :**

1. ✖ A

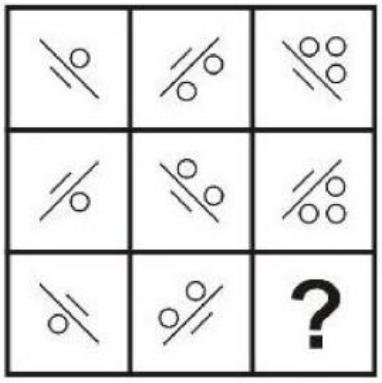
2. ✔ B

3. ✖ C

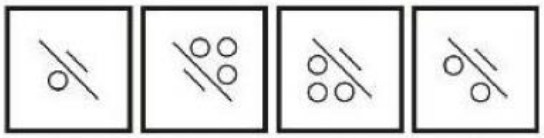
4. ✖ D

**Question Number : 48 Question Id : 6913523848 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

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Choose the correct picture that fits in the blank place:




**Options :**

1. ✖ A

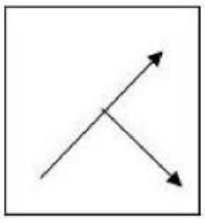
2. ✖ B

3. ✔ C

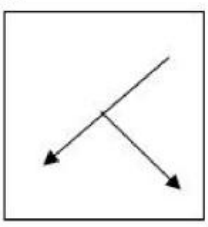
4. ✖ D

**Question Number : 49 Question Id : 6913523849 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

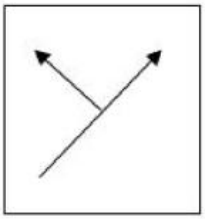
Choose the correct mirror image for the following:

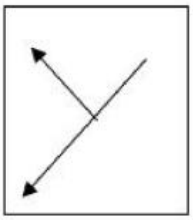


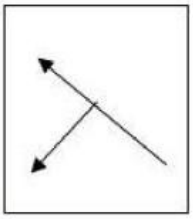
**Options :**

1. ✖ 

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2. ✖ 

3. ✖ 

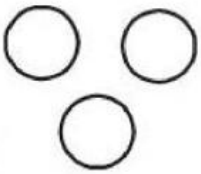
4. ✔ 

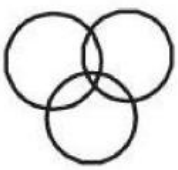
**Question Number : 50 Question Id : 6913523850 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

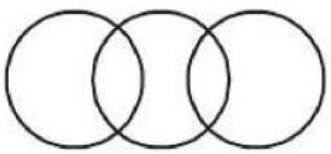
Choose the best suitable Venn diagram for the following words:

Frog, Cat, Dog

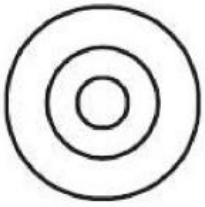
**Options :**

1. ✔ 

2. ✖ 

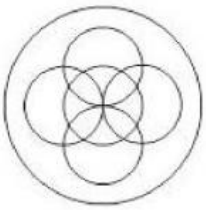
3. ✖ 

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4. ✖ 

**Question Number : 51 Question Id : 6913523851 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

Count the number of circles in the following figure.



**Options :**

1. ✖ 5

2. ✔ 6

3. ✖ 7

4. ✖ 8

**Question Number : 52 Question Id : 6913523852 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

What time does the mirror image on the clock at 2'O clock show?

**Options :**

1. ✖ 04:00

2. ✖ 06:00

3. ✔ 10:00

4. ✖ 08:00

**Question Number : 53 Question Id : 6913523853 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

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Sravani painted three squares with different patterns, figures a and b are related in a particular way or manner. Establish the same relationship between c and d choosing from five alternatives.







**Options :**

1. ✖ 1

2. ✔ 2

3. ✖ 3

4. ✖ 5

**Question Number : 54 Question Id : 6913523854 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

Raghu faces towards the East in the morning, turns 90° clockwise and then 135° anti-clockwise. In which direction is he now facing?

**Options :**

1. ✔ North-East

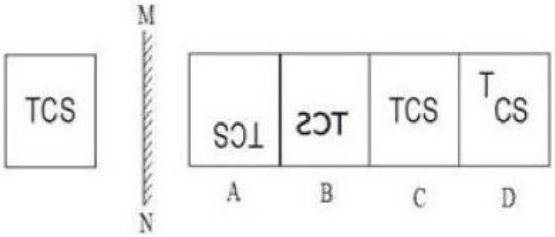
2. ✖ South-West

3. ✖ West

4. ✖ East

**Question Number : 55 Question Id : 6913523855 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

Find the mirror Image for the figure given:




**Options :**

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1. ✖ A

2. ✔ B

3. ✖ C

4. ✖ D

**Question Number : 56 Question Id : 6913523856 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

Ram swims in a 103 m long pool. He covers 206 m in one minute by swimming from one end to the other and back along the same straight path. Find his average speed?

**Options :**

1. ✖ $2.5\ ms^{-1}$

2. ✔ $3.43\ ms^{-1}$

3. ✖ $2.45\ ms^{-1}$

4. ✖ $2.44\ ms^{-1}$

**Question Number : 57 Question Id : 6913523857 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

A physical quantity which CANNOT be negative is _____.

**Options :**

1. ✖ Force

2. ✖ Velocity

3. ✖ Acceleration

4. ✔ Distance

**Question Number : 58 Question Id : 6913523858 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

An object of mass 150 kg is accelerated uniformly from a velocity of $6ms^{-1}$ to $16\ ms^{-1}$ in 5 s. Find the acceleration.

**Options :**

1. ✖ $-2ms^{-2}$

2. ✔ $2ms^{-2}$

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3. ✖ $10ms^{-2}$

4. ✖ $-10ms^{-2}$

**Question Number : 59 Question Id : 6913523859 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

What is the force of an object of mass 'm', moving with an acceleration 'a'?

**Options :**

1. ✖ m / a

2. ✔ m × a

3. ✖ a / m

4. ✖ a + m

**Question Number : 60 Question Id : 6913523860 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

Mechanical energy – kinetic energy = ?

**Options :**

1. ✖ Nuclear energy

2. ✖ Chemical energy

3. ✔ Potential energy

4. ✖ Electrical energy

**Question Number : 61 Question Id : 6913523861 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

Which of the following can do more work?

**Options :**

1. ✖ A raised hammer

2. ✖ A rotating wheel

3. ✔ A moving bullet

4. ✖ A speeding stone

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**Question Number : 62 Question Id : 6913523862 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

A certain household has consumed 200 units of energy in a week. How much energy is this in joules?

**Options :**

1. ✖ $72x10^8$ J

2. ✔ $7.2x10^8$ J

3. ✖ $72\ x10^6$ J

4. ✖ $7.2x10^6$ J

**Question Number : 63 Question Id : 6913523863 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

Which of the following statements is/are true/false about the speed of sound in different media at 25°C ?

A. In water (sea), the speed of sound is 1531 m/s.

B. In air, the speed of sound is 346 km/s

**Options :**

1. ✔ Only A is true

2. ✖ Only B is true

3. ✖ Both A and B are true

4. ✖ Neither A nor B is true

**Question Number : 64 Question Id : 6913523864 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

What is the size of an image when an object is placed at position 2F1 of a convex lens?

**Options :**

1. ✖ Enlarged

2. ✖ Diminished

3. ✔ Same size

4. ✖ Highly diminished

**Question Number : 65 Question Id : 6913523865 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

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How will the Resistance of a wire be affected if the Current flowing through it is doubled?

**Options :**

1. ✖ Resistance will be doubled.

2. ✔ Resistance will be halved.

3. ✖ Resistance will be increased four times.

4. ✖ Resistance will remain unaffected.

**Question Number : 66 Question Id : 6913523866 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

A 6 Ω resistance wire is doubled on it. Calculate the new resistance of the wire.

**Options :**

1. ✖ 2.25 Ω

2. ✖ 1.00 Ω

3. ✖ 1.25 Ω

4. ✔ 1.5 Ω

**Question Number : 67 Question Id : 6913523867 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

What is the symbol of Mass Number?

**Options :**

1. ✖ Z

2. ✔ A

3. ✖ M

4. ✖ N

**Question Number : 68 Question Id : 6913523868 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

Atomic radius is measured in _____.

Note: For this question, discrepancy is found in question/answer. So,this question is ignored for all candidates.

**Options :**

1. Millimetres

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2. Micrometres

3. Nanometers

4. Centimetres

**Question Number : 69 Question Id : 6913523869 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

A solution contains 36 g of common salt in 320 g of water. Calculate the concentration in terms of mass by mass percentage of the solution.

**Options :**

1. ✔ 10.11%

2. ✖ 10.12 g

3. ✖ 9.09 %

4. ✖ 13.05 %

**Question Number : 70 Question Id : 6913523870 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

Which of the following statements is true?

**Options :**

1. ✖ During the process of Reduction, an atom loses Electrons.

2. ✖ During the process of Reduction, an atom loses Protons.

3. ✔ During the process of Reduction, an atom gains Electrons.

4. ✖ During the process of Reduction, an atom gains Protons.

**Question Number : 71 Question Id : 6913523871 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

Stinging hair of nettle leaves injects _____, thereby causing burning pain.

**Options :**

1. ✖ ethanoic acid

2. ✔ methanoic acid

3. ✖ acetic acid

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4. ✖ propanoic acid

**Question Number : 72 Question Id : 6913523872 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

Which of the below will melt if you keep them on your palm?

**Options :**

1. ✖ Cs and Na

2. ✖ Na and Ga

3. ✔ Ga and Cs

4. ✖ Li and Na

**Question Number : 73 Question Id : 6913523873 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

The group which is attracted by water molecules is called:

**Options :**

1. ✖ Homologous

2. ✖ hydrophobic

3. ✖ Micelles

4. ✔ Hydrophilic

**Question Number : 74 Question Id : 6913523874 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

Hydrogen and helium are placed in the _____.

**Options :**

1. ✖ $4^{th}$ period

2. ✖ $3^{rd}$ period

3. ✖ $6^{th}$ peroid

4. ✔ $1^{st}$ peroid

**Question Number : 75 Question Id : 6913523875 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

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Which of the following statements is/are true?

A. The $4^{th}$ and $5^{th}$ period contains 18 elements.

B. The $7^{th}$ period is incomplete and contains 33 elements.

C. The $6^{th}$ period contains 32 elements.

**Options :**

1. ✖ B and C

2. ✖ A and B

3. ✖ A, B and C

4. ✔ A and C

**Question Number : 76 Question Id : 6913523876 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

The flexibility in plants is due to a tissue called _____ .

**Options :**

1. ✖ Parenchyma

2. ✖ Chlorenchyma

3. ✔ Collenchyma

4. ✖ Sclerenchyma

**Question Number : 77 Question Id : 6913523877 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

Which of the following is NOT a role of epidermis in plants?

**Options :**

1. ✖ Providing protection

2. ✖ Regulation of transpiration

3. ✖ Formation of insultation stationary air layer with the help of hair

4. ✔ Performing photosynthesis

**Question Number : 78 Question Id : 6913523878 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

Choose the option that is NOT true about vascular system.

**Options :**

1. ✖ Blood is red vascular connective tissue.

2. ✔ It forms about 17-18% of the body weight.

3. ✖ There is about 6.8 liters of blood in an adult person

4. ✖ Life span of human RBCs is 115-120 days.

**Question Number : 79 Question Id : 6913523879 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

Sexual reproduction involves _____ belonging to _____

**Options :**

1. ✔ two parents, opposite sexes

2. ✖ one parent, opposite sexes

3. ✖ one parent, any sex

4. ✖ two parents, same sexes

**Question Number : 80 Question Id : 6913523880 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

_____ is associated with the theory of evolution.

**Options :**

1. ✔ Charles Darwin

2. ✖ Gregor Mendel

3. ✖ Jean-Baptiste Lamarck

4. ✖ Miller

**Question Number : 81 Question Id : 6913523881 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

Who among the following won Season 10 of the Indian Premier League?

**Options :**

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1. ✖ Deccan Chargers

2. ✖ Chennai Super Kings

3. ✔ Mumbai Indians

4. ✖ Royal Challengers Bangalore

**Question Number : 82 Question Id : 6913523882 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

Who among the following became the first woman to score 6,000 runs in Women's ODI cricket?

**Options :**

1. ✖ Soni Yadav

2. ✖ Shiksha Pandey

3. ✖ Preeti Bose

4. ✔ Mithali Raj

**Question Number : 83 Question Id : 6913523883 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

How many medals did India win in the 69$^{th}$ Strandja Memorial Boxing Tournament, 2018?

**Options :**

1. ✖ 5

2. ✖ 9

3. ✔ 11

4. ✖ 15

**Question Number : 84 Question Id : 6913523884 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

Who was honoured with a Padma Vibhushan in the field of 'Art-Music' in 2018?

Note: For this question, discrepancy is found in question/answer. So,this question is ignored for all candidates.

**Options :**

1. AR Rehman

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2. SP Balasubramanyam

3. KJ Yesudas

4. Balmurali Krishna

**Question Number : 85 Question Id : 6913523885 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

Who was the winner of the popular TV show Indian Idol 9?

**Options :**

1. ✖ Khuda Baksh

2. ✖ PVNS Rohit

3. ✔ LV Revanth

4. ✖ Sreeram

**Question Number : 86 Question Id : 6913523886 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

'Pulikalli' which was celebrated in 2017, is a folk-dance form of which state of India?

**Options :**

1. ✔ Kerala

2. ✖ Andhra Pradesh

3. ✖ West Bengal

4. ✖ Odisha

**Question Number : 87 Question Id : 6913523887 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

Who among the following won the Intel International Science and Engineering Fair, the world's largest pre-college science competition in the US?

Note: For this question, discrepancy is found in question/answer. So,this question is ignored for all candidates.

**Options :**

1. Ravi Kanth

2. Amit Prakash

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3. Prashant Ranganathan

4. Palash Kumar

**Question Number : 88 Question Id : 6913523888 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

Who improved the women's right in India during British Rule?

**Options :**

1. ✖ Sarojini Naidu

2. ✔ Pandita Ramabai

3. ✖ Tarabai Shinde

4. ✖ Savitribai Phule

**Question Number : 89 Question Id : 6913523889 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

Who was conferred the 2017 Tata Literature Live Lifetime Achievement Award?

**Options :**

1. ✖ Nabaneeta Dev Sen

2. ✖ Pankaj Mishra

3. ✔ Girish Karnad

4. ✖ Yayati Hayavadana

**Question Number : 90 Question Id : 6913523890 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

Which is the first state to endorse the Centre's Triple Talaq draft bill?

**Options :**

1. ✖ Madhya Pradesh

2. ✖ Gujrat

3. ✔ Uttar Pradesh

4. ✖ Rajasthan

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**Question Number : 91 Question Id : 6913523891 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

In Customer Satisfaction Index, 2017, the rank of Swami Vivekananda Airport, Raipur, was:

**Options :**

1. ✔ First

2. ✖ Second

3. ✖ Third

4. ✖ Fourth

**Question Number : 92 Question Id : 6913523892 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

Who is the present finance secretary of India?

**Options :**

1. ✖ Hashmukh Deshpandey

2. ✔ Hasmukh Adhia

3. ✖ Ashok Lavasa

4. ✖ Mohit Lavasa

**Question Number : 93 Question Id : 6913523893 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

Uttar Pradesh has about _____ tanneries located in Kanpur.

Note: For this question, discrepancy is found in question/answer. So,this question is ignored for all candidates.

**Options :**

1. 50

2. 200

3. 500

4. 700

**Question Number : 94 Question Id : 6913523894 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

In _____the Queen of England was proclaimed as the Empress of India.

**Options :**

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1. ✖ 1876

2. ✖ 1787

3. ✔ 1877

4. ✖ 1867

**Question Number : 95 Question Id : 6913523895 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

_____ was a unique type of land distribution and administrative system evolved during the Sultanate period.

**Options :**

1. ✖ Zamindari

2. ✔ Iqtadari

3. ✖ Patwari

4. ✖ Mahalwari

**Question Number : 96 Question Id : 6913523896 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

_____is the largest freshwater lake in north-eastern India and is located in Manipur.

**Options :**

1. ✖ Chilika Lake

2. ✖ Pulicat Lake

3. ✖ Lake Maracaibo

4. ✔ Loktak Lake

**Question Number : 97 Question Id : 6913523897 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

Indira Gandhi canal originates from _____

**Options :**

1. ✖ Indirasagar Dam

2. ✔ Harike Dam

3. ✖ Sardar Sarovar Dam

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4. ✖ Ukai Dam

**Question Number : 98 Question Id : 6913523898 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

The terms 'bull' and 'bear' are used in _____

**Options :**

1. ✖ Octroi Duty

2. ✖ Over Draft

3. ✔ Stock Exchange

4. ✖ Toll Tax

**Question Number : 99 Question Id : 6913523899 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

Which of these people developed the polio vaccine?

**Options :**

1. ✖ Louis Pasture

2. ✖ Marie curie

3. ✔ Jonas Edward Salk

4. ✖ Alfred B Nobel

**Question Number : 100 Question Id : 6913523900 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

Which Indian state has become the first state to shift its financial year from January to December?

**Options :**

1. ✔ Madhya Pradesh

2. ✖ Andhra Pradesh

3. ✖ Karnataka

4. ✖ Tamil Nadu