

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 5th Oct 2018 Shift1
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 : 6789132001 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The HCF of 30, 42 and 96 is:

Options :

1. **✗** 8

2. **✓** 6

3. **✗** 4

4. **✗** 2

Question Number : 2 Question Id : 6789132002 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

The HCF of 44, 88 and 154 is:

Options :

1. 22
2. 44
3. 11
4. 8

Question Number : 3 Question Id : 6789132003 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

If traffic lights at a cross-section change after every 48 sec, 72 sec and 108 sec, respectively and they all changed together at 9:15:00 a.m., when will they change again simultaneously.

Options :

1. 9:21:07 a.m.
2. 9:22:12 a.m.
3. 9:23:17 a.m.
4. 9:24:27 a.m.

Question Number : 4 Question Id : 6789132004 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

What is the greatest number which on dividing 1657 and 2037 leaves the remainder 6 and 5 respectively?

Options :

1. 127
2. 125
3. 150
4. 130

Question Number : 5 Question Id : 6789132005 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

The square root of 10816 is _____.

Options :

1. 114

2. ✗ 106

3. ✓ 104

4. ✗ 96

Question Number : 6 Question Id : 6789132006 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

Value of $\sqrt{0.6}$:

Options :

1. ✗ 0.944

2. ✓ 0.774

3. ✗ 0.894

4. ✗ 0.874

Question Number : 7 Question Id : 6789132007 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

$$216 \div [55 - \{45 - (32 - 27 \div 9 \times 2)\}] = ?$$

Options :

1. ✗ 8

2. ✓ 6

3. ✗ 4

4. ✗ 3

Question Number : 8 Question Id : 6789132008 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

$\frac{5}{8}$ of the residents of a housing society own cars and $\frac{3}{4}$ of the car owners have purchased covered parking space. If 150 people have purchased covered parking space, how many residents were there in the society?

Options :

1. ✓ 320

2. ✗ 360

3. ✗ 336

4. ✘ 352

Question Number : 9 Question Id : 6789132009 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

Two numbers are such that the ratio between them is 2 : 7. If 4 is added to each of them, the ratio between them becomes 4 : 9. The original numbers are:

Options :

1. ✘ 8, 18

2. ✓ 4, 14

3. ✘ 6, 21

4. ✘ 2, 7

Question Number : 10 Question Id : 6789132010 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

Find the simple interest on ₹ 2500 for 2 years and 3 months @ 6% p.a.

Options :

1. ✓ ₹ 337.50

2. ✘ ₹ 375

3. ✘ ₹ 423.50

4. ✘ ₹ 445

Question Number : 11 Question Id : 6789132011 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

By selling a used phone for ₹ 6360 Ranjita got 47% less than what it cost her to buy it a few years ago. At what price should Ranjita have been able to sell it to make a profit of 13%?

Options :

1. ✘ ₹ 10,550

2. ✘ ₹ 12,550

3. ✓ ₹ 13,560

4. ✘ ₹ 11,550

Question Number : 12 Question Id : 6789132012 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

Hiru buys an old car for ₹ 47,000 and spends ₹ 3000 on its repairs. If he sells the car for ₹ 58,000, his gain percent is:

Options :

1. ✗ 15%

2. ✓ 16%

3. ✗ 17%

4. ✗ 18%

Question Number : 13 Question Id : 6789132013 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

A car can finish its journey in 7 hours at the speed of 105 km/hr. If the same distance must be covered in 10 hours, what should be the speed of the car?

Options :

1. ✗ 75.5 km/hr

2. ✓ 73.5 km/hr

3. ✗ 83.5 km/hr

4. ✗ 72.5 km/hr

Question Number : 14 Question Id : 6789132014 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

A 48-m-tall building casts a shadow of 32 m. What would be the length of the shadow of a tower if the height of the tower is 144 m under similar conditions?

Options :

1. ✗ 128 m

2. ✗ 112 m

3. ✓ 96 m

4. ✗ 84 m

Question Number : 15 Question Id : 6789132015 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

69 men can complete a piece of work in 6 days. In how many days will 23 men be able to complete the same work?

Options :

1. ✓ 18

2. ✗ 15

3. ✗ 10

4. ✗ 16

Question Number : 16 Question Id : 6789132016 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

If the salary of a person is increased by 11% in the first year and decreased by 11% in the second year. What is the percentage change of the salary in the beginning of the third year with respect to his initial salary?

Options :

1. ✗ +1.21

2. ✗ -1.23

3. ✗ +1.22

4. ✓ -1.21

Question Number : 17 Question Id : 6789132017 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

What day would it be on 1 November 2020?

Options :

1. ✓ Sunday

2. ✗ Saturday

3. ✗ Friday

4. ✗ Thursday

Question Number : 18 Question Id : 6789132018 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

The ratio of the ages of Deepika and her mother is 3 : 11. After 3 years the ratio becomes 1 : 3. What is Deepika's age?

Options :

1. ✓ 9 years

2. ✗ 11 years

3. ✗ 13 years

4. ✘ 15 years

Question Number : 19 Question Id : 6789132019 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

What would be the smaller of the two angles formed by the hour hand and the minute hand at 12:23 p.m.?

Options :

1. ✘ 126^0 2. ✓ 126.5^0 3. ✘ 138^0 4. ✘ 127.5^0

Question Number : 20 Question Id : 6789132020 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

Two crossroads Nehru road and Zoo park road, each 2 m wide run at right angles through the centre of a rectangular park 72 m by 48 m, such that each is parallel to one of the sides of the rectangle. What is the cost of constructing the roads at ₹ 150 per square meter?

Options :

1. ✓ ₹ 35,400

2. ✘ ₹ 35,350

3. ✘ ₹ 35,395

4. ✘ ₹ 35,300

Question Number : 21 Question Id : 6789132021 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

If $\tan A = 3/4$, what is the value of $((1 - \sin A)(1 + \sin A))/(1 - \cos A)(1 + \cos A)$?

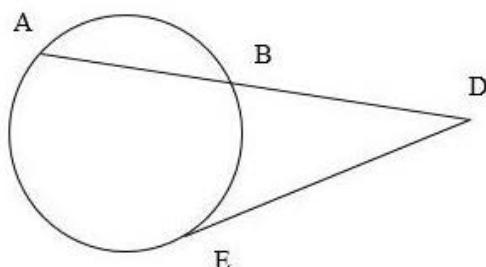
Options :

1. ✘ $\frac{16}{25}$ 2. ✘ $\frac{9}{25}$ 3. ✓ $\frac{16}{9}$

4. $\frac{9}{19}$

Question Number : 22 Question Id : 6789132022 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

In the circle below, chord \overline{AB} is extended to meet the tangent \overline{DE} at D. If $\overline{AB} = 6$ cm and $\overline{BD} = 2$ cm, find the length of \overline{DE} .



Options :

1. $\sqrt{12}$ cm
2. 4 cm
3. 5 cm
4. 4.5 cm

Question Number : 23 Question Id : 6789132023 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Calculate the value of x in the following equation: $12(5x - 4) = 16(5x + 1)$.

Options :

1. 1.4
2. - 2.8
3. - 3.2
4. 2.8

Question Number : 24 Question Id : 6789132024 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

The ratio of the angles of a quadrilateral is 3 : 4 : 5 : 6. What is the value of the smallest angle?

Options :

1. 49°

2. ✗ 45° 3. ✗ 36° 4. ✓ 60°

Question Number : 25 Question Id : 6789132025 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

Each interior angle of a regular heptagon (seven-sided polygon) measures:

Options :

1. ✗ 137.56° 2. ✗ 126.37° 3. ✓ 128.57° 4. ✗ 148.24°

Question Number : 26 Question Id : 6789132026 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

Select the term that is related to the third term in the same way that the second term relates to the first term.

Meghalaya : Shillong :: Bihar : ?

Options :

1. ✗ Dispur

2. ✗ Lucknow

3. ✗ Hyderabad

4. ✓ Patna

Question Number : 27 Question Id : 6789132027 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

Madhuri's only brother's sister's son is Rajesh. How is Rajesh related to Madhuri's father?

Options :

1. ✓ Grandson

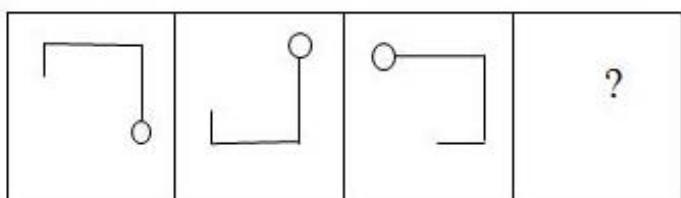
2. ✗ Son

3. ✗ Uncle

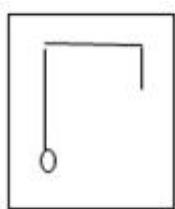
4. ✘ Cousin

Question Number : 28 Question Id : 6789132028 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

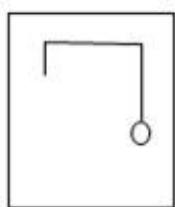
Choose the correct alternative to complete the series.



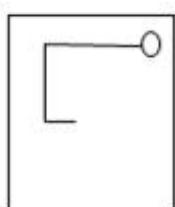
Options :



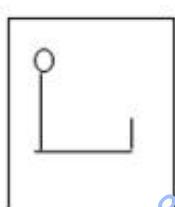
1. ✘



2. ✘



3. ✓



4. ✘

Question Number : 29 Question Id : 6789132029 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Read the given statement(s) and conclusions carefully and select which of the conclusions logically follow(s) from the statement(s).

Statements:

- I. All bats are black.
- II. Some black are wings.

Conclusions:

1. All bats are wings.
2. Some wings are black.

Options :

1. ✗ Conclusion 1 alone follows.
2. ✗ Both 1 and 2 follows.
3. ✓ Conclusion 2 alone follows.
4. ✗ Neither 1 nor 2 follows.

Question Number : 30 Question Id : 6789132030 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.

Talk : Chat :: Pour :

Options :

1. ✓ Dispense
2. ✗ Drown
3. ✗ Drop
4. ✗ Fall

Question Number : 31 Question Id : 6789132031 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Consider the given statements to be true even if they seem to be at variance with the commonly known facts and decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some Rabbits are cats.

All Cats are Papayas.

Conclusions:

1. All the Papayas are Cats.
2. Some Rabbits are Papayas.

Options :

1. ✗ Only 1 follows.
2. ✓ Only 2 follows.
3. ✗ Either 1 or 2 follows.
4. ✗ Both 1 and 2 follow.

Question Number : 32 Question Id : 6789132032 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Read the given statement(s) and conclusions carefully and select which of the following conclusions logically follow(s) from the statement(s):

Statement: This restaurant serves the best hot and sour soup.

Conclusions:

- I. There are other restaurants which serve the soup.
- II. The soup served by this restaurant is the best in the world.

Options :

1. ✓ Only conclusion I follows
2. ✗ Only conclusion II follows
3. ✗ Neither I nor II follows
4. ✗ Both I and II follow

Question Number : 33 Question Id : 6789132033 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Consider the given statement(s) and decide which of the given assumptions is/are implicit in the statement.

Statement: "We are all victims of our thoughts," says a title in a newspaper column.

Assumptions:

- I. Our actions are based on our thoughts.
- II. Newspapers are the best source of information.

Options :

1. Only assumption I is implicit
2. Only assumption II is implicit
3. Neither I nor II is implicit
4. Both I and II are implicit

Question Number : 34 Question Id : 6789132034 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Consider the given statement and decide which of the given assumptions is/are implicit in the statement.

Statement: Never before heard such divine rendition of this song.

Assumptions:

- I. Some other songs were sung.
- II. Singing with divine rendition is next to impossible.

Options :

1. Only assumption I is implicit
2. Only assumption II is implicit
3. Neither I nor II is implicit
4. Both I and II are implicit.

Question Number : 35 Question Id : 6789132035 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 government offer subsidy to buy electric vehicles to increase its popularity?

Arguments:

- I. Yes, it will give a boost to the sales of electric vehicles.
- II. No, people should not wait for such subsidy they should come forward to save the environment.

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 : 6789132036 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?

4R, 7P, 10N, 13L, ?

Options :

1. ✓ 16J
2. ✗ 16X
3. ✗ 15V
4. ✗ 12K

Question Number : 37 Question Id : 6789132037 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Which number follows in the given series?

2, 7, 17, 32, 52, ?

Options :

1. ✗ 76
2. ✓ 77

3. ✘ 79

4. ✘ 80

Question Number : 38 Question Id : 6789132038 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

If \$ means +, # means -, @ means \times and * means \div , then what is the value of $19 \$ 8 @ 3 \# 81 * 9$?

Options :

1. ✘ 38

2. ✘ 36

3. ✘ 35

4. ✓ 34

Question Number : 39 Question Id : 6789132039 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

Multiply 8795 by 125:

Options :

1. ✘ 1098375

2. ✓ 1099375

3. ✘ 1099345

4. ✘ 1099305

Question Number : 40 Question Id : 6789132040 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

Select the most appropriate option for the following situation.

Your friend accidentally spills coffee on you in a party. You will _____.

Options :

1. ✘ snub him

2. ✘ laugh it off

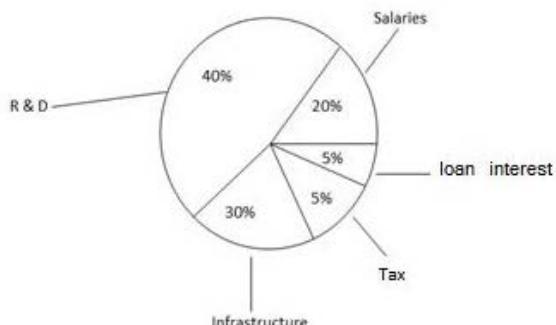
3. ✘ spoil his dress too

4. say it's ok but sulk nevertheless

Question Number : 41 Question Id : 6789132041 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Study the following pie chart and answer the question that follows.

The pie chart shows company XYZ's expenditure on various heads for Q3 2015.



If company XYZ has spent a total of ₹ 120 lakh crores, then how much did it spend on infrastructure (in lakh crores)?

Options :

1. ₹ 12
2. ₹ 24
3. ₹ 36
4. ₹ 48

Question Number : 42 Question Id : 6789132042 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:

What is Mr. X position in a Queue of 40 people?

Statements:

1. 16 people in front of Mr. X
2. 23 People towards back of Mr. X

Options :

1. 1 alone is sufficient while 2 alone is not sufficient
2. 2 alone is sufficient while 1 alone is not sufficient
3. Either 1 or 2 alone is sufficient

4. ✘ Both 1 and 2 together are sufficient

Question Number : 43 Question Id : 6789132043 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Question: What is the thirteenth of a given month?

Statement:

I. The last day of the month is a Tuesday.
II. The third Friday of the month was sixteenth.

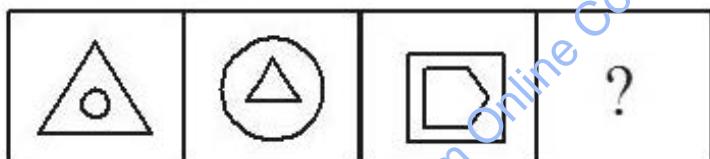
Options :

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. ✘ Both I and II together are not sufficient

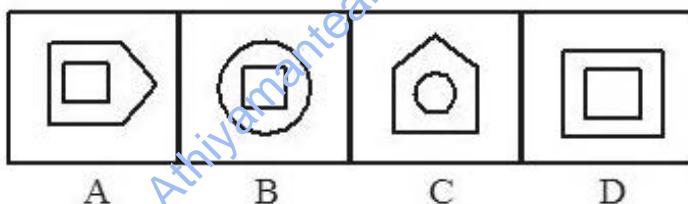
Question Number : 44 Question Id : 6789132044 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Pick the figure that will complete the given series.

Problem figures:



Answer figures:

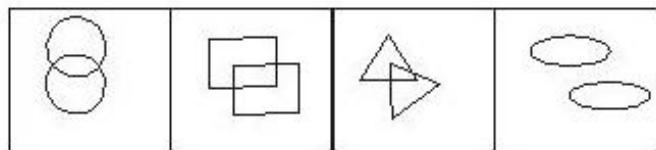


Options :

1. ✓ A
2. ✘ B
3. ✘ C
4. ✘ D

Question Number : 45 Question Id : 6789132045 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Find the Odd one out:



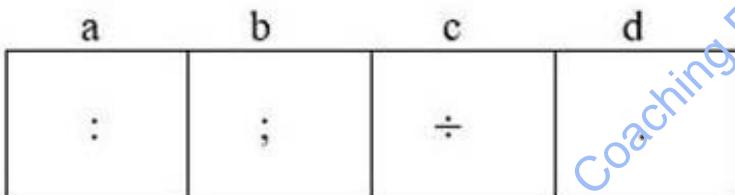
A B C D

Options :

1. A
2. B
3. C
4. D

Question Number : 46 Question Id : 6789132046 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Find the odd one:



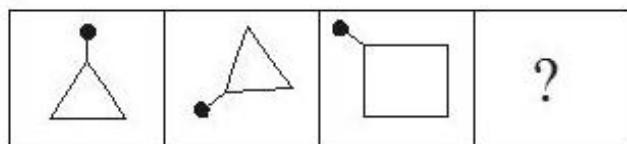
Options :

1. a
2. b
3. c
4. d

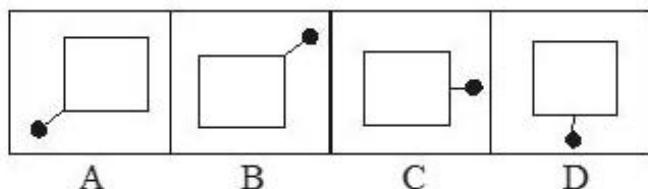
Question Number : 47 Question Id : 6789132047 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Pick the figure that will complete the given series.

Problem figures



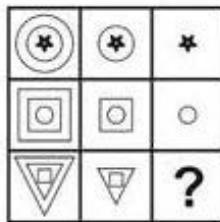
Answer figures



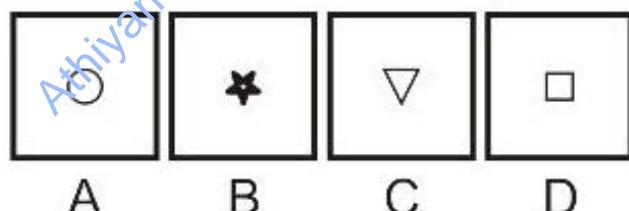
Options :

1. A
2. B
3. C
4. D

Question Number : 48 Question Id : 6789132048 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical



From the below options, choose the correct picture that fits the blank space in the above figure.



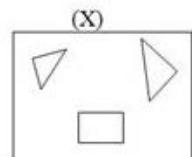
Options :

1. A
2. B
3. C

4. ✓ D

Question Number : 49 Question Id : 6789132049 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

From the following figure (X), find out which of the figures a, b, c and d can be formed from the pieces given in the figure (X):

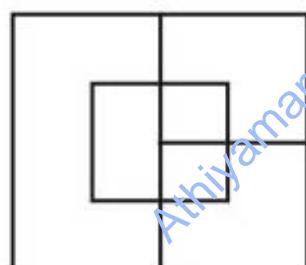


Options :



Question Number : 50 Question Id : 6789132050 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

Find the number of squares in the following figure.



Options :

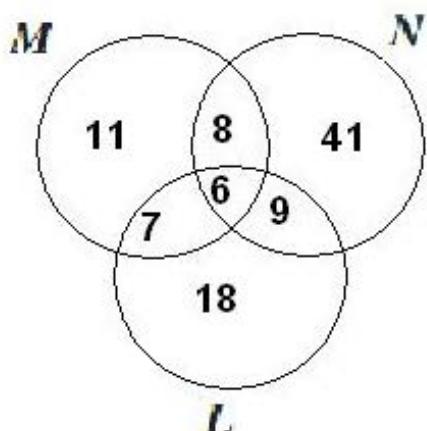
1. ✗ 4

2. ✓ 6

3. ✗ 8

4. ✗ 10

Question Number : 51 Question Id : 6789132051 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical



The above Venn diagram represent the students who play 3 sports M, N and L in a class.

Total number of students who play game L is:

Options :

1. ✗ 18

2. ✗ 41

3. ✓ 40

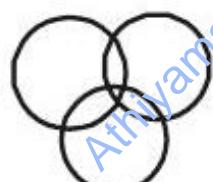
4. ✗ 23

Question Number : 52 Question Id : 6789132052 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

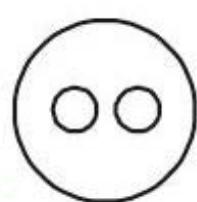
Choose the best suitable Venn diagram for the following words:

Vegetables, Capsicum, Beans

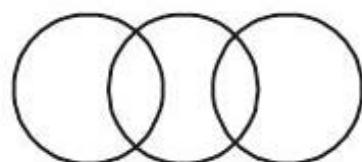
Options :



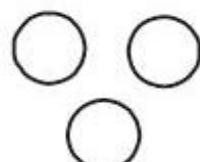
1. ✗



2. ✓



3. ✘



4. ✘

Question Number : 53 Question Id : 6789132053 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

I and J are standing facing each other. I is facing South-West. Which direction is J facing with respect to I?

Options :

1. North-East

2. ✘ North-West

3. ✘ South-East

4. ✘ South-West

Question Number : 54 Question Id : 6789132054 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

If West becomes South, then what will North become?

Options :

1. West

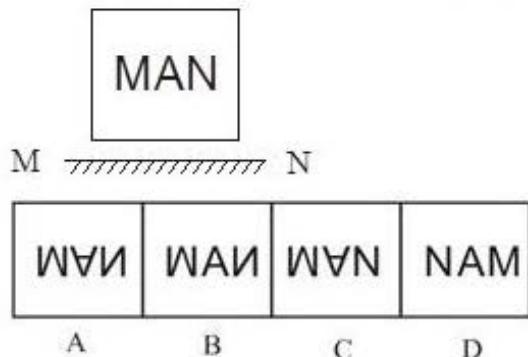
2. ✘ East

3. ✘ North

4. ✘ South

Question Number : 55 Question Id : 6789132055 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

Choose the mirror image for the following figure.



Options :

1. A
2. B
3. C
4. D

Question Number : 56 Question Id : 6789132056 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A bullet, of mass 20 g is horizontally fired with a velocity 150 ms^{-1} from a pistol of mass 3 kg. What is the recoil velocity of the pistol?

Options :

1. -1.5 ms^{-1}
2. -1.0 ms^{-1}
3. -2.0 ms^{-1}
4. -1.25 ms^{-1}

Question Number : 57 Question Id : 6789132057 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The weight of an object on the earth is 200 N and mass is 20 kg. What is the value of acceleration due to gravity given.

Options :

1. 9.8 m/s^2
2. 9.8 m/s^{-2}
3. 10 m/s^{-2}

4. ✓ 10 m/s^2

Question Number : 58 Question Id : 6789132058 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

Every object in the universe attracts every other object with a force that is:

Options :

1. ✗

Proportional to the sum of their masses and inversely proportional to the square of the distance between them

2. ✓

Proportional to the product of their masses and inversely proportional to the square of the distance between them

3. ✗

Inversely proportional to the product of their masses and proportional to the square of the distance between them

4. ✗

Proportional to the product of their masses and inversely proportional to the sum of the distance between them

Question Number : 59 Question Id : 6789132059 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

When an object floats, the up thrust of the liquid on the object is _____.

Options :

1. ✗ less than the weight of the object

2. ✓ same as the weight of the object

3. ✗ greater than the weight of the object

4. ✗ zero

Question Number : 60 Question Id : 6789132060 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

Calculate the potential energy acquired by a 15 kg hammer when it is raised to a height of 10 m (given $g=10 \text{ ms}^{-2}$).

Options :

1. ✗ 150 J

2. ✓ 1500 J

3. ✗ -150 J

4. ✗ -1500 J

Question Number : 61 Question Id : 6789132061 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

A porter lifts a luggage of 13 kg from the ground and puts it on his head 1.5 m above the ground. Calculate the work done by him on the luggage. ($g = 10\text{ms}^{-2}$)

Options :

1. 195 J

2. 150 J

3. 140 J

4. 100 N

Question Number : 62 Question Id : 6789132062 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

_____ measures the speed of work done.

Options :

1. Force

2. Energy

3. Power

4. Pressure

Question Number : 63 Question Id : 6789132063 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

_____ mirror produces an image that is always virtual, erect and same size as that of the object.

Options :

1. Concave

2. Plane

3. Convex

4. Plano-convex

Question Number : 64 Question Id : 6789132064 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

_____ waves helps the bats to detect the obstacles in their path.

Options :

1. Infrasonic

2. ✗ Hypersonic

3. ✓ Ultrasonic

4. ✗ Supersonic

Question Number : 65 Question Id : 6789132065 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

Volt is the SI unit of _____.

Options :

1. ✗ resistance

2. ✗ electric charge

3. ✗ electric current

4. ✓ potential difference

Question Number : 66 Question Id : 6789132066 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

How much work is done in moving a charge of 2 C across two points having a potential difference of 10 V?

Options :

1. ✓ 20 J

2. ✗ 20 N

3. ✗ 20 C

4. ✗ 20 Pa

Question Number : 67 Question Id : 6789132067 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

What is the mass per unit volume of a substance called?

Options :

1. ✓ Density

2. ✗ Energy

3. ✗ Matter

4. ✘ Mass

Question Number : 68 Question Id : 6789132068 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

Atomic mass of carbon is 12. The number of moles in 24 g of carbon is:

Options :

1. ✘ 1

2. ✓ 2

3. ✘ 3

4. ✘ 4

Question Number : 69 Question Id : 6789132069 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

It is the property of matter to maintain its shape even if _____ work and the solids show this property is called _____.

Options :

1. ✘ external forces; shape

2. ✘ external area; rigidity

3. ✘ external volume; rigidity

4. ✓ external forces; rigidity

Question Number : 70 Question Id : 6789132070 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

_____ is the chemical name of slaked lime.

Options :

1. ✘ Calcium carbonate

2. ✓ Calcium hydroxide

3. ✘ Calcium oxide

4. ✘ Calcium chloride

Question Number : 71 Question Id : 6789132071 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

$MnO_2 + 4HCl \rightarrow MnCl_2 + H_2O + Cl_2$. The given reaction is an example of a _____ reaction.

Options :

1. ✘ combination
2. ✘ displacement
3. ✘ double displacement
4. ✓ redox

Question Number : 72 Question Id : 6789132072 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

In which of the following functional groups is COOH present?

Options :

1. ✘ ketones
2. ✘ aldehydes
3. ✓ carboxylic acid
4. ✘ alcohols

Question Number : 73 Question Id : 6789132073 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Which of the following represents the correct decreasing order of hydrogen atoms?

Options :

1. ✘ alkanes, alkynes, alkenes
2. ✓ alkanes, alkenes, alkynes
3. ✘ alkynes ,alkenes, alkanes
4. ✘ alkenes, alkynes, alkanes

Question Number : 74 Question Id : 6789132074 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

_____ was discovered later and replaced eka-silicon.

Options :

1. ✘ Scandium
2. ✘ Gallium

3. Germanium4. Rubidium

Question Number : 75 Question Id : 6789132075 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

_____ is the last metalloid in the Modern Periodic Table.

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

Options :

1. Tellurium

2. Polonium

3. Antimony

4. Arsenic

Question Number : 76 Question Id : 6789132076 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

What type of tissue consists of different types of cells carrying out the same function?

Options :

1. Complex tissue2. Meristematic tissue3. Epidermal tissue4. Nervous tissue

Question Number : 77 Question Id : 6789132077 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

Blood is a/an _____ tissue.

Options :

1. nervous2. epithelial3. muscle4. connective

Question Number : 78 Question Id : 6789132078 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 flows at high pressure, with jerk and faster in them.
2. ✗ It forms about 7-8% of the body weight.
3. ✗ Blood is commonly called the river of life.
4. ✓ Life span of human RBCs is 15-20 days.

Question Number : 79 Question Id : 6789132079 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

Spirogyra and planaria show:

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

Options :

1. Regeneration
2. Sporulation
3. Fragmentation
4. Fertilisation

Question Number : 80 Question Id : 6789132080 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

How many chromosomes are present in human sperm?

Options :

1. ✗ 21
2. ✗ 22
3. ✓ 23
4. ✗ 24

Question Number : 81 Question Id : 6789132081 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

Who among the following was awarded Rajiv Gandhi Khel Ratna Award for Para Athletics, in 2017?

Options :

1. P Mariyappan
2. Deepa Malik
3. Devendra Jhajharia
4. Varun Bhati

Question Number : 82 Question Id : 6789132082 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Total number of medals India won in the 22nd Asia Athletic Championship held in Bhubaneshwar from 6th to 9th July 2017, was _____.

Options :

1. 29
2. 28
3. 27
4. 26

Question Number : 83 Question Id : 6789132083 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

With which of the following sports is Prashanti Singh associated?

Options :

1. Cricket
2. Basketball
3. Badminton
4. Table Tennis

Question Number : 84 Question Id : 6789132084 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Who among the following was conferred with Bhupen Hazarika National Award 2017?

Options :

1. Yeshe Dorjee Thongchi
2. Lou Majaw

3. ✘ GopalaKrishnan

4. ✘ Jahnu Barua

Question Number : 85 Question Id : 6789132085 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

Which film won the Best Children's Film award at the 64th National Film Awards held in 2017?

Options :

1. ✓ Dhanak

2. ✘ Jungle Book

3. ✘ Kochhadian

4. ✘ Chillar Gang

Question Number : 86 Question Id : 6789132086 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

In which of the following field the Government of India presents the 'Sahitya Akademi Award' for excellence?

Options :

1. ✘ Sports

2. ✘ Innovation

3. ✘ Music

4. ✓ Literature

Question Number : 87 Question Id : 6789132087 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

Who was honoured with the Global Diversity Award 2017 in the British Parliament House?

Options :

1. ✘ Shahrukh Khan

2. ✘ Amitabh Bachchan

3. ✓ Salman Khan

4. ✘ Sanjay Dutt

Question Number : 88 Question Id : 6789132088 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Who unified electricity, magnetism and optics, and showed that light is an electromagnetic wave?

Options :

1. Isaac Newton
2. James Maxwell
3. Sheldon Glashow
4. Carlo Rubia

Question Number : 89 Question Id : 6789132089 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Identify who was bestowed with the prestigious Saraswati Samman 2016?

Options :

1. Sunita Jain
2. Sugathakumari
3. Mahabaleshwar Sail
4. Faruqi

Question Number : 90 Question Id : 6789132090 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Who is the current governor of the Reserve Bank of India (RBI)?

Options :

1. Raghuram Rajan
2. Urjit Patel
3. D Subbarao
4. YV Reddy

Question Number : 91 Question Id : 6789132091 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

From which post did Ram Nath Kovind resign following his nomination as the National Democratic Alliance's presidential candidate?

Options :

1. ✗ West Bengal Governor

2. ✗ Tamil Nadu Governor

3. ✗ Andhra Pradesh Governor

4. ✓ Bihar Governor

Question Number : 92 Question Id : 6789132092 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

Who is the Chief Election Commissioner of India as of July 2018?

Options :

1. ✗ Om Pratap Rawat

2. ✓ Om Prakash Rawat

3. ✗ Omkar Prakash Rawat

4. ✗ Ojesh Prakash Rawat

Question Number : 93 Question Id : 6789132093 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

_____ is the largest milk producing state, accounting for nearly 17.22% of the total milk produced in the country.

Options :

1. ✗ Gujarat

2. ✗ Rajasthan

3. ✓ Uttar Pradesh

4. ✗ Andhra Pradesh

Question Number : 94 Question Id : 6789132094 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

What was the name of Gautama Buddha's mother?

Options :

1. ✗ Trishla

2. ✓ Maya

3. ✘ Kanika

4. ✘ Kaushalya

Question Number : 95 Question Id : 6789132095 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

Setting out in November 1525, Babur met Ibrahim at Panipat, 80 km north of Delhi, on April 21, _____.

Options :

1. ✘ 1519

2. ✓ 1526

3. ✘ 1521

4. ✘ 1527

Question Number : 96 Question Id : 6789132096 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

Where is the Black Rock Desert located?

Options :

1. ✘ South Africa

2. ✓ United States

3. ✘ Egypt

4. ✘ China

Question Number : 97 Question Id : 6789132097 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

Which is the largest city in Brazil?

Options :

1. ✓ Sao Paulo

2. ✘ Rio de Janeiro

3. ✘ Salvador

4. ✘ Fortaleza

Question Number : 98 Question Id : 6789132098 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

What is the name of the fund for which the Ministry of Water Resources, River Development and Ganga Rejuvenation has collected funds from PSUs to clean the river Ganga?

Options :

1. ✘ PSU Fund
2. ✘ Jal Fund
3. ✘ Clean Water Fund
4. ✓ Clean Ganga Fund

Question Number : 99 Question Id : 6789132099 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Plants that grow in saline water are called _____.

Options :

1. ✘ hydrophytes
2. ✘ macrophytes
3. ✓ halophytes
4. ✘ xerophytes

Question Number : 100 Question Id : 6789132100 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

The Special Investigation Team (SIT) on black money which recommended a ban on cash transactions of above ` 3 lakh was headed by:

Options :

1. ✘ Arun Jaitley
2. ✘ Narendra Modi
3. ✓ M.B. Shah
4. ✘ Ahmed Patel