Career Railways

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 8th Oct 2018 Shift2
Subject Name:	Level 1
Duration:	90
Total Marks:	100
Display Marks:	No
Share Answer Key With Delivery Engine:	Yes
Actual Answer Key:	Yes
Calculator:	None
Magnifying Glass Required?:	No
Ruler Required?:	No
Eraser Required?:	No
Scratch Pad Required?:	No
Rough Sketch/Notepad Required?:	No
Protractor Required?:	No
Show Watermark on Console?:	No
Highlighter:	No
Auto Save on Console?:	No

Display Number Panel:	Yes
Group All Questions:	No

Question Number : 1 Question Id : 6789132201 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following numbers is irrational?

Options :

1. ✖ $\sqrt{1000000}$

2. ✖ $\sqrt[3]{1000000}$

3. ✔ $\sqrt[4]{1000000}$

4. ✖ $\sqrt[6]{1000000}$

Question Number : 2 Question Id : 6789132202 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What is the HCF of two prime numbers x and y?

Options :

1. ✖ 0

2. ✔ 1

3. ✖ 2

4. ✖ $\frac{x}{y}$

Question Number : 3 Question Id : 6789132203 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Two numbers differ by 2. The difference of squares of both is 100. The sum of the numbers is:

Options :

1. ✖ 40

2. ✔ 50

3. ✖ 38

4. ✖ 48

Question Number : 4 Question Id : 6789132204 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Evaluate the below expression.

$21 + [5\ of\ \{15 + (18 - 17)\}]$

Options :

1. ✖ 102

2. ✖ 99

3. ✖ 100

4. ✔ 101

Question Number : 5 Question Id : 6789132205 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If $31 \times 23 = 713$, then what is the value of 3100×0.00023?

Options :

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1. ✖ 71.3

2. ✔ 0.713

3. ✖ 7.13

4. ✖ 0.0713

Question Number : 6 Question Id : 6789132206 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If $49 \times 17 = 833$, then the value of $0.0833 \div 4.9$ is:

Options :

1. ✖ 0.17

2. ✖ 1.7

3. ✔ 0.017

4. ✖ 0.0017

Question Number : 7 Question Id : 6789132207 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What will be 0.008594, correct to three significant figures, be equal to?

Options :

1. ✔ 0.00859

2. ✖ 0.008

3. ✖ 0.009

4. ✖ 0.00860

Question Number : 8 Question Id : 6789132208 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A pearl set broke, with an eighth of the pearls falling onto the floor, a fourth going under a chair, two-fifths staying on the sofa and eighteen pieces staying on the strand. How many pearls fell on the floor?

Options :

1. ✖ 12

2. ✔ 10

3. ✖ 9

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4. ✖ 8

Question Number : 9 Question Id : 6789132209 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 3:4. If 3 is added to each of them, the ratio between them becomes 10:13. The original numbers are:

Options :

1. ✖ 20,25

2. ✖ 12,16

3. ✖ 9,12

4. ✔ 27,36

Question Number : 10 Question Id : 6789132210 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A vendor buys pencils at ₹ 25 per dozen and sells them at a rate of 5 pencils for ₹ 12 .Find his gain or loss percent?

Options :

1. ✖ 15% loss

2. ✖ 15% gain

3. ✖ 15.2% loss

4. ✔ 15.2% gain

Question Number : 11 Question Id : 6789132211 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The difference between the selling prices of a chair at profits 10% and 14% is ₹ 27. What is the cost price of the chair?

Options :

1. ✖ ₹ 440

2. ✖ ₹ 880

3. ✔ ₹ 675

4. ✖ ₹ 586

Question Number : 12 Question Id : 6789132212 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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The difference between the C.I compounded annually and S.I on a certain sum for 2 years at 15% per annum is ₹ 180. Find the sum.

Options :

1. ✖ ₹ 6000

2. ✔ ₹ 8000

3. ✖ ₹ 7000

4. ✖ ₹ 9000

Question Number : 13 Question Id : 6789132213 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

18 people could complete a task in 12 days. After 4 days of work, 2 of the workers left. How many days from the time the worker left will it take to complete the task now?

Options :

1. ✖ 8

2. ✖ 6

3. ✖ 10

4. ✔ 9

Question Number : 14 Question Id : 6789132214 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

15 experts can do as much work as 25 trainees in a given period of time. A piece of work is to be done by 8 experts and 15 trainees. How many trainees alongside 11 experts would one need to complete a similar work in the same duration of time?

Options :

1. ✖ 9

2. ✔ 10

3. ✖ 11

4. ✖ 12

Question Number : 15 Question Id : 6789132215 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A person driving at a speed of 42 km/h reaches office 1 minute early, whereas if driving at a speed of 36 km/h, the person reaches office 3 minutes late. What is the distance (in km) that the person is covering?

Options :

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1. ✖ 12.9

2. ✔ 16.8

3. ✖ 15.4

4. ✖ 18.2

Question Number : 16 Question Id : 6789132216 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

You want to decorate your house with 300 light bulbs of four selected colours. You already have 32 red, 26 green and 9 yellow bulbs. You have no blue bulbs. Each bulb costs ₹ 15 and you get 20% discount if you purchase 50 or more bulbs of the same colour and 30% discount when you purchase 70 or more bulbs of one colour. How much would you spend if you decorated your house with an equal number of bulbs of each colour?

Options :

1. ✖ ₹ 2680.50

2. ✖ ₹ 2780

3. ✔ ₹ 2959.50

4. ✖ ₹ 2970

Question Number : 17 Question Id : 6789132217 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Two cubes each of volume 343 cu.cm are joined end to end. The total surface area of the resulting cuboid is:

Options :

1. ✖ 436 sq cm

2. ✔ 490 sq cm

3. ✖ 346 sq cm

4. ✖ 466 sq cm

Question Number : 18 Question Id : 6789132218 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Taps A and B can fill a tank in 2 and 8 hours, respectively. Tap C can empty the filled tank in 4 hours. If all the three taps are turned on simultaneously, how much time will it take to fill the tank completely?

Options :

1. ✖ $\frac{3}{8}$ hours

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2. ✔ $\frac{8}{3}$ hours

3. ✖ 3 hours

4. ✖ $\frac{9}{2}$ hours

Question Number : 19 Question Id : 6789132219 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A tank has two inlets which can fill it in 6 hours and 8 hours, respectively. An outlet can empty the full tank in 10 hours. If all three pipes are opened together in an empty tank how much time will they take to fill the tank completely?

Options :

1. ✔ $5\frac{5}{23}$ hours

2. ✖ $5\frac{5}{46}$ hours

3. ✖ $6\frac{5}{23}$ hours

4. ✖ $6\frac{5}{46}$ hours

Question Number : 20 Question Id : 6789132220 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In the centre of a square room with sides 10 m, there is a square of turkey carpet and the rest of the floor is covered with oil cloth. The carpet and the oil cloth cost ₹ 15 and ₹ 6.50 respectively per square meter and the total cost of the carpet and the oil cloth is `1,338.50. What is the width of the Oil cloth border?

Options :

1. ✖ 1 metre

2. ✖ 2 metre

3. ✔ $\frac{1}{2}$ metre

4. ✖ 5 metre

Question Number : 21 Question Id : 6789132221 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

From the top of a 150 m tall building A, the angle of elevation to the top of the building B is 45 degrees and the angle of depression to the bottom of the building B is 30 degrees. What is the height of the building B?

Options :

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1. ✖ $150\sqrt{3}$ m

2. ✔ $150\,(1 + \sqrt{3})$ m

3. ✖ $\frac{450}{\sqrt{3}m}$

4. ✖ $250\,m$

Question Number : 22 Question Id : 6789132222 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The number of diagonals in a 19-gon is:

Options :

1. ✖ 76

2. ✖ 304

3. ✔ 152

4. ✖ 114

Question Number : 23 Question Id : 6789132223 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If the roots of the quadratic equation $x^2 + kx + 9$ are equal. Then find the maximum value of K?

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

Options :

1. 81

2. $\frac{1}{81}$

3. ± 6

4. ± 8

Question Number : 24 Question Id : 6789132224 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If $(\tan \emptyset + \cot \emptyset) = 5$ then find the value of $(\tan^2 \emptyset + \cot^2 \emptyset)$.

Options :

1. ✔ 23

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2. ✖ 25

3. ✖ 21

4. ✖ 27

Question Number : 25 Question Id : 6789132225 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If $2x^2 + ax + b$ when divided by $x - 3$ leaves a remainder of 35, and $2x^2 + bx + a$ when divided by $x - 3$ leaves a remainder of 29, then what is the value of $a + b$?

Options :

1. ✖ -7

2. ✔ 7

3. ✖ 23

4. ✖ -23

Question Number : 26 Question Id : 6789132226 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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

Players : Team :: Ministers : ?

Options :

1. ✖ Chest

2. ✖ Colony

3. ✖ Mob

4. ✔ Council

Question Number : 27 Question Id : 6789132227 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the word that does NOT belong to the group.

Blanket, Sheet, Pillow, Cot.

Options :

1. ✖ Blanket

2. ✔ Cot

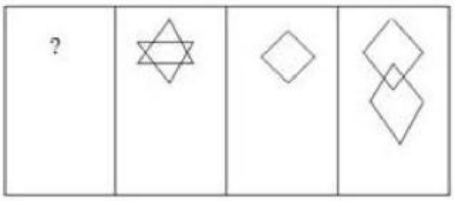
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3. ✖ Pillow

4. ✖ Sheet

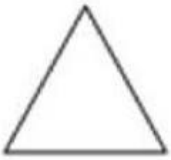
Question Number : 28 Question Id : 6789132228 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the similar pair:

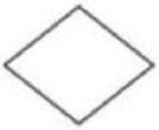


Options :

1. ✖ 

2. ✔ 

3. ✖ 

4. ✖ 

Question Number : 29 Question Id : 6789132229 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. Some tables are wood.

I. Some wood are brown.

Conclusions:

1. Some brown are tables.

1. Some woods are tables.

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 : 6789132230 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.

Embroidery: Beautiful :: Moon light : ?

Options :

1. ✖ Day

2. ✔ Cool

3. ✖ Dense

4. ✖ Dark

Question Number : 31 Question Id : 6789132231 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the two conclusions can be concluded on the basis of given statements? Career Railways

Statement:

All Parrots are camels. All camels are wolves.

Conclusions:

1. Some parrots are NOT wolves

2. Some wolves are parrots

Options :

1. ✖ Only (1) follows

2. ✖ Either (1) or (2) follows

3. ✔ Only (2) follows

4. ✖ Neither (1) nor (2) follows

Question Number : 32 Question Id : 6789132232 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Read the given statement and course of action carefully and select which action logically follow(s) for the statement.

Statement:

Footpath of few famous tourist places are filled with beggars

Course of action:

1. With the help of police these beggars should be driven away.
2. The government should consider the beggars rehabilitation and improve their social status.

Options :

1. ✖ Only 1 follows

2. ✖ Only 2 follows

3. ✔ Both 1 and 2 follows

4. ✖ Neither 1 nor 2 follows

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Question Number : 33 Question Id : 6789132233 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 Bihar ban alcohol?

-

Argument:

1. Yes, government should not promote alcohol and consider the development of state.
2. No, government will lose large revenue from banning and banning cannot be implemented 100%.

Options :

1. ✔ Only argument 1 is strong

2. ✖ Only argument 2 is strong

3. ✖ Either argument 1or 2 is strong

4. ✖ Both argument 1and 2 is strong

Question Number : 34 Question Id : 6789132234 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Given below is a statement followed by two assumptions numbered I and II. You have to consider the statement and the following assumptions and decide which of the assumptions is implicit in the statement.

Statement: The healthiest cooking oil for the whole family .An advertisement states.

Assumptions:

I. There are other cooking oils available in the Market.

II. The health of the family is a priority for any individual.

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 : 6789132235 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:

A job advertisement states: "Suitable candidates with maximum age of 30 years can apply."

Conclusions:

I. No candidate who is more than 30 years old can apply

II. The company is specific about the age group of candidate

Options :

1. ✖ Only conclusion I follows

2. ✖ Only conclusion II follows

3. ✖ No conclusion follows

4. ✔ Both the conclusions follow

Question Number : 36 Question Id : 6789132236 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the next letter in the series:

JR, KS, LT , ?

Options :

1. ✖ UG

2. ✖ UK

3. ✖ MP

4. ✔ MU

Question Number : 37 Question Id : 6789132237 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the next number in the given series.

3, 6, 12, 24, 48, ?

Options :

1. ✔ 96

2. ✖ 100

3. ✖ 95

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4. ✖ 105

Question Number : 38 Question Id : 6789132238 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the missing term in the given series:

L-169, J-196, ?, F-256

Options :

1. ✔ H-225

2. ✖ S-101

3. ✖ F-140

4. ✖ T-92

Question Number : 39 Question Id : 6789132239 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Arjun takes 5 hrs to swim a downstream of 40km where as he takes only 2 hrs to swim upstream of 24km. Find the speed in still water.

Options :

1. ✔ 10kmph

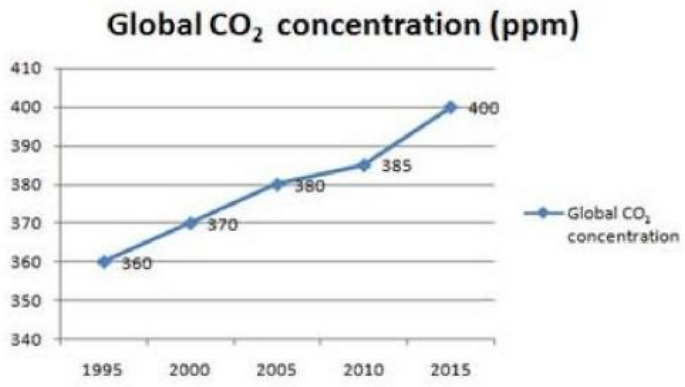
2. ✖ 12kmph

3. ✖ 9kmph

4. ✖ 15kmph

Question Number : 40 Question Id : 6789132240 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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Based on the given graph, which statement correctly describes the pattern?

Options :

1. ✖ There is no change in CO_2 concentration over the years.

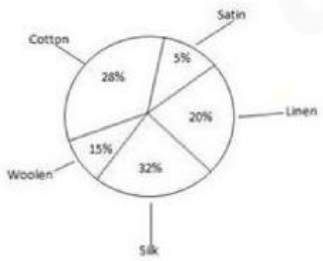
2. ✔ There is increase in CO_2 concentration over the years.

3. ✖ There is decrease in CO_2 concentration over the years.

4. ✖ The CO_2 concentration fluctuates over these years.

Question Number : 41 Question Id : 6789132241 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The following pie diagram shows information about different types of the cloth material produced in company XYZ in 2015



If the total fabric produced is 1, 50, 000 tons in the year 2015,

how much fabric of satin (in tons) was produced in 2015?

Options :

1. ✔ 7500

2. ✖ 15000

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3. ✖ 30,000

4. ✖ 60,000

Question Number : 42 Question Id : 6789132242 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 daughters does Z have?

-

Statements:

1. X and Y are only daughters of U.
2. V is brother of X and son of Z.

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 : 6789132243 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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Sundar earns by conducting coaching classes. 10% of his income goes into varied costs involved in running his classes. Below is the table showing his 5-year income (in lakh)

Year	Sundar's yearly income in (lakh) ₹
2012	2.5
2013	3
2014	3
2015	2.5
2016	4

On an average, how much does Sundar spend in a year as varied cost in maintaining his classes?

Options :

1. ✖ ₹ 40,000

2. ✖ ₹ 25000

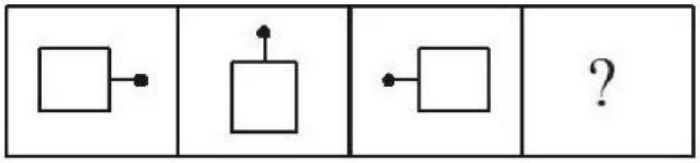
3. ✔ ₹ 30,000

4. ✖ ₹ 20,000

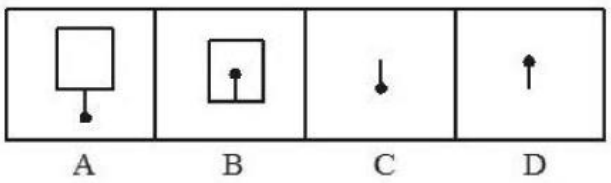
Question Number : 44 Question Id : 6789132244 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Pick the figure that will complete the given series.

Problem figures



Answer figures



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Options :

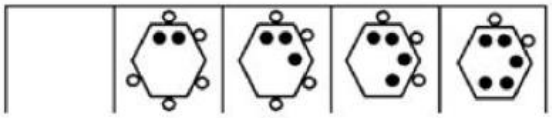
1. ✔ A

2. ✖ B

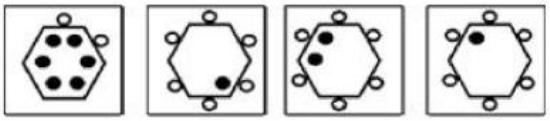
3. ✖ C

4. ✖ D

Question Number : 45 Question Id : 6789132245 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical



The missing figure in the above sequence is



A B C D

Options :

1. ✖ A

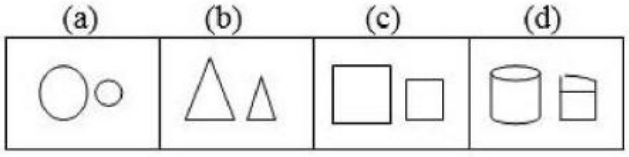
2. ✖ B

3. ✖ C

4. ✔ D

Question Number : 46 Question Id : 6789132246 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

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2. ✖ b

3. ✖ c

4. ✔ d

Question Number : 47 Question Id : 6789132247 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the odd one out.



Options :

1. ✖ A

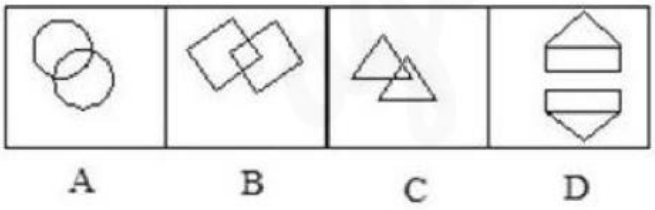
2. ✖ B

3. ✔ C

4. ✖ D

Question Number : 48 Question Id : 6789132248 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the odd one out:



Options :

1. ✖ A

2. ✖ B

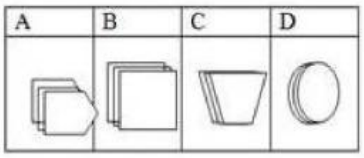
3. ✖ C

4. ✔ D

Question Number : 49 Question Id : 6789132249 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.



Options :

1. ✖ A

2. ✖ B

3. ✔ D

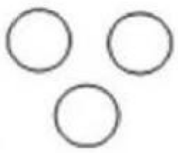
4. ✖ C

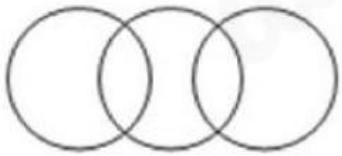
Question Number : 50 Question Id : 6789132250 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Choose the best suitable Venn diagram for the following words:

"Flowers, Fruits, Leaves"

Options :

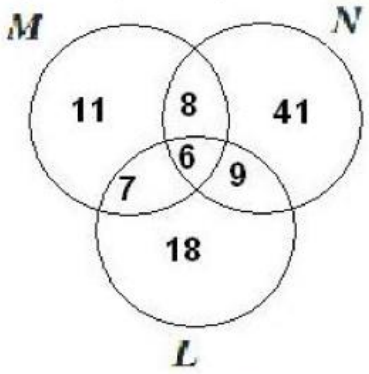
1. ✔ 

2. ✖ 

3. ✖ 

4. ✖ 

Question Number : 51 Question Id : 6789132251 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 N & L but not M game is:

Options :

1. ✔ 9

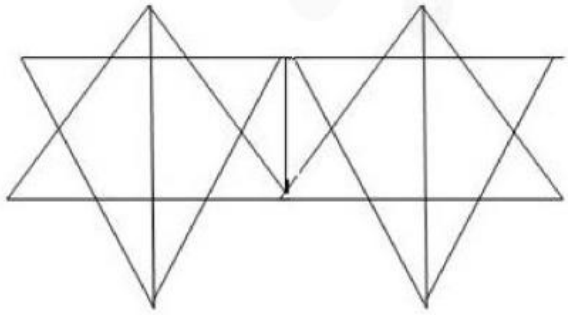
2. ✖ 15

3. ✖ 68

4. ✖ 12

Question Number : 52 Question Id : 6789132252 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

How many triangles are there in the following figure?



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

Options :

1. 30

2. 40

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3. 38

4. 29

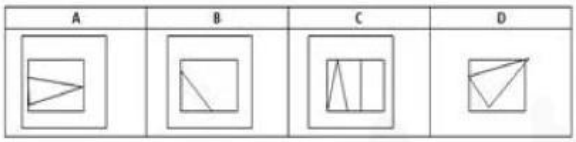
Question Number : 53 Question Id : 6789132253 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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

Problem figure:



Answer figures:



Options :

1. ✔ A

2. ✖ B

3. ✖ C

4. ✖ D

Question Number : 54 Question Id : 6789132254 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Sunder and Prakash are playing carrom. If Prakash faces south-east direction, then his opponent Sunder is facing which direction?

Options :

1. ✖ North-east

2. ✔ North-west

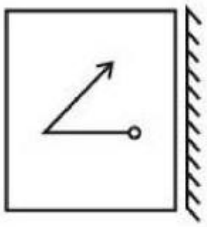
3. ✖ South-east

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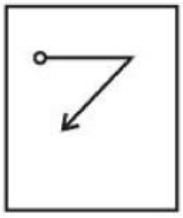
4. ✖ South-west

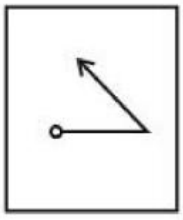
Question Number : 55 Question Id : 6789132255 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

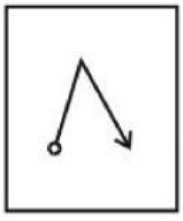
Choose the mirror image for the following figure

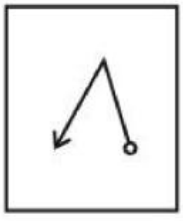


Options :

1. ✖ 

2. ✔ 

3. ✖ 

4. ✖ 

Question Number : 56 Question Id : 6789132256 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A bullet, of mass 40 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 :

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1. ✖ $-1.5\ ms^{-1}$

2. ✖ $-3.0\ ms^{-1}$

3. ✔ $-2.0\ ms^{-1}$

4. ✖ $-1.25\ ms^{-1}$

Question Number : 57 Question Id : 6789132257 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The value of 'g' decreases with _____.

Options :

1. ✖ mass

2. ✖ weight

3. ✖ amplitude

4. ✔ altitude

Question Number : 58 Question Id : 6789132258 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The value of acceleration due to gravity does not depend upon:

Options :

1. ✖ Constant of gravitation 'G'

2. ✖ Mass of the earth 'M'

3. ✔ Mass of the falling object 'm'

4. ✖ Radius of the earth 'R'

Question Number : 59 Question Id : 6789132259 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 72 kmh^{-1} in 10 s. Calculate the acceleration of the car.

Options :

1. ✖ 15 ms^{-2}

2. ✔ 1.5 ms^{-2}

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3. ✖ $15\ ms^{-1}$

4. ✖ $1.5\ ms^{2}$

Question Number : 60 Question Id : 6789132260 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following does NOT possess kinetic energy?

Options :

1. ✖ A falling coconut

2. ✖ A speeding car

3. ✖ A rolling stone

4. ✔ A raised hammer

Question Number : 61 Question Id : 6789132261 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

An object of mass 15 kg is moving with a uniform velocity of 5 ms^{-1}. What is the kinetic energy possessed by the object?

Options :

1. ✔ 187.5 J

2. ✖ 187.5 ms

3. ✖ 17.5 J

4. ✖ 180.5 J

Question Number : 62 Question Id : 6789132262 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If the work done is zero, then the angle between the force and displacement is:

Options :

1. ✖ 180^0

2. ✔ 90^0

3. ✖ 45^0

4. ✖ 0^0

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Question Number : 63 Question Id : 6789132263 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Calculate the wavelength of a soundwave where frequency is 200 Hz and speed is $400ms^{-1}$ in a given medium.

Options :

1. ✖ 0.2 m

2. ✔ 2 m

3. ✖ 20 m

4. ✖ 0.5 m

Question Number : 64 Question Id : 6789132264 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A frequency of _____ is not audible to human beings.

Options :

1. ✖ 100 Hz

2. ✖ 18000 Hz

3. ✖ 20000 Hz

4. ✔ 22000 Hz

Question Number : 65 Question Id : 6789132265 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

_____ instrument is used to measure potential difference

Options :

1. ✖ Ammeter

2. ✔ Voltmeter

3. ✖ Potentiometer

4. ✖ Galvanometer

Question Number : 66 Question Id : 6789132266 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If the resistance is halved the current gets _____.

Options :

1. ✖ halved

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2. ✖ remains same

3. ✔ doubled

4. ✖ tripled

Question Number : 67 Question Id : 6789132267 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

_____ is NOT a compound.

Options :

1. ✖ Sulphur dioxide

2. ✖ Chalk

3. ✔ Lead

4. ✖ Hydrogen sulfide

Question Number : 68 Question Id : 6789132268 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The melting point of ice is:

Options :

1. ✔ 273 K

2. ✖ 273 C

3. ✖ -273 C

4. ✖ -273 K

Question Number : 69 Question Id : 6789132269 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. Rigidity: It is the property of matter to maintain its shape even if external forces work on it and solids show this property.

B. Fluidity: It is the property of a substance to easily flow and allow change in its shape under external forces and this property is exhibited both by liquids and gasses.

Options :

1. ✖ Only A is true

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2. ✖ Only B is true

3. ✔ A and B are both true

4. ✖ A and B are both false

Question Number : 70 Question Id : 6789132270 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following is a physical change?

Options :

1. ✖ Milk is set into curd

2. ✖ Grapes get fermented

3. ✖ Ripening of fruits

4. ✔ Melting of ice

Question Number : 71 Question Id : 6789132271 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

While white washing, $Ca(OH)_2$ reacts slowly with CO_2 in air to form a thin layer of _____ on the walls .

Options :

1. ✖ $CaCl_2$

2. ✔ $CaCO_3$

3. ✖ CaO

4. ✖ $CaSO_4$

Question Number : 72 Question Id : 6789132272 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In_____, each carbon atom is bonded to four other carbon atoms forming a rigid three dimensional structure.

Options :

1. ✖ graphite

2. ✔ diamond

3. ✖ methane

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4. ✖ ethane

Question Number : 73 Question Id : 6789132273 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In_____ , carbon atoms are arranged in the shape of a football.

Options :

1. ✖ Methane

2. ✖ Benzene

3. ✔ Fullerenes

4. ✖ Ethane

Question Number : 74 Question Id : 6789132274 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Atomic numbers of Actinoides are from _____.

Options :

1. ✖ 57-70

2. ✖ 58-71

3. ✖ 89-102

4. ✔ 90-103

Question Number : 75 Question Id : 6789132275 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

____ is the only non-metal placed with alkali metals.

Options :

1. ✖ Rubidium

2. ✖ Caesium

3. ✖ Francium

4. ✔ Hydrogen

Question Number : 76 Question Id : 6789132276 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Pinna is the external part of __ .

Options :

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1. ✖ eyes

2. ✖ fingers

3. ✖ nose

4. ✔ ears

Question Number : 77 Question Id : 6789132277 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Plants that do NOT have a well-differentiated body design fall in the _____ group.

Options :

1. ✖ Pteridophyta

2. ✖ Bryophyta

3. ✔ Thallophyta

4. ✖ Gymnosperma

Question Number : 78 Question Id : 6789132278 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Birds have:

Options :

1. ✖ three-chambered heart

2. ✖ two-chambered heart

3. ✔ four-chambered heart

4. ✖ one-chambered heart

Question Number : 79 Question Id : 6789132279 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In some females, due to some problem, fertilisation cannot take place. In such cases, freshly released egg and sperms are kept together for few hours for fertilisation to occur outside the body. This is called:

Options :

1. ✖ Vegetative reproduction

2. ✖ Regeneration

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3. ✖ Fertilisation

4. ✔ In vitro fertilisation

Question Number : 80 Question Id : 6789132280 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The _____ character is recessive in garden pea plants.

Options :

1. ✖ green pod

2. ✔ wrinkled seed

3. ✖ round seed

4. ✖ yellow seed

Question Number : 81 Question Id : 6789132281 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who was included in Badminton association of India's coach panel in 2017?

Options :

1. ✔ Jwala Gutta

2. ✖ Saina Nehwal

3. ✖ PV Sindhu

4. ✖ KM Anisha

Question Number : 82 Question Id : 6789132282 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which award is bestowed upon coaches for producing medal winners at prestigious international sport events?

Options :

1. ✔ Dronacharya Award

2. ✖ Rajiv Gandhi Khel Ratna Award

3. ✖ Dhyan Chand Award

4. ✖ Arjuna Award

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Question Number : 83 Question Id : 6789132283 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following sport is Anagha Deshpande related to?

Options :

1. ✖ Athletics

2. ✔ Cricket

3. ✖ Archery

4. ✖ Table Tennis

Question Number : 84 Question Id : 6789132284 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Name the city which was recently included in the United Nations Educational, Scientific and Cultural Organization's (UNESCO's) Creative Cities Network for Contribution in Music.

Options :

1. ✖ Mumbai

2. ✖ Kolkata

3. ✔ Chennai

4. ✖ Bengaluru

Question Number : 85 Question Id : 6789132285 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The author of the book 'Ace against Odds" is:

Options :

1. ✖ Leander Paes

2. ✔ Sania Mirza

3. ✖ Rohan Bopanna

4. ✖ Yuki Bhambri

Question Number : 86 Question Id : 6789132286 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who among the following has compiled 'Raghuvamsham'?

Options :

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1. ✖ Kabirdas

2. ✖ Tulsidas

3. ✔ Kalidas

4. ✖ Surdas

Question Number : 87 Question Id : 6789132287 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Name the late Kannada journalist who was awarded the prestigious Reach All Women in WAR (RAW in WAR) Anna Politkovskaya Award on 7th October 2017.

Options :

1. ✔ Gauri Lankesh

2. ✖ Sucheta Dalal

3. ✖ Malini Parthasarathy

4. ✖ Kusum Nair

Question Number : 88 Question Id : 6789132288 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

As of September 2018, who is the Director General of Doordarshan?

Options :

1. ✖ Deepa Chandra

2. ✖ Deepak Ashish Kaul

3. ✔ Supriya Sahu

4. ✖ PK Subhash

Question Number : 89 Question Id : 6789132289 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who became the Chief Justice of the Madras High Court in March 2017?

Options :

1. ✖ Chief Justice Askok Kumar Ganguly

2. ✖ Chief Justice Sanjay Kaul

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3. ✔ Chief Justice Indira Banerjee

4. ✖ Chief Justice Rajesh Kumar Agarwal

Question Number : 90 Question Id : 6789132290 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The Union Ministry of Personnel, Public Grievances and Pensions launched the electronic-Human Resource Management System (e-HRMS) on the occasion of_____on 25th December.

Options :

1. ✔ Good Governance Day

2. ✖ Good Conduct Day

3. ✖ Good Management Day

4. ✖ Good Behaviour Day

Question Number : 91 Question Id : 6789132291 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The maximum permissible strength of the Rajya Sabha is:

Options :

1. ✖ 225

2. ✔ 250

3. ✖ 260

4. ✖ 300

Question Number : 92 Question Id : 6789132292 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following union ministries launched 'Mission Fingerling' in March 2017 to achieve Blue Revolution?

Options :

1. ✖ Ministry of Defence

2. ✖ Ministry of Finance

3. ✖ Ministry of Home Affairs

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4. ✔ Ministry of Agriculture & Farmers' Welfare

Question Number : 93 Question Id : 6789132293 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who among the following is the current prime minister of China?

Options :

1. ✖ Xi Jinping

2. ✖ Hu Jintao

3. ✔ Le Keqiang

4. ✖ Wang Qishan

Question Number : 94 Question Id : 6789132294 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who is the author of 'Panchatantra'?

Options :

1. ✖ Kalidas

2. ✖ Valmiki

3. ✖ Sri Harsha

4. ✔ Vishnu Sharma

Question Number : 95 Question Id : 6789132295 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The foundation of Buddhism are the ____ noble truths and the _____-fold path.

Options :

1. ✖ two , eight

2. ✖ six , four

3. ✖ eight , six

4. ✔ four , eight

Question Number : 96 Question Id : 6789132296 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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Which of the following water bodies separates Australia from New Zealand?

Options :

1. ✖ Bering Sea

2. ✖ Baltic Sea

3. ✖ Red Sea

4. ✔ Tasman Sea

Question Number : 97 Question Id : 6789132297 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Where is the Yellowstone National Park situated?

Options :

1. ✔ United States

2. ✖ United Kingdom

3. ✖ South Africa

4. ✖ France

Question Number : 98 Question Id : 6789132298 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The Government of India has launched the Pradhan Mantri Krishi Sinchai Yojana (PMKSY) with an investment of _____,aiming at the development of irrigation sources for providing a permanent solution from drought.

Options :

1. ✖ ₹ 5,000 crore

2. ✔ ₹ 50,000 crore

3. ✖ ₹500,000 crore

4. ✖ ₹ 50,00,000 crore

Question Number : 99 Question Id : 6789132299 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which Indian city was ranked first in the 2018 Ease of Living Index prepared by the Ministry of Housing and Urban Affairs?

Options :

1. ✔ Pune

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2. ✖ Chennai

3. ✖ Navi Mumbai

4. ✖ Kochi

Question Number : 100 Question Id : 6789132300 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following is India's fastest and first multi-petaflops (PF) supercomputer unveiled at Pune-based Indian Institute of Tropical Meteorology (IITM)?

Options :

1. ✖ Poonam

2. ✖ Aditya

3. ✔ Pratyush

4. ✖ Surya

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