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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 01st Dec 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?:	Yes
Highlighter:	No
Auto Save on Console?:	No

Display Number Panel:	Yes
Group All Questions:	No

Question Number : 1 Question Id : 6789136701 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

1.5 + 1.505 + 1.055 + 1.5505 =?

Options :

1. ✖ 6.1

2. ✔ 5.6105

3. ✖ 6.015

4. ✖ 5.6015

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Question Number : 2 Question Id : 6789136702 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

$\frac{2}{3}$, added to a fraction, gives $\frac{3}{4}$. The fraction is:

Options :

1. ✖ $\frac{1}{24}$

2. ✖ $\frac{1}{6}$

3. ✔ $\frac{1}{12}$

4. ✖ $\frac{1}{18}$

Question Number : 3 Question Id : 6789136703 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The LCM of 38 and 57 is:

Options :

1. ✖ 76

2. ✖ 95

3. ✔ 114

4. ✖ 152

Question Number : 4 Question Id : 6789136704 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The difference between $\frac{3}{7}$ and a number smaller than it is $\frac{1}{6}$. The other number is:

Options :

1. ✖ $\frac{2}{1}$

2. ✔ $\frac{11}{42}$

3. ✖ $\frac{5}{21}$

4. ✖ $\frac{3}{14}$

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Question Number : 5 Question Id : 6789136705 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The HCF of 112 and 84 is:

Options :

1. ✖ 14

2. ✖ 21

3. ✔ 28

4. ✖ 42

Question Number : 6 Question Id : 6789136706 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Solve the following.

$$\sqrt{(9 + 6\sqrt{2})(9 - 6\sqrt{2})} = ?$$

Options :

1. ✖ 1

2. ✖ 2

3. ✔ 3

4. ✖ 4

Question Number : 7 Question Id : 6789136707 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If $\sqrt{0.0361x} = 1.9$, then x = ?

Options :

1. ✖ 1

2. ✖ 10

3. ✔ 100

4. ✖ 1000

Question Number : 8 Question Id : 6789136708 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

How many factors of the number $2^{11} \times 3^5 \times 5^3 \times 7^5$ are multiples of 1440?

Options :

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1. ✔ 504

2. ✖ 560

3. ✖ 180

4. ✖ 336

Question Number : 9 Question Id : 6789136709 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

₹ 1330 was divided between two people in the ratio 12: 23. The one who got the smaller share received ₹_____.

Options :

1. ✖ 468

2. ✔ 456

3. ✖ 444

4. ✖ 494

Question Number : 10 Question Id : 6789136710 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A candidate obtained 82% marks in an exam where the maximum marks was 650. She obtained ____ marks.

Options :

1. ✖ 492

2. ✖ 574

3. ✖ 546

4. ✔ 533

Question Number : 11 Question Id : 6789136711 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Two numbers are in the ratio of 5 : 4. When 3 and 4, respectively, are subtracted from the numbers, their ratio becomes 4 : 3. The sum of the original numbers is:

Options :

1. ✖ 56

2. ✔ 63

3. ✖ 72

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4. ✖ 84

Question Number : 12 Question Id : 6789136712 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A sum of money when invested for a year at a rate of 10% interest per annum, compounded half-yearly, becomes ₹ 11,025 at maturity. The sum invested (in ₹) was:

Options :

1. ✖ 10,250

2. ✖ 10,500

3. ✔ 10,000

4. ✖ 9,600

Question Number : 13 Question Id : 6789136713 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Ram alone takes 24 days to complete a task, while Shyam alone takes 30 days to complete the same task. If they worked together for 4 days, what is the percentage of total work that will be left?

Options :

1. ✖ 30%

2. ✖ 25%

3. ✖ 75%

4. ✔ 70%

Question Number : 14 Question Id : 6789136714 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A train travelling at the speed of 80 km/hr passes a post in 9 seconds and a platform in 27 seconds. What is the length of the platform?

Options :

1. ✖ 500 m

2. ✔ 400 m

3. ✖ 480 m

4. ✖ 540 m

Question Number : 15 Question Id : 6789136715 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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A person driving at a speed of 84 km/h reaches office 1 minute early while she reaches 3 minutes late if driving at 72 km/h. What is the distance (in km) that she is covering?

Options :

1. ✖ 25.8

2. ✔ 33.6

3. ✖ 30.8

4. ✖ 36.4

Question Number : 16 Question Id : 6789136716 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Pipe A is an inlet pipe that can fill an empty cistern in 69 hours. Pipe B can drain the filled cistern in 46 hours. When the cistern was filled, the two pipes are opened one at a time for an hour each, starting with Pipe B. How long will it take for the cistern to be empty?

Options :

1. ✖ 11 days 10 hours

2. ✔ 11 days 7 hours

3. ✖ 11 days 12 hours

4. ✖ 11 days 13 hours

Question Number : 17 Question Id : 6789136717 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The height of a parallelogram is $\frac{1}{3}$rd of its base. If the area of the parallelogram is 243 cm^2, what is the height of the parallelogram (in cm)?

Options :

1. ✖ 6

2. ✖ 7

3. ✖ 8

4. ✔ 9

Question Number : 18 Question Id : 6789136718 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

How many edges does a cuboid have?

Options :

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1. ✖ 4

2. ✖ 6

3. ✖ 8

4. ✔ 12

Question Number : 19 Question Id : 6789136719 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The angle (smaller) formed by the hour hand and the minute hand of a clock at 3:03 am is:

Options :

1. ✔ 73.50°

2. ✖ 73.725°

3. ✖ 86.675°

4. ✖ 86.725°

Question Number : 20 Question Id : 6789136720 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What would be the reflex angle formed between the hour hand and the minute hand of a clock at 06:06:06 hours?

Options :

1. ✔ 213.55⁰

2. ✖ 212.95⁰

3. ✖ 213.65⁰

4. ✖ 213.75⁰

Question Number : 21 Question Id : 6789136721 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Triangle PQR is similar to triangle ABC. Area of triangle PQR is 576 cm^2 and area of triangle ABC is 324 cm^2. If the longest side of triangle PQR is 72 cm, then what is the longest side of triangle ABC?

Options :

1. ✔ 54 cm

2. ✖ 52 cm

3. ✖ 72 cm

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4. ✖ 48 cm

Question Number : 22 Question Id : 6789136722 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If $cos3x = 4\cos^3 x - 3cosx$, then sec $135° =$

Options :

1. ✖ cosec 45^0

2. ✔ $-$ cosec 45^0

3. ✖ sec 45^0

4. ✖ $-$ cos 45^0

Question Number : 23 Question Id : 6789136723 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The ratio of the sides of a triangle is 4:5:6 and the perimeter is 105 m. What is the perpendicular distance (in m) from the opposite vertex of the greatest side to the same side?

Options :

1. ✔ $\frac{35\sqrt{7}}{4}$

2. ✖ $\frac{35\sqrt{7}}{3}$

3. ✖ $\frac{35\sqrt{7}}{6}$

4. ✖ $\frac{35\sqrt{7}}{11}$

Question Number : 24 Question Id : 6789136724 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If α and β are the roots of $2x^2 + 7x - 4 = 0$, then the equation where roots are α^2 and β^2 is:

Options :

1. ✔ $4x^2 - 65x + 16 = 0$

2. ✖ $4x^2 + 65x + 16 = 0$

3. ✖ $4x^2 - 65x - 16 = 0$

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4. ✖ $4x^2 + 65x - 16 = 0$

Question Number : 25 Question Id : 6789136725 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If $\sec\theta + \tan\theta = x$, then $\sec\theta =$?

Options :

1. ✖ $1 + x^2$

2. ✖ $\frac{(1-x^2)}{2x}$

3. ✔ $\frac{(1+x^2)}{2x}$

4. ✖ $x(1 + x)$

Question Number : 26 Question Id : 6789136726 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

X is the son-in-law of V. Z is the son of V. X is _____ to Z.

Options :

1. ✖ Brother

2. ✔ Brother-in-law

3. ✖ Cousin

4. ✖ Father

Question Number : 27 Question Id : 6789136727 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

'Mouth' is related to 'Human' in the same way 'Beak' is related to:

Options :

1. ✔ 'Birds'

2. ✖ 'Hippos'

3. ✖ 'Elephants'

4. ✖ 'Animals'

Question Number : 28 Question Id : 6789136728 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In a certain code, if DAM is written as 524, then how will POUR be written as?

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

Options :

1. 7629

2. 7628

3. 7329

4. 7619

Question Number : 29 Question Id : 6789136729 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Directions: In this question three statements followed by two conclusions numbered I and II have been given. You have to take the given statements to be true even if they seem to be at variance with the commonly known facts and then decide which of the given conclusions logically follows from the given statements.

Statements:
All G are I.
Some I are D.
All D are T.

Conclusions:
I) At least some T are I
II) All T being G is a possibility.

Options :

1. ✖ Neither conclusion I nor II follows

2. ✖ Either conclusion I or II follows

3. ✖ Only conclusion I follows

4. ✔ Both conclusion I and II follow

Question Number : 30 Question Id : 6789136730 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 term in the same way as the second term is related to the first term.

Earth : Sun :: Moon : _____

Options :

1. ✖ Stars

2. ✔ Planet

3. ✖ Galaxy

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4. ✗ Mercury

Question Number : 31 Question Id : 6789136731 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Read the statement and decide which of the conclusions logically follows from the given information.

Statement: Some vans are cars. All the cars are cycles.

Conclusions:
1. Some Vans are cycles
2. No car is van

Options :

1. ✓ Only (1) follows

2. ✗ Only (2) follows

3. ✗ Either (1) or (2) follows

4. ✗ Both (1) & (2) follows

Question Number : 32 Question Id : 6789136732 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Read the statement and decide which of the conclusions logically follows from the given information.

Statement:
Radha, Sudha and Murthy are siblings. Radha is 4 years older than Sudha and 6 years older than Murthy.

Conclusions:
I. Radha, Sudha and Murthy are born to the same parents.
II. Radha is the oldest of the three.

Options :

1. ✗ Only conclusion I follows

2. ✗ Only conclusion II follows

3. ✗ Neither conclusion I nor II follows

4. ✓ Both conclusions I and II follow

Question Number : 33 Question Id : 6789136733 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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Read the given statement and the following conclusions carefully and select which of the conclusions logically follows from the statement.

Statement:
Vikas asked the librarian, "Where can I find French books?"

Conclusions:
I. Vikas is interested in French.
II. Vikas is in a library.

Options :

1. ✗ Conclusion I alone follows.

2. ✗ Conclusion II alone follows.

3. ✓ Both the conclusions follow.

4. ✗ Neither conclusion I nor II follows.

Question Number : 34 Question Id : 6789136734 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 students below 18 years of age be disallowed from going to a hookah smoking centre?

Arguments:
I) No, it's against their right to have fun
II) Yes, this will help in preventing students from getting into bad company and vices.

Options :

1. ✗ Only I is strong

2. ✓ Only II is strong

3. ✗ Either I or II is strong

4. ✗ Neither I nor II is strong

Question Number : 35 Question Id : 6789136735 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Consider the statements and the following assumptions and decide which of the assumptions is/are implicit in the statement

Statement:
Fears and phobias are the breeding ground for many mental diseases

Assumptions:
I. Fears and Phobias develop based on the outer circumstances we face in our day-to-day life
II. Humans fear anything which they don't know fully

Options :

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1. ✖ Only I is implicit

2. ✖ Only II is implicit

3. ✖ Both I and II are implicit

4. ✔ Neither I nor II is implicit

Question Number : 36 Question Id : 6789136736 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the next number in the series:
4, 9, 20, 43, 90,?

Options :

1. ✖ 180

2. ✔ 185

3. ✖ 190

4. ✖ 200

Question Number : 37 Question Id : 6789136737 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the missing term:
69, 55, 26, ?---, 4

Options :

1. ✔ 13

2. ✖ 12

3. ✖ 14

4. ✖ 8

Question Number : 38 Question Id : 6789136738 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the next term in the following series.

CB, FE, IH, _____

Options :

1. ✔ LK

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2. ✖ KL

3. ✖ LN

4. ✖ LM

Question Number : 39 Question Id : 6789136739 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Complete the series by choosing the correct option.
P32S, Q16R, R8Q, ?

Options :

1. ✖ S2S

2. ✖ P2S

3. ✔ S4P

4. ✖ P4S

Question Number : 40 Question Id : 6789136740 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Read the given question and decide which of the following statements is/are sufficient to answer the question.

Question:
Who is standing at the farthest end of the queue among N, R and S?

Statements:
1. S is in the middle and N is at the counter.
2. S is older than N and R.

Options :

1. ✔ Statement 1 alone is sufficient.

2. ✖ Statements 1 and 2 together are sufficient.

3. ✖ Statement 2 alone is sufficient.

4. ✖ Statements 1 and 2 together are insufficient.

Question Number : 41 Question Id : 6789136741 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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

Question:

Latika has 5 sarees of 4 different colours. Find how many blue sarees she has.

Statements:

1. There are 2 red sarees.
2. Some are chiffon and some are cotton.

Options :

1. ✖ Statement 1 alone is sufficient.

2. ✖ Statement 2 alone is sufficient.

3. ✖ Statement 1 and 2 together are required.

4. ✔ Both statements are insufficient.

Question Number : 42 Question Id : 6789136742 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The table shows the number of medals won by countries at the Olympics in the past five years. What was the total number of medals won by country 'Z' in five years?

Country Name	2012	2013	2014	2015	2016
X	2	3	4	2	7
Y	5	2	3	5	6
Z	12	2	1	5	13
T	6	1	9	2	7

Options :

1. ✖ 30

2. ✖ 31

3. ✖ 32

4. ✔ 33

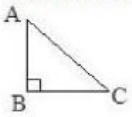
Question Number : 43 Question Id : 6789136743 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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

Question:

Find the area of the triangle ΔABC.



1) AC = 5cm
2) AB = 4cm

Options :

1. ✖ Only 1 is sufficient

2. ✖ Only 2 is sufficient

3. ✖ Either 1 or 2 is sufficient

4. ✔ Both 1 and 2 are necessary

Question Number : 44 Question Id : 6789136744 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

From the given options, select the term that is related to the third term in the same way as the second term is related to the first term.

House : Bricks :: Leaf : ?

Options :

1. ✖ Flowers

2. ✖ Chlorophyll

3. ✔ Cells

4. ✖ Stem

Question Number : 45 Question Id : 6789136745 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Y is the brother-in-law of V. V is the daughter-in-law of Y's father. Y's father has only two sons R and Y. R is the _____ of V.

Options :

1. ✔ Husband

2. ✖ Brother-in-law

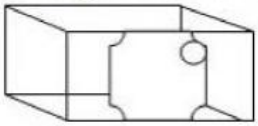
3. ✖ Son

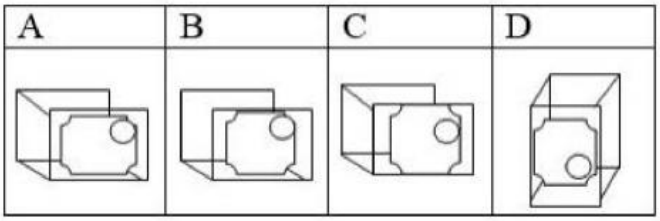
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4. ✖ Father

Question Number : 46 Question Id : 6789136746 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which pattern most closely resembles the given image?





Options :

1. ✖ A

2. ✖ B

3. ✖ C

4. ✔ D

Question Number : 47 Question Id : 6789136747 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the odd one out from among the following figures.



Options :

1. ✖ A

2. ✖ B

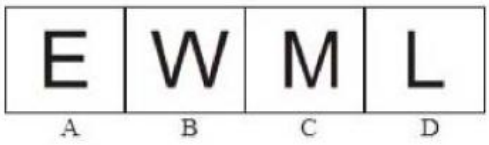
3. ✖ C

4. ✔ D

Question Number : 48 Question Id : 6789136748 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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Find the odd one out from the given figures:



Options :

1. ✖ A

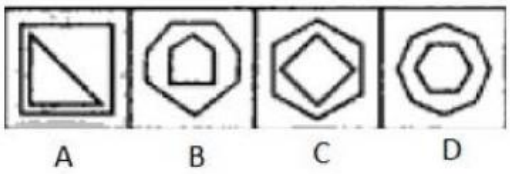
2. ✖ B

3. ✖ C

4. ✔ D

Question Number : 49 Question Id : 6789136749 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Select the picture that does NOT belong in the following group.



Options :

1. ✔ A

2. ✖ B

3. ✖ C

4. ✖ D

Question Number : 50 Question Id : 6789136750 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What is the minimum number of colours required to fill the spaces in the given diagram without any two adjacent spaces having the same colour?



Options :

1. ✖ 6

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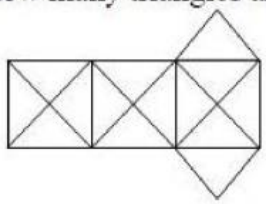
2. ✖ 5

3. ✖ 4

4. ✔ 3

Question Number : 51 Question Id : 6789136751 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

How many triangles are there in this figure?



Options :

1. ✖ 32

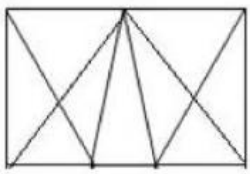
2. ✖ 16

3. ✖ 24

4. ✔ 30

Question Number : 52 Question Id : 6789136752 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

How many triangles are present in the below figure?



Options :

1. ✖ 16

2. ✖ 18

3. ✔ 20

4. ✖ 19

Question Number : 53 Question Id : 6789136753 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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Vindhya was walking in East direction. If Sanjay was walking in opposite direction to Vindhya, then in which direction Sanjay was walking?

Options :

1. ✔ West

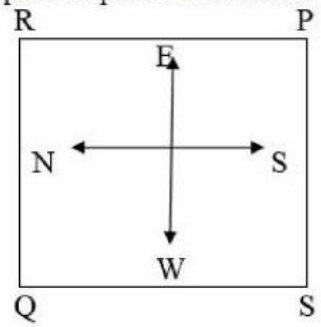
2. ✖ East

3. ✖ South

4. ✖ North

Question Number : 54 Question Id : 6789136754 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The following question is based on the diagram given below showing four students standing at the four corners of a square piece of plot as shown below:



From the original position Q and S move one and a half-length of sides clockwise and anti- clockwise respectively. Which one of the following statements is true?

Options :

1. ✖ Q and S are both at the midpoint between P and S.

2. ✖ S is the midpoint between P and R, and Q at the corner originally occupied by R.

3. ✔ Q and S are both at the midpoint between P and R.

4. ✖ Q is the midpoint between P and R, and S at the corner originally occupied by P.

Question Number : 55 Question Id : 6789136755 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If in a certain code, MONKEY is written as XDJMNL, then how is TIGER written in that code?

Options :

1. ✔ QDFHS

2. ✖ SSFHS

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3. ✖ SHFFQ

4. ✖ UJJFS

Question Number : 56 Question Id : 6789136756 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The motion of a body is said to be uniform when its velocity is ___.

Options :

1. ✖ fixed

2. ✔ constant

3. ✖ minimum

4. ✖ maximum

Question Number : 57 Question Id : 6789136757 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 moon is _____ th its weight on the earth.

Options :

1. ✖ 1/4

2. ✖ 1/5

3. ✔ 1/6

4. ✖ 1/7

Question Number : 58 Question Id : 6789136758 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

When we write with a piece of chalk on a black board, which force is allowing us to do so?

Options :

1. ✖ Muscular force

2. ✖ Contact force

3. ✔ Frictional force

4. ✖ Field force

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Question Number : 59 Question Id : 6789136759 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Two balls of the same mass are moving with different velocities. Which ball will require greater force to stop it?

Options :

1. ✖ As both have same mass, they will require equal force to stop them.

2. ✔ The ball moving with greater velocity will require greater force.

3. ✖ The ball moving with lesser velocity will require greater force.

4. ✖ The balls will stop on their own at the same time.

Question Number : 60 Question Id : 6789136760 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following quantities possess same units?

Options :

1. ✔ Force and Weight

2. ✖ Work and Force

3. ✖ Work and Power

4. ✖ Force and Power

Question Number : 61 Question Id : 6789136761 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A ball moves a distance of 10 m along a straight line under the action of a force of 5 N. If the work done is 50 J, then the angle between force and the direction of motion is:

Options :

1. ✖ 90°

2. ✖ 60°

3. ✖ 30°

4. ✔ 0°

Question Number : 62 Question Id : 6789136762 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If velocity is tripled, then:

Options :

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1. ✖ momentum increases 9 times and K.E increases 3 times

2. ✖ momentum increases 3 times and K.E increases 6 times

3. ✖ momentum increases 4 times and K.E increases 2 times

4. ✔ momentum increases 3 times and K.E increases 9 times

Question Number : 63 Question Id : 6789136763 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which one of the below is the correct mirror formula?

Options :

1. ✔ $\frac{1}{f} = \frac{1}{v} + \frac{1}{u}$

2. ✖ $\frac{1}{v} = \frac{1}{f} + \frac{1}{u}$

3. ✖ $\frac{1}{f} = \frac{1}{v} + \frac{1}{-u}$

4. ✖ $\frac{1}{f} = \frac{1}{-v} + \frac{1}{u}$

Question Number : 64 Question Id : 6789136764 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following statements is INCORRECT?

Options :

1. ✔ The nature of an image formed by a plane mirror is real and erect.

2. ✖ The size of an image formed by a plane mirror is equal to that of the object.

3. ✖ The image formed on a plane mirror is at the same distance behind the mirror as the object is in front of the mirror.

4. ✖ The image formed on a plane mirror is laterally inverted (or sideways reversed) with respect to the object.

Question Number : 65 Question Id : 6789136765 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The first controlled fission of an atom was carried out in Germany in:

Options :

1. ✖ 1920

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2. ✖ 1925

3. ✖ 1928

4. ✔ 1938

Question Number : 66 Question Id : 6789136766 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In a ____ circuit, the electricity has more than one path to flow through.

Options :

1. ✖ complete

2. ✖ conductor

3. ✔ parallel

4. ✖ series

Question Number : 67 Question Id : 6789136767 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The radius of an electron is inversely proportional to its/the:

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

Options :

1. velocity

2. square of its velocity

3. density

4. square of its density

Question Number : 68 Question Id : 6789136768 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What is the value of Avogadro Constant (N_A)?

Options :

1. ✖ $9.023x10^{-12}$

2. ✖ $3.145x10^{20}$

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3. ✖ 6.220×10^{23}

4. ✔ 6.022×10^{23}

Question Number : 69 Question Id : 6789136769 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The molecular formula of Aluminium Oxide is _____.

Options :

1. ✖ AlO

2. ✖ Al_3O_2

3. ✔ Al_2O_3

4. ✖ AlO_3

Question Number : 70 Question Id : 6789136770 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Consider equation $Al_2O_3 + NaOH + H_2O \rightarrow NaAl(OH)_4$. Moles of product required to balance reaction would be:

Options :

1. ✖ 1

2. ✔ 2

3. ✖ 3

4. ✖ 4

Question Number : 71 Question Id : 6789136771 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Read the given statements and select the correct option.

Statement 1: Water has a pH value of 7, making it neutral.
Statement 2: All neutral substances turn blue litmus to red.

Options :

1. ✖ Both 1 and 2 are true.

2. ✖ Both 1 and 2 are false.

3. ✔ 1 is true and 2 is false.

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4. ✖ 1 is false and 2 is true.

Question Number : 72 Question Id : 6789136772 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which metal is found in plants?

Options :

1. ✖ Fe

2. ✖ Cr

3. ✔ Mg

4. ✖ Al

Question Number : 73 Question Id : 6789136773 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which among the following is NOT a functional group in carbon compounds?

Options :

1. ✖ Aldehyde

2. ✖ Alcohol

3. ✔ Carbonic acid

4. ✖ Carboxylic acid

Question Number : 74 Question Id : 6789136774 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

____ of an element have/has similar chemical properties but different atomic masses.

Options :

1. ✖ Isobar

2. ✔ Isotopes

3. ✖ Isonym

4. ✖ Allotropes

Question Number : 75 Question Id : 6789136775 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Elements belonging to groups 1 to 17 are called _____.

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Options :

1. ✗ noble gases

2. ✓ normal elements

3. ✗ transition elements

4. ✗ inner transition elements

Question Number : 76 Question Id : 6789136776 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following algae exhibits a diplontic life cycle, a common feature also observed in angiosperms?

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

Options :

1. Spirogyra

2. Ectocarpus

3. Polysiphonia

4. Focus

Question Number : 77 Question Id : 6789136777 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Cells were first discovered by _____.

Options :

1. ✓ Robert Hooke

2. ✗ Robert Brown

3. ✗ Schleiden

4. ✗ Virchow

Question Number : 78 Question Id : 6789136778 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In human beings, the food has to be converted to _____ form for the pancreatic enzymes to act on it.

Options :

1. ✗ Acidic

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2. ✔ Alkaline

3. ✖ Neutral

4. ✖ All of the options

Question Number : 79 Question Id : 6789136779 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Spirogyra reproduces by_____.

Options :

1. ✖ budding

2. ✖ fission

3. ✔ fragmentation

4. ✖ multiple fission

Question Number : 80 Question Id : 6789136780 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The arrangement of the nuclei in a normal embryo sac in the dicot plants is:

Options :

1. ✖ 2+3+3

2. ✔ 3+2+3

3. ✖ 2+4+2

4. ✖ 3+3+2

Question Number : 81 Question Id : 6789136781 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The first inaugural edition of Khelo India School Games (KISG) was held from 31st January to 8th February, 2018 at Indira Gandhi Indoor Stadium.Who inaugurated it?

Options :

1. ✖ Sachin Tendulkar

2. ✖ Rajyavardhan Singh Rathore

3. ✖ President Ram Nath Kovind

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4. ✔ Prime Minister Narendra Modi

Question Number : 82 Question Id : 6789136782 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which country has won the 37th edition of Hockey Champions trophy, 2018?

Options :

1. ✔ Australia

2. ✖ India

3. ✖ Pakistan

4. ✖ Bangladesh

Question Number : 83 Question Id : 6789136783 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Rani Rampal is the captain of which of the following Indian sports team?

Options :

1. ✖ Cricket

2. ✔ Hockey

3. ✖ Foot ball

4. ✖ Kabaddi

Question Number : 84 Question Id : 6789136784 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In which of the following fields are the prestigious Oscar Awards given for excellence?

Options :

1. ✖ Politics

2. ✖ Social work

3. ✔ Cinema

4. ✖ Sports

Question Number : 85 Question Id : 6789136785 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who won 2018 Padma Bhushan in the Literature and Education category?

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Options :

1. ✔ Ved Prakash Nanda

2. ✖ Ramachandran Nagaswamy

3. ✖ Laxman Pai

4. ✖ Arvind Parikh

Question Number : 86 Question Id : 6789136786 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following bhakti saint propounded Advaita philosophy?

Options :

1. ✖ Ramanuja

2. ✖ Thyagaraja

3. ✖ Madhvacharya

4. ✔ Shankaracharya

Question Number : 87 Question Id : 6789136787 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who is the second female pilot to fly a fighter aircraft recently?

Options :

1. ✔ Bhawana Kanth

2. ✖ Avani Chaturvedi

3. ✖ Anjali Gupta

4. ✖ Mohana Singh

Question Number : 88 Question Id : 6789136788 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who is the first Indian to be awarded the prestigious Family Health Foundation Prize by the World Health Organisation (WHO) in 2018?

Options :

1. ✔ Dr. Vinod Paul

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2. ✖ Mr. Bibek Debroy

3. ✖ Prof Ramesh Chand

4. ✖ Mr. V K Saraswat

Question Number : 89 Question Id : 6789136789 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who was appointed as the UN Environment Goodwill Ambassador for India in November 2017?

Options :

1. ✖ Madhuri Dixit

2. ✔ Dia Mirza

3. ✖ Shilpa Shetty

4. ✖ Twinkle Khanna

Question Number : 90 Question Id : 6789136790 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Article 35A of the Indian Constitution describes about Special Provisions for which state?

Options :

1. ✖ Assam

2. ✔ Jammu and Kashmir

3. ✖ Himachal Pradesh

4. ✖ Tamil Nadu

Question Number : 91 Question Id : 6789136791 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Manik Sarkar led the Tripura Government as its Chief Minister for the last 20 years before his party lost the polls recently. Which party did Manik Sarkar represent?

Options :

1. ✖ Tripura National Congress

2. ✔ CPM

3. ✖ BJP

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4. ✖ Trinamool Congress

Question Number : 92 Question Id : 6789136792 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Kapu Reservation Bill is associated with which state?

Options :

1. ✖ Karnataka

2. ✖ Tamil Nadu

3. ✖ Manipur

4. ✔ Andhra Pradesh

Question Number : 93 Question Id : 6789136793 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which political party came to power post the Tripura Assembly Elections held in 2018?

Options :

1. ✖ Congress

2. ✔ B.J.P.

3. ✖ C.P.M.

4. ✖ C.P.I.

Question Number : 94 Question Id : 6789136794 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Persia held dominance in Northern India until the conquest of Alexander the Great in _____.

Options :

1. ✔ 327 BCE

2. ✖ 237 BCE

3. ✖ 732 BCE

4. ✖ 723 BCE

Question Number : 95 Question Id : 6789136795 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Ishwar Chandra Vidyasagar made the British government legalise widow remarriage in the year _____.

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Options :

1. ✖ 1876

2. ✖ 1886

3. ✖ 1855

4. ✔ 1856

Question Number : 96 Question Id : 6789136796 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The city of Rangpo is located in _____.

Options :

1. ✖ Tripura

2. ✖ Manipur

3. ✖ Nagaland

4. ✔ Sikkim

Question Number : 97 Question Id : 6789136797 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

____ is the oldest, largest and the most spectacular of South Goa beaches.

Options :

1. ✖ Morjim

2. ✔ Colva

3. ✖ Baga

4. ✖ Candolim

Question Number : 98 Question Id : 6789136798 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

PRATHAM is an NGO that works in the field of:

Options :

1. ✖ Agriculture

2. ✖ Technology

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3. ✖ Health

4. ✔ School education & learning

Question Number : 99 Question Id : 6789136799 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which technology is used by the Indian Railways for tracking of wagons, coaches and locomotives to ensure the effective and transparent functioning of the system?

Options :

1. ✖ Wi-Fi Technology

2. ✖ WhatsApp Live Location

3. ✖ Express Wi-Fi"

4. ✔ Radio-frequency identification tags

Question Number : 100 Question Id : 6789136800 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

How many crores order did BHEL bag from NTPC for supply and installation of the flue gas desulphurisation?

Options :

1. ✖ 650 crores

2. ✔ 560 crores

3. ✖ 555 crores

4. ✖ 666 crores