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 01st 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 : 6789131601 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

$396 - 39.6 - 3.96 - 0.396 = ?$

Options :

1. ✖ 352.144

2. ✔ 352.044

3. ✖ 352.034

4. ✖ 352.134

Question Number : 2 Question Id : 6789131602 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Simplify:

$(3.6 + 6.4) (3.6 - 6.4) - (3.6 - 6.4)^2 = ?$

Options :

1. ✖ 32.68

2. ✖ 29.6

3. ✔ - 35.84

4. ✖ 32.6

Question Number : 3 Question Id : 6789131603 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the least number which should be multiplied to 63368 to make it a perfect square.

Options :

1. ✖ 1

2. ✔ 2

3. ✖ 4

4. ✖ 8

Question Number : 4 Question Id : 6789131604 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

$1.008 = ?$

Options :

1. ✖ $1\frac{2}{25}$

2. ✔ $1\frac{1}{125}$

3. ✖ $1\frac{2}{125}$

4. ✖ $1\frac{3}{25}$

Question Number : 5 Question Id : 6789131605 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

$$0.295 + 2.95 + 29.5 + 295 = ?$$

Options :

1. ✔ 327.745

2. ✖ 327.746

3. ✖ 327.756

4. ✖ 327.856

Question Number : 6 Question Id : 6789131606 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Simplify:

$$\left(\frac{1-1}{10}\right)\left(\frac{1-1}{11}\right)\left(\frac{1-1}{12}\right) - \left(\frac{1-1}{99}\right)\left(\frac{1-1}{100}\right) = ?$$

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

Options :

1. $\dfrac{9}{100}$

2. $\dfrac{1}{100}$

3. $\dfrac{9999}{10000}$

4. $\dfrac{1}{10000}$

Question Number : 7 Question Id : 6789131607 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Arun spends $\frac{2}{13}$ th of his salary on the education of his children, Tarun and Varun. He spends ₹ 13,006 on Varun's

education, which is $\frac{2}{3}$ rd of his total expenditure on education. What is Arun's total salary?

Options :

1. ✖ ₹ 84,539

2. ✖ ₹ 102,346

3. ✔ ₹ 126,808.50

4. ✖ ₹ 134,278.50

**Question Number : 8 Question Id : 6789131608 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

The reciprocal of a negative rational number _____ .

Options :

1. ✖ is a positive rational number

2. ✔ is a negative rational number

3. ✖ can be either a positive or a negative rational number

4. ✖ is a zero

**Question Number : 9 Question Id : 6789131609 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

A sum of ₹ 2,000 invested at 9.25% simple interest per annum for 4 years will yield an interest of:

Options :

1. ✖ ₹ 555

2. ✖ ₹ 1,110

3. ✔ ₹ 740

4. ✖ ₹ 925

**Question Number : 10 Question Id : 6789131610 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

A toy purchased for ₹ 1125 was sold at a loss of 16%. The selling price of the toy was

Options :

1. ✔ ₹ 945

2. ✖ ₹ 955

3. ✖ ₹ 975

4. ✖ ₹ 960

**Question Number : 11 Question Id : 6789131611 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Inclusive of a profit of 17% Spoorti sold a pair of footwear for ₹ 2,223. What was the cost price of the pair of shoes?

Options :

1. ✖ ₹ 1,905

2. ✔ ₹ 1,900

3. ✖ ₹ 1,870

4. ✖ ₹ 1,880

Question Number : 12 Question Id : 6789131612 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A person has divided a total of ₹ 3,70,000 into three parts and deposited them in three banks offering simple interests of 4%, 5% and 6% respectively. At the end of 1st year the interests received from all three banks are the same. How much has he deposited in those three banks?

Options :

1. ✔ ₹ 1,50,000, ₹ 1,20,000, ₹ 1,00,000

2. ✖ ₹ 1,20,000, ₹ 1,00,000, ₹ 1,50,000

3. ✖ ₹ 1,00,000, ₹ 2,00,000, ₹ 70,000

4. ✖ ₹ 70,000, ₹ 2,00,000, ₹ 1,00,000

Question Number : 13 Question Id : 6789131613 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A train crosses a 155-m-long platform in 16 seconds and a 195-m-long platform in 18 seconds. The speed of the train is:

Options :

1. ✖ 66 km/h

2. ✖ 69 km/h

3. ✔ 72 km/h

4. ✖ 75 km/h

Question Number : 14 Question Id : 6789131614 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A can do a work in 6 days. B takes 8 days to complete it. C takes as long as A and B would take, working together. How long will it take for B and C to complete the work together?

Options :

1. ✔ $\frac{12}{5}$ days

2. ✘ $\frac{11}{5}$ days

3. ✘ $\frac{13}{5}$ days

4. ✘ $\frac{14}{5}$ days

Question Number : 15 Question Id : 6789131615 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Milena and Mashuka, working together, can complete a job in 9 days. However, Mashuka works alone and leaves after completing two-fifths of the job. Then Milena takes over and completes the remaining work by herself. As a result the duo could complete the job in 19.5 days. How many days would Milena alone have taken to do the job if Mashuka worked faster than Milena?

Options :

1. ✔ 22.5

2. ✘ 24

3. ✘ 25.5

4. ✘ 25

Question Number : 16 Question Id : 6789131616 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Two inlet pipes, one twice as efficient as the other, alongside an outlet pipe that can drain the filled cistern empty in 10 hours, can fill the empty cistern in 2.5 hours when working together. How many hours will the less efficient inlet pipe take to fill the empty cistern?

Options :

1. ✘ 8

2. ✘ 7

3. ✔ 6

4. ✘ 5

Question Number : 17 Question Id : 6789131617 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What day would it be on 21st March 2020?

Options :

1. ✖ Sunday

2. ✖ Monday

3. ✔ Saturday

4. ✖ Friday

Question Number : 18 Question Id : 6789131618 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Pipe A can fill an empty cistern in 4.5 hours, whereas along with Pipe B, it can fill it in 2.25 hours. If only Pipe A is turned on for half an hour after which Pipe B is also turned on, how long will it take in all to fill the cistern?

Options :

1. ✖ 2 hours

2. ✖ 2 hours 15 minutes

3. ✖ 2 hours 20 minutes

4. ✔ 2 hours 30 minutes

Question Number : 19 Question Id : 6789131619 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In a square park having an edge of 25 m two 2.2 m wide paths run through the centre of the park. What will be the total cost of gravelling the path at the rate of ₹ $1/dm^2$?

Options :

1. ✔ ₹ 10,516

2. ✖ ₹ 11,000

3. ✖ ₹ 110

4. ✖ ₹ 105.16

Question Number : 20 Question Id : 6789131620 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The height of a right triangular prism is 21 cm and the ratio of the sides of its base is 8:15:17. If the total area of the three lateral surfaces is 840 cm^2, then what is the volume of the prism in cubic centimeter?

Options :

1. ✖ 1269

2. ✖ 1300

3. ✖ 1200

4. ✔ 1260

Question Number : 21 Question Id : 6789131621 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The points scored by 12 persons are as follows 6, 17, 8, 9, 16, 10, 15, 21, 9, 11, 12 and 16. Find the median.

Options :

1. ✖ 10.4

2. ✖ 11.6

3. ✖ 12

4. ✔ 11.5

Question Number : 22 Question Id : 6789131622 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If $8sec^2 x - 7tan^2 x = 11$ and $0^0 \leq x \leq 90^0$, then $x = ?$

Options :

1. ✖ 30^0

2. ✔ 60^0

3. ✖ 45^0

4. ✖ 90^0

Question Number : 23 Question Id : 6789131623 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A group of seven students took a test. Another student joined the group after taking the test later. With the new student's marks included, the average score of the group went up by 2. How much more marks did this student get than the average marks of the initial seven students?

Options :

1. ✖ 14

2. ✔ 16

3. ✖ 18

4. ✖ 20

Question Number : 24 Question Id : 6789131624 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If $a + \frac{1}{a} = -\sqrt{3}$, find the value of $a^3 + \frac{1}{a^3}$.

Options :

1. ✖ $6\sqrt{3}$

2. ✖ $-6\sqrt{3}$

3. ✔ 0

4. ✖ $-3\sqrt{3}$

Question Number : 25 Question Id : 6789131625 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If $cosec\theta + cot\theta = 2.5$, then $cosec\ \theta\ =\ $?

Options :

1. ✖ 1.35

2. ✖ 1.55

3. ✖ 1.50

4. ✔ 1.45

Question Number : 26 Question Id : 6789131626 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Pritam's only sister's father is Raj. Who is Raj to Pritam's mother?

Options :

1. ✔ Husband

2. ✖ Cousin

3. ✖ Father

4. ✖ Friend

Question Number : 27 Question Id : 6789131627 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Choose the one which does NOT belong to the group:

Options :

1. ✖ Tiger

2. ✖ Elephant

3. ✔ Ostrich

4. ✖ Lion

Question Number : 28 Question Id : 6789131628 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Mathura's brother's only sister's mother is Shalaka. How is Mathura related to Shalaka?

Options :

1. ✔ Daughter

2. ✖ Aunt

3. ✖ Cousin

4. ✖ Grandmother

Question Number : 29 Question Id : 6789131629 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In a code language, KEEN is written as PVVM What is the code for PEAL?

Options :

1. ✖ KVZN

2. ✔ KVZO

3. ✖ KVZP

4. ✖ KVZM

Question Number : 30 Question Id : 6789131630 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.

Leg : Dance :: Tail :

Options :

1. ✖ Balance

2. ✖ Wag

3. ✔ Swing

4. ✖ Rotate

Question Number : 31 Question Id : 6789131631 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Read the following statements and the conclusions that follow. Decide which of the two conclusions follow from the given statements.

Statements:

- All the years are dates.

- No date is a day

Conclusions:

1. Some years are days.

2. No day is a date.

Options :

1. ✖ Only conclusion 1 follows

2. ✔ Only conclusion 2 follows

3. ✖ Either conclusion 1 or 2 follows

4. ✖ Both conclusions 1 and 2 follow

Question Number : 32 Question Id : 6789131632 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Each question given below consists of a statement, followed by two arguments numbered I and II. You have to decide which of the arguments is a 'strong' argument.

Statement:

Should table etiquettes be a part of kindergarten curriculum?

Arguments:

I.   Yes, enforcing good etiquette gives children a sense of responsibility.

II.   No, etiquettes are meant only for adults not for children.

Options :

1. ✔ Only argument I is strong

2. ✘ Only argument II is strong

3. ✘ Neither I nor II is strong and

4. ✘ Both I and II are strong.

Question Number : 33 Question Id : 6789131633 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Read the following statement and the arguments that follow. Decide which of the arguments is strong.

Statement:

Subsidy on fertilisers should be provided to rural poor farmers.

Arguments:

I.   Yes, it improves the earnings of the farmers who are the feeders of the nation.

II. No, it is a waste of public money.

Options :

1. ✔ Only argument I is strong

2. ✘ Only argument II is strong

3. ✘ Either argument I or II is strong

4. ✘ Neither argument I nor II is strong

Question Number : 34 Question Id : 6789131634 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Read the following statement and the arguments that follow. Decide which of the arguments is strong.

Statement:

Should North Korea produce nuclear bombs?

Argument:

1. Yes, it is for security of the country.

2. No, it will imbalance power in the region.

Options :

1. ✖ Only argument 1 is strong

2. ✖ Only argument 2 is strong

3. ✖ Either argument 1or 2 is strong

4. ✔ Neither argument 1 and 2 is strong

Question Number : 35 Question Id : 6789131635 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 there be stray dogs roaming in localities?

Arguments:

I.   Yes, they are free and harmless. At times when their population grows, the municipality catches them.

II.   No, they prove to be a menace.

Options :

1. ✔ Both I and II are strong

2. ✖ Only argument II is strong

3. ✖ Neither I nor II is strong

4. ✖ Only argument I is strong

Question Number : 36 Question Id : 6789131636 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the next one for the series given below:
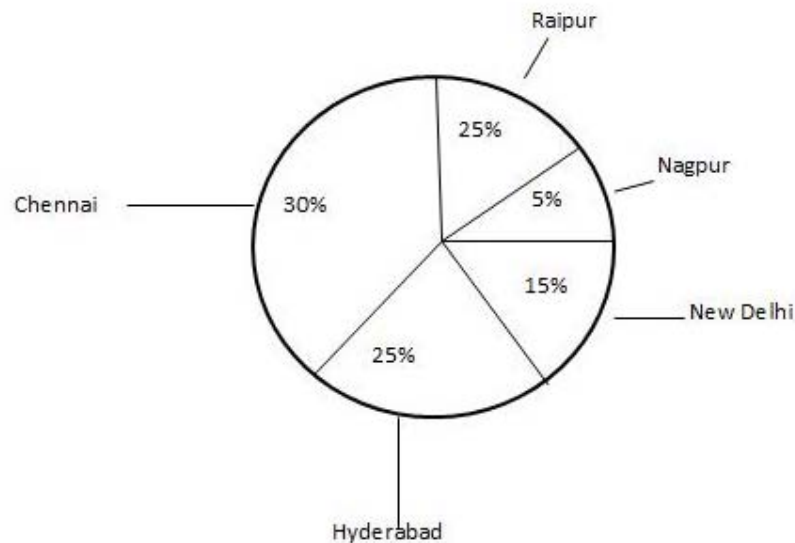
Q-10, O-12, M-14, ?

Options :

1. ✖ I-18

2. ✖ P-11

3. ✔ K-16

4. ✖ N-13

Question Number : 37 Question Id : 6789131637 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If + means ×, × means –, ÷ means + and – means ÷ find the value of: 180–20÷ 12+24×5+22

Options :

1. ✖ 185

2. ✔ 187

3. ✖ 180

4. ✖ 190

Question Number : 38 Question Id : 6789131638 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

ABCDEFGHIJKLMNOPQRSTUVWXYZ

If the alphabets are reversed then the 5th letter to the left of 9th letter from right is?

Options :

1. ✔ N

2. ✖ O

3. ✖ P

4. ✖ M

Question Number : 39 Question Id : 6789131639 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Fill the blank number in the series from given options:

6, 18, 54, 162, ?

Options :

1. ✔ 486

2. ✖ 490

3. ✖ 485

4. ✖ 400

**Question Number : 40 Question Id : 6789131640 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

The data below shows the consumption of rice for different states in India for the year 2012:

If total rice consumption for the year 2012 is 2 lakh tonnes, then how much rice was consumed by Nagpur?

Options :

1. ✔ 10,000 tons

2. ✖ 20,000 tons

3. ✖ 50,000 tons

4. ✖ 1,0,0000 tons

**Question Number : 41 Question Id : 6789131641 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 sufficient to answer the question.

Question:

Find the total number of cubes in a bag.

Statement:

1) The box contains some blue, yellow and white cubes.

2) The number of blue cubes is twice that of yellow cubes and number of white cubes is 12.

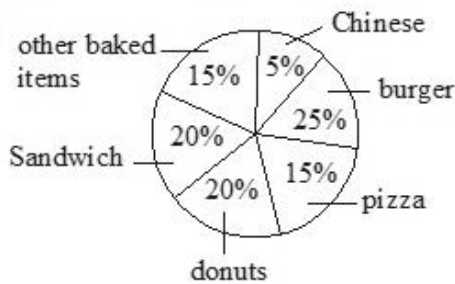**Options :**

1. ✖ Only 1 is sufficient

2. ✖ Only 2 is sufficient

3. ✖ Either 1 or 2 is sufficient

4. ✔ Both 1 and 2 are not sufficient

Question Number : 42 Question Id : 6789131642 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.

How much revenue was made by the restaurant XYZ on the sale of all other baked items in Nov 2017?

Options :

1. ✖ 2 lakh

2. ✖ 2.75 lakh

3. ✔ 5.25 lakh

4. ✖ 5 lakh

Question Number : 43 Question Id : 6789131643 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Read the following information carefully and answer the question that's given below.

A medical representative plans to visit each of six hospitals A, B, C, D, E and F exactly once during the course of one day. He is setting up his schedule for the day according to the following conditions:

i. He must visit B before D.

ii. He must visit A before B and E.
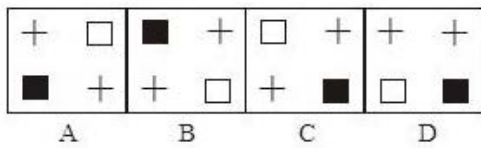
iii. The third hospital he visits must be C.

Which of the following must be true of the medical representative's schedule?

Options :

1. ✖ He visits B before E

2. ✖ He visits C before A

3. ✖ He visits D before E

4. ✔ He visits A before D

Question Number : 44 Question Id : 6789131644 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Out of the four option figures, three are similar in a certain manner. However, one figure is NOT like the other three. Select the figure which is different from the rest.
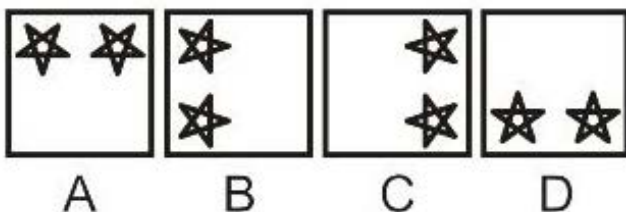

Options :

1. ✖ A

2. ✖ B

3. ✖ C

4. ✔ D

Question Number : 45 Question Id : 6789131645 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Select the correct figure that replaces the (?) symbol above from the given options:

Options :

1. ✔ A

2. ✖ B

3. ✖ C

4. ✖ D

Question Number : 46 Question Id : 6789131646 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Choose the correct picture that will fit in the blank space in the following series.
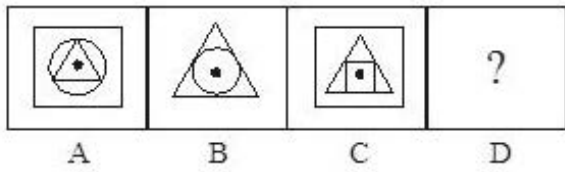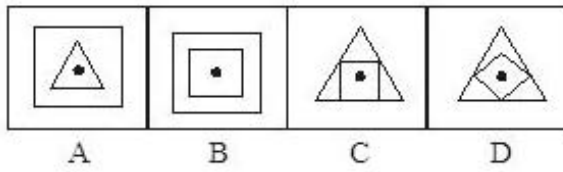

A   B   C   D

Options :

1. ✖ A

2. ✖ B

3. ✖ C

4. ✔ D

Question Number : 47 Question Id : 6789131647 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

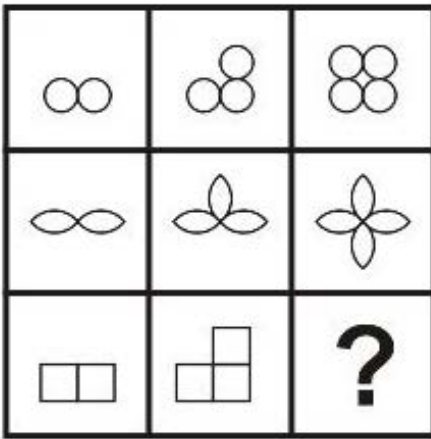Find the next figure for the given series:

Problem figures

| A | B | C | D |

Answer figures:
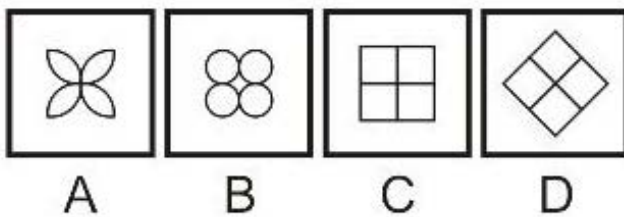

| A | B | C | D |

Options :

1. ✔ A

2. ✖ B

3. ✖ C

4. ✖ D

Question Number : 48 Question Id : 6789131648 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Choose the correct picture that fit the blank place

Options :

1. ✖ A

2. ✖ B

3. ✔ C

4. ✖ D

Question Number : 49 Question Id : 6789131649 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

When seen through a mirror, a clock shows 8:30 as the time. The correct time is _____.
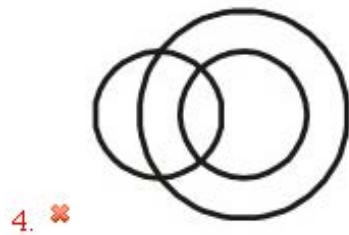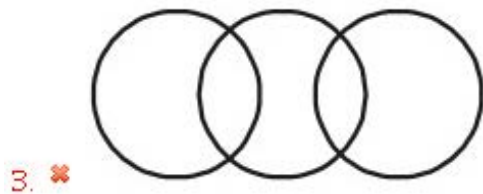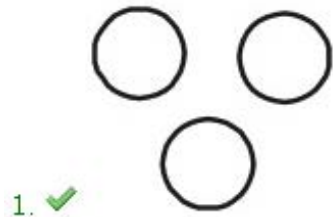
Options :

1. ✖ 4:30

2. ✖ 1:30

3. ✖ 7:30

4. ✔ 3:30

Question Number : 50 Question Id : 6789131650 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:

Books, toys, utensils

Options :

1. ✔

2. ✖

3. ✖

4. ✖

Question Number : 51 Question Id : 6789131651 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Count the number of squares in the figure:

Options :

1. ✖ 36

2. ✔ 38

3. ✖ 40

4. ✖ 42

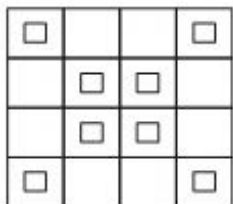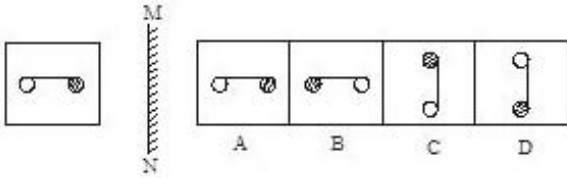**Question Number : 52 Question Id : 6789131652 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

Find the mirror image of the given figure if the mirror is placed at line MN:

Options :

1. ✖ A

2. ✔ B

3. ✖ C

4. ✖ D

Question Number : 53 Question Id : 6789131653 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the answer figures is formed from the shapes given the problem figure?

Problem figure:

Answer figures:

Options :

1. ✔ A

2. ✖ B

3. ✖ C

4. ✖ D

Question Number : 54 Question Id : 6789131654 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In a system, if west becomes north-west, then what will north become?

Options :

1. ✔ North-east

2. ✖ North-west

3. ✖ South

4. ✖ East

Question Number : 55 Question Id : 6789131655 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

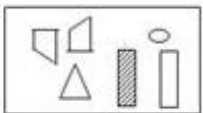Find the mirror image of the given figure:
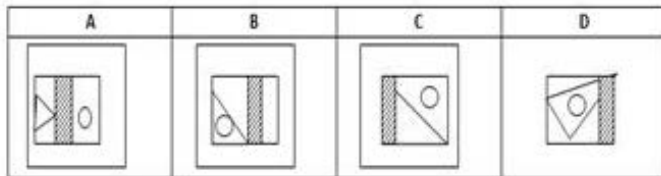

Options :

1. ✔ A

2. ✖ B

3. ✖ C

4. ✖ D

Question Number : 56 Question Id : 6789131656 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Pressure = _____.

Options :

1. ✖ Area / Thrust

2. ✖ Area + Thrust

3. ✔ Thrust / Area

4. ✘ Thrust × Area

Question Number : 57 Question Id : 6789131657 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

When an object is moving with a uniform velocity, what is its acceleration?
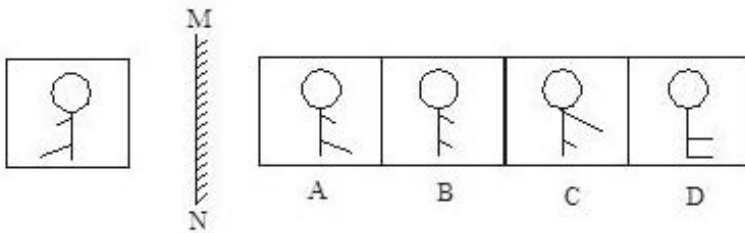
Options :

1. ✘ Negative

2. ✘ Positive

3. ✔ Zero

4. ✘ Non-uniform

Question Number : 58 Question Id : 6789131658 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

An object of mass 100 kg is accelerated uniformly from a velocity of 5 ms^{-1} to 15 ms^{-1} in 5 s. Find the magnitude of force exerted on the object.

Options :

1. ✘ 200 Pa

2. ✔ 200 N

3. ✘ 200 J

4. ✘ 200 Kg

Question Number : 59 Question Id : 6789131659 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

On which of the following principles does a rocket in space work?

Options :

1. ✘ Principle of Conservation of Mass

2. ✘ Principle of Conservation of Energy

3. ✔ Principle of Conservation of Momentum

4. ✘ Principle of Conservation of Speed

Question Number : 60 Question Id : 6789131660 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If an agent does a work W in time t, then power is given by:

Options :

1. ✖ Time /work

2. ✖ Time -work

3. ✖ Time × work

4. ✔ Work / time

Question Number : 61 Question Id : 6789131661 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

An object is thrown vertically upward and it reaches a maximum height 'h' from the ground. During its flight, on reaching $\frac{3}{4}$ of height 'h', the object will acquire:

Options :

1. ✖ less P.E and more K.E

2. ✔ more P.E and less K.E

3. ✖ same P.E and K.E

4. ✖ only K.E

Question Number : 62 Question Id : 6789131662 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The kinetic energy of an object of mass m, which moving with a velocity of 5 ms^{-1}, is 25 J. What will be its kinetic energy when its velocity is doubled?

Options :

1. ✖ 50 N

2. ✖ 100 N

3. ✔ 100 J

4. ✖ 50 J

Question Number : 63 Question Id : 6789131663 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 oxygen gas, speed of sound is 316 m/min.

    B. In water (distilled), the speed of sound is 1498 m/min

Options :

1. ✖ Only A is true

2. ✖ Only B is true

3. ✖ Both A and B are true

4. ✔ Neither A nor B are true

Question Number : 64 Question Id : 6789131664 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The angle between the incident ray and the reflected ray is 80°. Then the angle of incidence is:

Options :

1. ✖ 80°

2. ✔ 40°

3. ✖ 90°

4. ✖ 60°

Question Number : 65 Question Id : 6789131665 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following metals is used in a solar panel?

Options :

1. ✖ Silver

2. ✖ Copper

3. ✖ Gold

4. ✔ Silicon

Question Number : 66 Question Id : 6789131666 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The potential difference between the terminals of an electric heater is 60 V when it draws a current of 4 A from the source. What current will the heater draw if the potential difference is increased to 165 V?

Options :

1. ✖ 24 A

2. ✖ 12 A

3. ✔ 11 A

4. ✖ 10 A

Question Number : 67 Question Id : 6789131667 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Presently, scientists are talking of _____ states of matter.

Options :

1. ✖ 2

2. ✖ 3

3. ✖ 4

4. ✔ 5

Question Number : 68 Question Id : 6789131668 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Mass / Volume = ?

Options :

1. ✖ Momentum

2. ✖ Force

3. ✔ Density

4. ✖ Inertia

Question Number : 69 Question Id : 6789131669 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A solution contains 31 g of common salt in 320 g of water. Calculate the concentration in terms of mass by mass percentage of the solution.

Options :

1. ✔ 8.83%

2. ✖ 8.84%

3. ✖ 12.57%

4. ✖ 13.05%

Question Number : 70 Question Id : 6789131670 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following is NOT an example of chemical change?

Options :

1. ✖ Milk changing to curd

2. ✖ Rusting of iron

3. ✖ Digestion of food in our body

4. ✔ Changing of water to water vapour

Question Number : 71 Question Id : 6789131671 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Choose which one is NOT true of base?

Options :

1. ✖ Furnishes OH^- in aqueous medium/molten state

2. ✖ Bitter in taste

3. ✖ Turns red litmus blue

4. ✔ Turns blue litmus red

Question Number : 72 Question Id : 6789131672 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which is the most malleable metal?

Options :

1. ✖ Copper

2. ✖ Silver

3. ✔ Gold

4. ✖ Aluminium

Question Number : 73 Question Id : 6789131673 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Element X forms an oxide with the formula X_2O_3. The element X would most likely be in the same group of the periodic table as ___.

Options :

1. ✖ sodium

2. ✖ magnesium

3. ✔ aluminium

4. ✖ silicon

Question Number : 74 Question Id : 6789131674 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Electronic configuration of hydrogen resembles that of:

Options :

1. ✖ Alkaline earth metals

2. ✔ Alkali metals

3. ✖ Inert gases

4. ✖ Halogens

Question Number : 75 Question Id : 6789131675 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The classification of elements by which of the following gave the motivation for the discovery of some new elements?

Options :

1. ✖ Dobereiner's

2. ✖ Newlands'

3. ✔ Mendeleev's

4. ✖ Moseley's

Question Number : 76 Question Id : 6789131676 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

_____ is the common name for Ascaris.

Options :

1. ✔ Round worm

2. ✘ Tape worm

3. ✘ Pinworms

4. ✘ Earthworm

Question Number : 77 Question Id : 6789131677 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Intercalary meristems are found:

Options :

1. ✔ At the base of the leaves

2. ✘ At the growing tips of roots

3. ✘ At the tips of the leaves

4. ✘ At the growing tips of stems

Question Number : 78 Question Id : 6789131678 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What is red vascular connective tissue?

Options :

1. ✔ Blood

2. ✘ RBCs

3. ✘ WBCs

4. ✘ Plasma

Question Number : 79 Question Id : 6789131679 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In which of the following types of reproduction, only one parent is involved?

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

Options :

1. Asexual reproduction

2. Sexual reproduction

3. Multiple fission

4. Binary fission

Question Number : 80 Question Id : 6789131680 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

An unfertilised human egg contains:

Options :

1. ✖ XX chromosome

2. ✖ XY chromosome

3. ✖ One Y chromosome

4. ✔ One X chromosome

Question Number : 81 Question Id : 6789131681 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Name the cricketer who holds the record for scoring the quickest 8,000 runs in one-day international cricket as of 15-Jun-2017.

Options :

1. ✖ MS Dhoni

2. ✔ Virat Kohli

3. ✖ Shikhar Dhavan

4. ✖ R Ashwin

Question Number : 82 Question Id : 6789131682 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who among the following won the 2017 Australian Super Series (Badminton)?

Options :

1. ✖ Chen Long

2. ✖ Lin Dan

3. ✖ B Sai Praneeth

4. ✔ Srikanth Kidambi

Question Number : 83 Question Id : 6789131683 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which country has won the 27th Sultan Azlan Shah cup?

Options :

1. ✖ England

2. ✖ Pakistan

3. ✔ Australia

4. ✖ Newzealand

Question Number : 84 Question Id : 6789131684 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who among the following was honoured with a Padma Vibhushan in 2018 for his contribution in the field of Art and Music?

Options :

1. ✖ Shankar Mahadevan

2. ✔ Illayaraja

3. ✖ AR Rahman

4. ✖ SP Balasubrahmanyam

Question Number : 85 Question Id : 6789131685 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The noted wildlife film maker Naresh Bedi was conferred with the 'V Shantaram Award' at the 14th edition of the 2016 Mumbai International Film Festival (MIFF) in which of the following categories?

Options :

1. ✖ Best Film Maker

2. ✖ Best Director

3. ✔ Life Time Achievement

4. ✖ Outstanding Short Film Maker

Question Number : 86 Question Id : 6789131686 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who among the following from Maharashtra was conferred with the Padma Shri Award, 2018, in the field of Literature and Education?

Options :

1. ✖ Shri Baba Yogendra

2. ✔ Shri Panatawane Gangadhar Vithobaji

3. ✖ Shri Vikram Chandra

4. ✖ Shri Manas Bihari Varma

Question Number : 87 Question Id : 6789131687 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

PM Narendra Modi launched the UDAN scheme on 25th April 2017 with a flight between _____ and New Delhi at subsidised rates.

Options :

1. ✖ Kashmir

2. ✖ Srinagar

3. ✖ Mumbai

4. ✔ Shimla

Question Number : 88 Question Id : 6789131688 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The LPG Panchayat, organized by the Ministry of Petroleum and Natural Gas under the Pradhan Mantri Ujjawala Yojana was hosted by _____.

Options :

1. ✖ Narendra Modi

2. ✖ Manmohan Singh

3. ✔ Ram Nath Kovind

4. ✖ Manohar Parikar

Question Number : 89 Question Id : 6789131689 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who was conferred with the 2017 Hridaynath Mangeshkar Award?

Options :

1. ✖ Meena Khadikar

2. ✖ Asha Bhosle

3. ✔ Javed Akhtar

4. ✖ Lata Mangeshkar

Question Number : 90 Question Id : 6789131690 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which city is the second capital of Himachal Pradesh?

Options :

1. ✖ Mandi

2. ✔ Dharamshala

3. ✖ Manali

4. ✖ Kullu

Question Number : 91 Question Id : 6789131691 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which among the following ranked 5th on the list of 'Top 10 Landmarks' in the world by TripAdvisor Travellers' Choice Awards?

Options :

1. ✔ Taj Mahal

2. ✖ Red Fort

3. ✖ Qutub Minar

4. ✖ Gol Gumbaz

Question Number : 92 Question Id : 6789131692 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

_____ was NOT a part of the proposed draft of the 'National Water Framework Bill of 2016'?

Options :

1. ✔ Aachman Yukt Dhara

2. �֍ Nirmal Dhara

3. ✖ Swachh Kinara

4. ✖ Aviral Dhara

Question Number : 93 Question Id : 6789131693 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The Constitution of India was framed by a Constituent Assembly set up under the _____ of 1946.

Options :

1. ✖ Cabinet Missionary Plan

2. ✖ Cabinet Ministry Plan

3. ✔ Cabinet Mission Plan

4. ✖ Cabinet Ministers Plan

Question Number : 94 Question Id : 6789131694 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following institutions was founded by Rabindranath Tagore?

Options :

1. ✖ Gyandham Vidyalaya

2. ✖ Rabindra Vidyalaya

3. ✔ Visva-Bharati

4. ✖ Sevagram Pathshala

Question Number : 95 Question Id : 6789131695 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

_____ was the capital of the Pandya Kingdom.

Options :

1. ✖ Gaya

2. ✖ Kanchipuram

3. ✔ Madurai

4. ✖ Dvarasamudra

Question Number : 96 Question Id : 6789131696 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The first Uranium mine of India, the Jaduguda mines, is located in _____.

Options :

1. ✖ Rajasthan

2. ✖ Assam

3. ✔ Jharkhand

4. ✖ Bihar

Question Number : 97 Question Id : 6789131697 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Nainital lake is situated in the state of _____.

Options :

1. ✔ Uttarakhand

2. ✖ Uttar Pradesh

3. ✖ Himachal Pradesh

4. ✖ Assam

Question Number : 98 Question Id : 6789131698 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The maximum age for joining National Pension Scheme is _____ years.

Options :

1. ✖ 58

2. ✖ 70

3. ✖ 62

4. ✔ 65

Question Number : 99 Question Id : 6789131699 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If you fill a glass to the brim with ice and water and the ice melts, what will happen?

Options :

1. ✖ The water level will drop slightly as the ice melts.

2. ✖ The water will over-flow .

3. ✔ The level of water will remain the same .

4. ✖ All the ice will settle at the bottom

Question Number : 100 Question Id : 6789131700 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

According to the 2017 Global Hunger Index (GHI) Report, India's rank is _____ out of 119 countries.

Options :

1. ✖ 80

2. ✔ 100

3. ✖ 120

4. ✖ 30