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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 4th 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 : 6789131901 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The sum of $\frac{5}{12}$ and $\frac{12}{5}$ is:

Options :

1. ✖ $\frac{17}{60}$

2. ✖ $\frac{60}{17}$

3. ✔ $\frac{169}{60}$

4. ✖ $\frac{17}{17}$

Question Number : 2 Question Id : 6789131902 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A fraction when taken away from $\frac{1}{5}$ gives $\frac{1}{12}$. What is the fraction?

Options :

1. ✖ $\frac{1}{7}$

2. ✖ $\frac{11}{30}$

3. ✔ $\frac{7}{60}$

4. ✖ $\frac{5}{12}$

Question Number : 3 Question Id : 6789131903 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Samu spent ¼ of his money on books and 1/8 on food. If he is left with ₹ 40, how much did he spend on food?

Options :

1. ✖ ₹ 6

2. ✔ ₹ 8

3. ✖ ₹ 10

4. ✖ ₹ 12

Question Number : 4 Question Id : 6789131904 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following is a reducible fraction?

Options :

1. ✔ $\frac{105}{112}$

2. ✖ $\frac{104}{121}$

3. ✖ $\frac{77}{72}$

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4. ✖ $\frac{5}{49}$

Question Number : 5 Question Id : 6789131905 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The HCF of 66, 198 and 154 is _____.

Options :

1. ✔ 22

2. ✖ 44

3. ✖ 66

4. ✖ 33

Question Number : 6 Question Id : 6789131906 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the value of $\sqrt{0.7}$

Options :

1. ✖ 0.948

2. ✔ 0.836

3. ✖ 0.894

4. ✖ 0.598

Question Number : 7 Question Id : 6789131907 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

$138 \div [35 - \{53 - (89 - 72 \div 9 \times 6)\}] = ?$

Options :

1. ✖ 23

2. ✖ 3

3. ✖ 2

4. ✔ 6

Question Number : 8 Question Id : 6789131908 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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x and y, given correct to 1 decimal place, are given as 6.2 and 1.3 respectively. What is the upper bound of the value of $\frac{x}{y}$?

Options :

1. ✔ 5

2. ✖ 4.96

3. ✖ 4.77

4. ✖ 5.05

Question Number : 9 Question Id : 6789131909 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Kaushik bought a toy for ₹ 180 and sold it for ₹ 202.50. The rate of profit was ___ %.

Options :

1. ✖ 17.5

2. ✖ 16

3. ✖ 15.25

4. ✔ 12.5

Question Number : 10 Question Id : 6789131910 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find SP when MP =160 and discount =12%?

Options :

1. ✔ 140.80

2. ✖ 132.80

3. ✖ 160.80

4. ✖ 100

Question Number : 11 Question Id : 6789131911 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 5 years gives ₹ 5,250 as the amount. If the simple rate of interest was 2% per annum more than what it was, the amount would have been ₹ 5,600. The original sum invested was:

Options :

1. ✖ ₹ 3,750

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2. ✖ ₹ 3,250

3. ✔ ₹ 3,500

4. ✖ ₹ 4,000

Question Number : 12 Question Id : 6789131912 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If you invest ₹ 100 at 40% annual interest compounded quarterly, how much will you receive after one year?

Options :

1. ✖ ₹ 145.61

2. ✔ ₹ 146.41

3. ✖ ₹ 148.11

4. ✖ ₹ 149.01

Question Number : 13 Question Id : 6789131913 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A tractor can finish its journey in 10 hours at the speed of 36 km/hr. If the same distance must be covered in 8 hours, what should be the speed of the tractor?

Options :

1. ✔ 45 km/hr

2. ✖ 50 km/hr

3. ✖ 55 km/hr

4. ✖ 60 km/hr

Question Number : 14 Question Id : 6789131914 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In a hostel, there is stock of 6,190.80 kg of wheat for feeding 105 students for 22 days. After 5 days, 14 students joined the hostel. How many days will the balance wheat feed the students, if all students consume the same quantity per day?

Options :

1. ✖ 17 days

2. ✔ 15 days

3. ✖ 13 days

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4. ✖ 11 days

Question Number : 15 Question Id : 6789131915 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

45 men can complete a piece of work in 12 days. In how many days will 36 men be able to complete it?

Options :

1. ✖ 18

2. ✔ 15

3. ✖ 10

4. ✖ 16

Question Number : 16 Question Id : 6789131916 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Two pipes feed a water tank at the rate of 2 liters/minute and 3 liters/minute. A third pipe draws out water at a rate of 6 liters/minute. The capacity of the tank is 100 liters and it is full of water. How many minutes would it take to make the tank empty if the three pipes are opened simultaneously?

Options :

1. ✖ 50

2. ✖ 75

3. ✔ 100

4. ✖ 125

Question Number : 17 Question Id : 6789131917 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Anusri is eleven years younger than Yashomati. Fifteen years from now, Yashomati's age will be three times Anusri's present age. What is Yashomati's present age?

Options :

1. ✖ 21 years

2. ✖ 20 years

3. ✖ 23 years

4. ✔ 24 years

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Question Number : 18 Question Id : 6789131918 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Two pipes X and Y can fill up a tank in 32 minutes and 16 minutes respectively. If both the pipes are opened simultaneously, after how much time should Y be closed, so that the tank is full in 20 minutes?

Options :

1. ✖ 4 minutes

2. ✔ 6 minutes

3. ✖ 8 minutes

4. ✖ 10 minutes

Question Number : 19 Question Id : 6789131919 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A cylinder has the same height as the radius of its base. A hollow sphere has the same outer radius as that of the base of the cylinder while the inner radius is half of the outer radius. Find the ratio of the volumes of the cylinder to the hollow sphere.

Options :

1. ✖ 5 : 6

2. ✔ 6 : 7

3. ✖ 7 : 8

4. ✖ 3 : 4

Question Number : 20 Question Id : 6789131920 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Arjun was born on 1st January 2007, Monday. What day of the week lies on 1st January, 2008?

Options :

1. ✖ Sunday

2. ✖ Friday

3. ✖ Wednesday

4. ✔ Tuesday

Question Number : 21 Question Id : 6789131921 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What are the roots of the equation $2x^2 + 4x = 30$?

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Options :

1. ✖ 10, 3

2. ✖ $2, -15$

3. ✔ $-5, 3$

4. ✖ 6, 5

Question Number : 22 Question Id : 6789131922 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The mean of the 5 smallest numbers from a group is 18 while the mean of all the 13 members of the group taken together is 20. What is the mean of the 8 largest numbers?

Options :

1. ✖ 21.75

2. ✔ 21.25

3. ✖ 22.50

4. ✖ 22.75

Question Number : 23 Question Id : 6789131923 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If $\text{cosec}^4\theta - \text{cosec}^2\theta = 1.24$, then $\cot^4\theta + \cot^2\theta = ?$

Options :

1. ✖ 0.62

2. ✔ 1.24

3. ✖ 1.86

4. ✖ 2.48

Question Number : 24 Question Id : 6789131924 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The average marks obtained by Suvir in 15 tests is 29. Ruchira is maintaining an average of 27 so far but has taken only 11 of the tests so far. How much does Ruchira have to score on an average in the remaining four tests to match Suvir's performance?

Options :

1. ✖ 36

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2. ✖ 35.5

3. ✖ 35

4. ✔ 34.5

Question Number : 25 Question Id : 6789131925 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The sum of the interior angles of a regular heptagon (seven-sided polygon) is:

Options :

1. ✖ 1080°

2. ✔ 900°

3. ✖ 720°

4. ✖ 540°

Question Number : 26 Question Id : 6789131926 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Padma is the sister of Suresh's mother. How is Padma related to Suresh?

Options :

1. ✔ Aunt

2. ✖ Mother

3. ✖ Grandmother

4. ✖ Sister

Question Number : 27 Question Id : 6789131927 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Four words have been given below of which three are alike in some way and one is different. Choose the odd one out:

Options :

1. ✖ ISM Dhanbad

2. ✖ BHU Varanasi

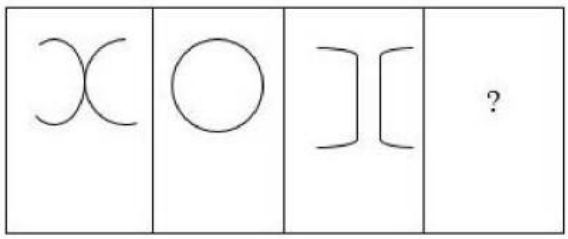
3. ✖ NIT Warangal

4. ✔ (CBI) Central Bureau of Investigation

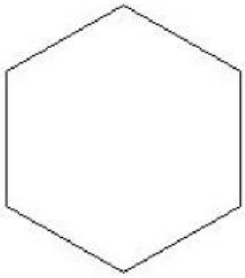
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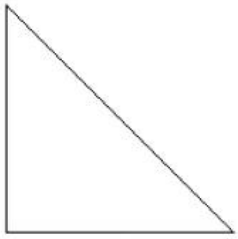
Question Number : 28 Question Id : 6789131928 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

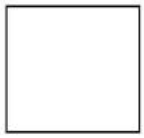
Choose the correct option to complete the series.



Options :

1. ✖ 

2. ✖ 

3. ✔ 

4. ✖ 

Question Number : 29 Question Id : 6789131929 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(s) and conclusions carefully and select which of the conclusions logically follow(s) from the statement(s).

Statements:

I. All pigs are white.

II. Some white are peacock.

Conclusions:

1. Some peacock are pigs.

2. Some white are pigs.

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 : 6789131930 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.

Wait : Linger :: Bite :

Options :

1. ✖ Hiss

2. ✔ Gnaw

3. ✖ Murmur

4. ✖ Eat

Question Number : 31 Question Id : 6789131931 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If in a code, TRUCK is written as RPSAI, how will TOOL be written as in that code?

Options :

1. ✖ RMJM

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2. ✖ RJKM

3. ✖ JMRJ

4. ✔ RMMJ

Question Number : 32 Question Id : 6789131932 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: Is morning dose of coffee good for health?

Arguments :

I. Yes, coffee contains high antioxidants and many minerals which supply essential nutrients to the body.

II. No, consuming too much coffee can lead to panic anxiety attacks and also reduces the quality of sleep.

Options :

1. ✔ Only argument I is strong

2. ✖ Only argument II is strong

3. ✖ Neither I nor II is strong

4. ✖ Both I and II are strong.

Question Number : 33 Question Id : 6789131933 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 assumption(s) is/are implicit in the statement.

Statement : Organisations that follow certain business ethics have better chances of survival, compared to those whose only goal is to earn profits

Assumptions:

I. A written code of ethics to let the employees know the do's and dont's of an organisation is important.

II. Organisations should focus on training employees on code of ethics.

Options :

1. ✖ Only assumption I is implicit

2. ✖ Only assumption II is implicit

3. ✖ Neither I nor II is implicit

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4. ✔ Both I and II are implicit.

Question Number : 34 Question Id : 6789131934 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: "Beware of the dog," a signboard states.

Assumptions:

I. Dogs protect the home.

II. Dogs are the most loyal animals.

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 : 6789131935 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:

There is more wastage of water due to water purifiers.

Arguments:

I. Yes, houses should adopt ways to reuse the excess water produced from the filters so that it can be given back to the land.

II. No, it enters the sewage system and automatically goes back.

Options :

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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 : 6789131936 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the next letter set in the given series.

CV, ET, HQ, ?

Options :

1. ✖ LG

2. ✖ LK

3. ✔ LM

4. ✖ MX

Question Number : 37 Question Id : 6789131937 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which alpha-numeric set will follow in the given series?

12E, 15B, 18Y, 21V, ?

Options :

1. ✖ 20V

2. ✔ 24S

3. ✖ 25G

4. ✖ 28T

Question Number : 38 Question Id : 6789131938 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

-3, -8, -13, -18, _____ the sum of first 10^{th} term in the sequence is:

Options :

1. ✖ -245

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2. ✖ -250

3. ✔ -255

4. ✖ -260

Question Number : 39 Question Id : 6789131939 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find out the least number to be added to 1051 to make it completely divisible by 33.

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

Options :

1. 38

2. 31

3. 33

4. 36

Question Number : 40 Question Id : 6789131940 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The following chart shows the results of three athletic academies in the district level selections for three years.

Academy	2012	2013	2014
A	2	3	4
B	1	5	2
C	3	7	9

How many selections were done in the year 2014 for academy 'C'?

Options :

1. ✖ 3

2. ✖ 7

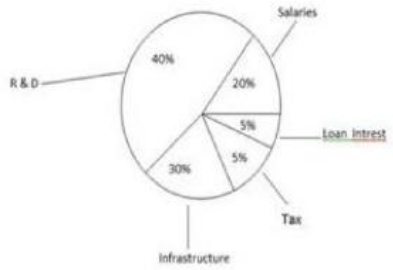
3. ✔ 9

4. ✖ 19

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Question Number : 41 Question Id : 6789131941 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The following pie chart shows the expenditure of company XYZ in Q3 2015 on various heads.



If company XYZ has spent a total of ₹100 lakh crores on the various heads then how much did it spend on R & D (in lakh crores)?

Options :

1. ✖ 10

2. ✖ 20

3. ✖ 30

4. ✔ 40

Question Number : 42 Question Id : 6789131942 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:

How many sons does X have?

Statements:

1. Y and Z are brothers of W
2. The mother of Z is wife of W's father

Options :

1. ✖ 1 alone is sufficient while 2 alone is not sufficient

2. ✖ 2 alone is sufficient while 1 alone is not sufficient

3. ✔ Neither 1 nor 2 alone is sufficient

4. ✖ Both 1 and 2 together are sufficient

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Question Number : 43 Question Id : 6789131943 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 is given below:

Amrith is older than Manish. Vishnu is older than Manish but younger than Amrith. Dhivakar is younger than Rakesh and Manish. Manish is older than Rakesh.

Who is the eldest?

Options :

1. ✖ Rakesh

2. ✖ Manish

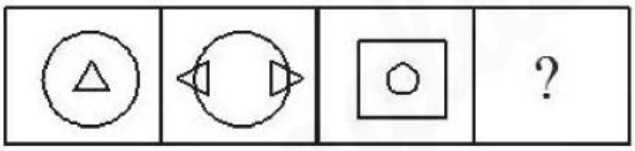
3. ✔ Amrith

4. ✖ Vishnu

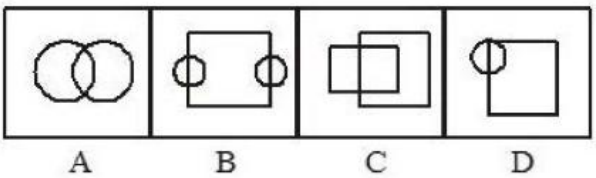
Question Number : 44 Question Id : 6789131944 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Pick the figure that will complete the given series.

Problem Figures:



Answer Figures:



Options :

1. ✖ A

2. ✔ B

3. ✖ C

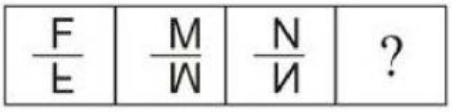
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4. ✖ D

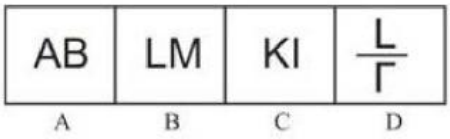
Question Number : 45 Question Id : 6789131945 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the next figure for the given series:

Problem figures



Answer figures:



Options :

1. ✖ A

2. ✖ B

3. ✖ C

4. ✔ D

Question Number : 46 Question Id : 6789131946 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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





A B C D

Options :

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1. ✖ A

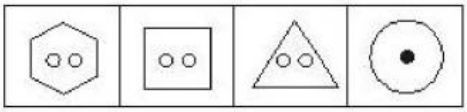
2. ✔ B

3. ✖ C

4. ✖ D

Question Number : 47 Question Id : 6789131947 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the odd figure out from among the given figures.



A B C D

Options :

1. ✖ A

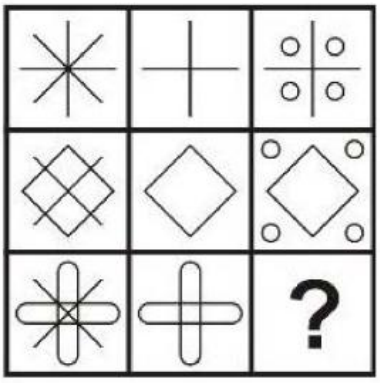
2. ✖ B

3. ✖ C

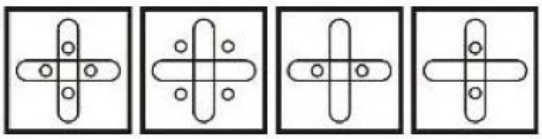
4. ✔ D

Question Number : 48 Question Id : 6789131948 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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Choose the correct picture that fits the blank place.



Options :

1. ✖ A

2. ✔ B

3. ✖ C

4. ✖ D

Question Number : 49 Question Id : 6789131949 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the missing word.

Leap (____)Jump

Options :

1. ✖ Run

2. ✖ Descend

3. ✖ Walk

4. ✔ Bounce

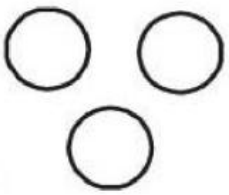
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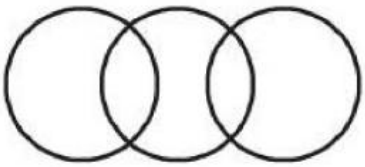
Question Number : 50 Question Id : 6789131950 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

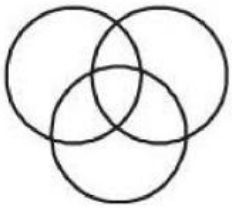
Choose the best suitable Venn diagram for the following words

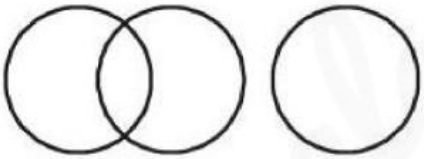
Capsicum, Mat, Rat.

Options :

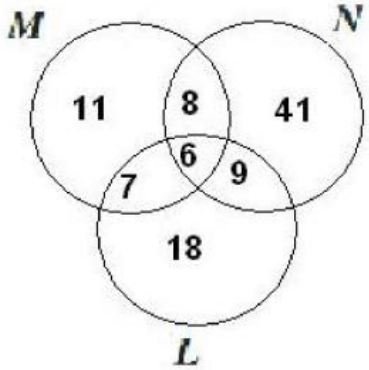
1. ✔ 

2. ✖ 

3. ✖ 

4. ✖ 

Question Number : 51 Question Id : 6789131951 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 M is:

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Options :

1. ✖ 11

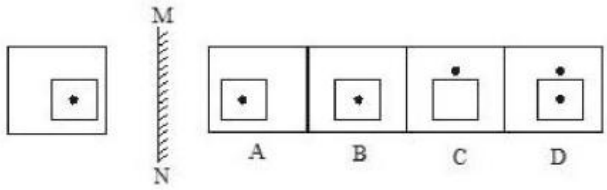
2. ✔ 32

3. ✖ 7

4. ✖ 21

Question Number : 52 Question Id : 6789131952 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the mirror image of the following figure if the mirror is placed at line MN.



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

Options :

1. A

2. B

3. C

4. D

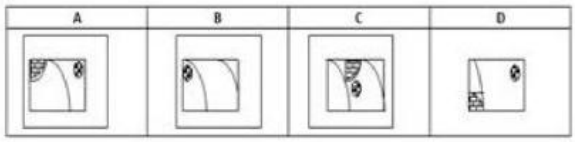
Question Number : 53 Question Id : 6789131953 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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

Problem figure:



Answer figures:



Options :

1. ✔ A

2. ✖ B

3. ✖ C

4. ✖ D

Question Number : 54 Question Id : 6789131954 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If East becomes North-East then what will West become?

Options :

1. ✔ South-West

2. ✖ South-East

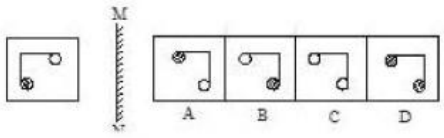
3. ✖ North-East

4. ✖ North-West

Question Number : 55 Question Id : 6789131955 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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Choose the mirror image for the following figure:



Options :

1. ✖ A

2. ✔ B

3. ✖ C

4. ✖ D

Question Number : 56 Question Id : 6789131956 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Force = _____.

Options :

1. ✖ mass × velocity

2. ✔ mass × acceleration

3. ✖ mass × pressure

4. ✖ mass × volume

Question Number : 57 Question Id : 6789131957 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Objects move with a constant speed when no _____ is acting on it.

Options :

1. ✖ pressure

2. ✖ inertia

3. ✔ force

4. ✖ momentum

Question Number : 58 Question Id : 6789131958 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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Nm^{-2} is the SI unit of:

Options :

1. ✖ Force

2. ✔ Pressure

3. ✖ Work

4. ✖ Power

Question Number : 59 Question Id : 6789131959 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A car accelerates uniformly from 18 kmh^{-1} to 36 kmh^{-1} in 5 s. Calculate the acceleration of the car.

Options :

1. ✖ $4\ ms^{-2}$

2. ✖ $4\ ms^{2}$

3. ✔ $1\ ms^{-2}$

4. ✖ $1\ ms^{2}$

Question Number : 60 Question Id : 6789131960 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A force of 10 N is acting on an object. The object is displaced through 5 m in the direction of force. Then the work done is:

Options :

1. ✖ 50 N

2. ✔ 50 J

3. ✖ -50 N

4. ✖ -50 J

Question Number : 61 Question Id : 6789131961 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A porter lifts a luggage of 12 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 = 10ms^{-2})

Options :

1. ✖ 155 J

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2. ✖ 150 J

3. ✖ 140 J

4. ✔ 180 J

Question Number : 62 Question Id : 6789131962 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

An object of mass 12 kg is at a certain height above the ground. If the potential energy of the object is 600J, find the height at which the object is with respect to the ground. Given g=10ms^{-2}

Options :

1. ✔ 5m

2. ✖ -5m

3. ✖ 5ms^{2}

4. ✖ 5ms^{-2}

Question Number : 63 Question Id : 6789131963 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Sound generated by a single frequency is called_____.

Options :

1. ✖ pitch

2. ✔ tone

3. ✖ amplitude

4. ✖ wavelength

Question Number : 64 Question Id : 6789131964 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A body travelling with a speed of more than the velocity of sound in air is said to be _____.

Options :

1. ✔ Supersonic

2. ✖ Hypersonic

3. ✖ Ultrasonic

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4. ✖ Infrasonic

Question Number : 65 Question Id : 6789131965 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Ohm is the SI unit of _____.

Options :

1. ✖ electric current

2. ✖ potential difference

3. ✖ electric charge

4. ✔ resistance

Question Number : 66 Question Id : 6789131966 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The resistivity of a conductor depends on:

Options :

1. ✔ Material

2. ✖ Length

3. ✖ Area of cross section

4. ✖ All of the given options

Question Number : 67 Question Id : 6789131967 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What is the process by which a gas is converted into a solid?

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

Options :

1. Sublimation

2. Condensation

3. Vaporisation

4. Freezing

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Question Number : 68 Question Id : 6789131968 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Dalton's theory was based on the laws of:

Options :

1. ✖ Constant proportion

2. ✖ Conservation of mass

3. ✔ Chemical combination

4. ✖ Conservation of momentum

Question Number : 69 Question Id : 6789131969 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?

A. CO_2 is known as dry ice.

B. The particles of liquid absorb energy from the surrounding to regain the energy lost during evaporation.

C. Solid CO_2 gets converted directly to gaseous state.

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

Options :

1. A and C are true, B is false

2. A and C are false, B is true

3. All are true

4. All are false

Question Number : 70 Question Id : 6789131970 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The chemical formula of ferrous sulphate crystal is _____

Options :

1. ✔ $FeSO_4 7H_2O$

2. ✖ $FeSO_4 6H_2O$

3. ✖ $FeSO_4 5H_2O$

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4. ✖ $FeSO_4 4H_2O$

Question Number : 71 Question Id : 6789131971 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following reaction is a precipitation reaction?

Options :

1. ✖ Lead + Copper chloride →Lead chloride + Copper

2. ✔ Sodium sulphate + Barium chloride →Barium sulphate + Sodium chloride

3. ✖ Calcium carbonate → Calcium oxide + Carbon dioxide

4. ✖ Methane + Oxygen → Carbon dioxide + Water

Question Number : 72 Question Id : 6789131972 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

How many hydrogen atoms are present in one molecule of ethanol?

Options :

1. ✖ Four

2. ✖ Five

3. ✔ Six

4. ✖ Seven

Question Number : 73 Question Id : 6789131973 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Unsaturated hydrocarbons add hydrogen in the presence of catalysts such as:

Options :

1. ✖ Nickel and Cadmium

2. ✔ Nickel and Palladium

3. ✖ Nickel and Hydrogen

4. ✖ Palladium and Radium

Question Number : 74 Question Id : 6789131974 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In Mendeleev's periodic table, table _____ appeared before Nickel.

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Options :

1. ✖ Rb

2. ✖ Sr

3. ✔ Co

4. ✖ Mo

Question Number : 75 Question Id : 6789131975 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following inert gases is placed in period 5?

Options :

1. ✖ Ne

2. ✖ Ar

3. ✔ Xe

4. ✖ Rn

Question Number : 76 Question Id : 6789131976 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Areolar tissue fills the spaces _____ the organ, supports the _____ organs and repairs tissues.

Options :

1. ✖ outside; internal

2. ✖ inside; external

3. ✔ inside; internal

4. ✖ outside; external

Question Number : 77 Question Id : 6789131977 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The plants in _____ group are commonly called algae.

Options :

1. ✖ Pteridophyta

2. ✖ Gymnosperm

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3. ✖ Bryophyta

4. ✔ Thallophyta

Question Number : 78 Question Id : 6789131978 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 low pressure, with jerk and faster in them.

2. ✖ It forms about 7-8% of the body weight.

3. ✖ Blood is commonly called river of life.

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

Question Number : 79 Question Id : 6789131979 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which process of fusion of sperm and ova results in the formation of a single structure called zygote?

Options :

1. ✖ Fragmentation

2. ✖ Tissue culture

3. ✖ Sexual reproduction

4. ✔ Fertilisation

Question Number : 80 Question Id : 6789131980 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

_____ give evidences of evolutionary relationships.

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

Options :

1. Rocks

2. Ocean beds

3. Fossils

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4. River beds

Question Number : 81 Question Id : 6789131981 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who hosted recently concluded ASIA CUP Men's Cricket tournament?

Options :

1. ✖ China

2. ✔ UAE

3. ✖ Nepal

4. ✖ Bangladesh

Question Number : 82 Question Id : 6789131982 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who has won the Padma Sri Award 2018 in the field of Sports (Swimming)?

Options :

1. ✖ Sandeep Sejwal

2. ✔ Murlikant Petkar

3. ✖ Sajan Prakash

4. ✖ Shikha Tandon

Question Number : 83 Question Id : 6789131983 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 S.V. Sunil related?

Options :

1. ✖ Cricket

2. ✔ Hockey

3. ✖ Badminton

4. ✖ Table tennis

Question Number : 84 Question Id : 6789131984 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The Saraswati Samman Award 2016 was bestowed upon:

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Options :

1. ✖ A.A. Manavalan

2. ✖ Sugathakumari

3. ✖ Padma Sachdev

4. ✔ Mahabaleshwar Sail

Question Number : 85 Question Id : 6789131985 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who among the following won the 53rd Jnanpith Award for the year 2017?

Options :

1. ✖ Kedarnath Singh

2. ✖ Pratibha Ray

3. ✔ Krishna Sobti

4. ✖ Amar Kant

Question Number : 86 Question Id : 6789131986 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

'Nuakhai', a social festival belongs to which state of India?

Options :

1. ✖ Tamilnadu

2. ✔ Odisha

3. ✖ Assam

4. ✖ Karnataka

Question Number : 87 Question Id : 6789131987 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

As of 1st March 2018, who among the following is India's Permanent Representative to the United Nations?

Options :

1. ✖ Nirupama Menon Rao

2. ✔ Rajiv Kumar Chander

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3. ✖ Nirupam Sen

4. ✖ Hardeep Singh

Question Number : 88 Question Id : 6789131988 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who discovered the theory of nuclear forces?

Options :

1. ✔ Hideki Hukawa

2. ✖ S. N. Bose

3. ✖ J. J. Thomson

4. ✖ J.C.Bose

Question Number : 89 Question Id : 6789131989 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Identify the avid mountaineer who, in May 2017, became the first woman in the world to scale Mount Everest twice in a season. She also holds the record of fastest double ascent by a woman to the world's highest peak?

Options :

1. ✖ Arunima Sinha

2. ✖ Premlata Agrawal

3. ✔ Anshu Jamsenpa

4. ✖ Malavath Purna

Question Number : 90 Question Id : 6789131990 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who among the following is the Minister of External Affairs?

Options :

1. ✖ Salman Khurshid

2. ✖ SM Krishna

3. ✔ Sushma Swaraj

4. ✖ Manmohan Singh

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Question Number : 91 Question Id : 6789131991 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Name the service launched by the Central Government which will be available across the Common Service Centre (CSC) network and connect citizens to legal service providers with the help of technology-enabled platforms.

Options :

1. ✔ 'Tele-Law'

2. ✖ 'Retro-Fitment'

3. ✖ 'Madadgar'

4. ✖ 'Digi Yatra'

Question Number : 92 Question Id : 6789131992 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who took Oath on 23rd January, 2018 as the Governor of Madhya Pradesh?

Options :

1. ✖ Om Prakash Kohli

2. ✔ Anandiben Patel

3. ✖ Ram Naresh Yadav

4. ✖ Kumud Ben Joshi

Question Number : 93 Question Id : 6789131993 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which two words were added to the Preamble of the Indian Constitution by the 42nd Amendment, in 1976?

Options :

1. ✖ Secular, Fraternity

2. ✔ Socialist, Secular

3. ✖ Democratic, Republic

4. ✖ Justice, Liberty

Question Number : 94 Question Id : 6789131994 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who among the following was called the 'Iron Chancellor'?

Options :

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1. ✖ Napoleon Bonaparte

2. ✔ Otto von Bismarck

3. ✖ Adolf Hitler

4. ✖ Genghis Khan

Question Number : 95 Question Id : 6789131995 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Babur made his first raid into India in _____.

Options :

1. ✔ 1519

2. ✖ 1521

3. ✖ 1544

4. ✖ 1535

Question Number : 96 Question Id : 6789131996 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In which of the following oceans is the Republic of Seychelles located?

Options :

1. ✔ Indian Ocean

2. ✖ Atlantic Ocean

3. ✖ Pacific Ocean

4. ✖ Arctic Ocean

Question Number : 97 Question Id : 6789131997 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The Gulf of Bothnia is situated between two countries. One of them is Finland. Which is the other country?

Options :

1. ✖ Denmark

2. ✔ Sweden

3. ✖ Norway

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4. ✖ Russia

Question Number : 98 Question Id : 6789131998 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In August 2018, Hindalco's wholly owned subsidiary Novelis Inc. announced the acquisition of a global aluminum rolled products company that is headquartered in the US. Name the acquired company.

Options :

1. ✖ Alcoa Corporation

2. ✔ Aleris Corporation

3. ✖ Century Aluminum

4. ✖ U.S. Foil Company

Question Number : 99 Question Id : 6789131999 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What is the chemical name of Chinese salt that we use in preparing Chinese cuisine?

Options :

1. ✖ Calcium carbonate

2. ✔ Monosodium glutamate

3. ✖ Sodium benzoate

4. ✖ Calcium hypochlorite

Question Number : 100 Question Id : 6789132000 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The Indian Space Research Organisation (ISRO) created the world's third-largest hypersonic wind tunnel in:

Options :

1. ✔ Thiruvananthapuram

2. ✖ Jaisalmer

3. ✖ Gokarna

4. ✖ Ahmedabad