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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 14th Dec 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?:	Yes
Highlighter:	No
Auto Save on Console?:	No

Display Number Panel:	Yes
Group All Questions:	No

Question Number : 1 Question Id : 6789138201 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The LCM and the HCF of two numbers are 90 and 9 respectively and one of the numbers is 18. The other number is:

Options :

1. ✖ 36

2. ✖ 30

3. ✔ 45

4. ✖ 9

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Question Number : 2 Question Id : 6789138202 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The HCF of 195 and 273 is:

Options :

1. ✖ 3

2. ✖ 13

3. ✔ 39

4. ✖ 65

Question Number : 3 Question Id : 6789138203 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

$7364x$ is divisible by 11 if the value of x is:

Options :

1. ✖ 4

2. ✔ 5

3. ✖ 6

4. ✖ 7

Question Number : 4 Question Id : 6789138204 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Represent $x^3 + 3x^2 + 3x + 1$ in quadratic surd form.

Options :

1. ✖ $\sqrt{(x+1)^3}$

2. ✖ $(x+1)^{\frac{3}{2}}$

3. ✔ $\sqrt{(x+1)^6}$

4. ✖ $(x+1)^{\frac{2}{3}}$

Question Number : 5 Question Id : 6789138205 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The difference between the place values of the two 5s in 1452058 is:

Options :

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1. ✖ 51950

2. ✔ 49950

3. ✖ 49050

4. ✖ 0

Question Number : 6 Question Id : 6789138206 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

$54 \div 6 + 3 \times 3 = ?$

Options :

1. ✖ 5

2. ✖ 36

3. ✔ 18

4. ✖ 15

Question Number : 7 Question Id : 6789138207 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What is the smallest number that, when divided by 16, 24, 30 and 48, leaves a remainder 11 in each case?

Options :

1. ✖ 495

2. ✖ 465

3. ✔ 491

4. ✖ 499

Question Number : 8 Question Id : 6789138208 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What is the square root of 33489?

Options :

1. ✖ 163

2. ✖ 167

3. ✖ 179

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4. ✔ 183

Question Number : 9 Question Id : 6789138209 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The digit in the unit's place of the cube root of a number is same as the digit in the unit's place of the number itself. For how many different digits in the unit's place is this true?

Options :

1. ✖ 1

2. ✖ 2

3. ✖ 4

4. ✔ 6

Question Number : 10 Question Id : 6789138210 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If after selling an item for ₹ 4420, the shopkeeper makes a profit of 30%, then what is the cost price of the item?

Options :

1. ✖ ₹ 3,300

2. ✔ ₹ 3,400

3. ✖ ₹ 2,500

4. ✖ ₹ 3,600

Question Number : 11 Question Id : 6789138211 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

₹ 200 was invested for one year in a scheme that offered a simple interest @ 10% p.a. Another ₹ 200 was invested for one year in a scheme that offered an interest @ 10% p.a., but compounded half-yearly. How much more will the interest accrued under the second scheme be?

Options :

1. ✖ 25 paise

2. ✔ 50 paise

3. ✖ ₹ 1

4. ✖ No change

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Question Number : 12 Question Id : 6789138212 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The yearly depreciation of the value of a car is 10%. What will be the percentage decrease of the value of the car after 4 years?

Options :

1. ✖ 38.24

2. ✖ 32.56

3. ✔ 34.39

4. ✖ 40.12

Question Number : 13 Question Id : 6789138213 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A and B can complete a task in 36 days. However, A had to leave a few days before the task was completed and hence it took 54 days in all to complete the task. If A alone could complete the work in 48 days, how many days before the work getting over, did A leave?

Options :

1. ✖ 25

2. ✖ 30

3. ✔ 24

4. ✖ 28

Question Number : 14 Question Id : 6789138214 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Two trains, one 157 m long and the other 123 m long, coming from opposite directions crossed each other in 7.2 seconds. The combined speed of the two trains every hour would then be:

Options :

1. ✖ 280 km

2. ✔ 140 km

3. ✖ 70 km

4. ✖ 105 km

Question Number : 15 Question Id : 6789138215 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Sakira and Brian leave points x and y towards y and x respectively simultaneously and travel in the same route. After meeting each other on the way, Sakira takes 7.5 hours to reach her destination, while Brian takes 2.7 hours to reach his destination. How many hours after they began their journeys did they meet?

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Options :

1. ✖ 4.8

2. ✔ 4.5

3. ✖ 5.25

4. ✖ 6

Question Number : 16 Question Id : 6789138216 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

There are three pipes in a tank. Pipe X and Pipe Y are filling up the tank, and Pipe Z is emptying the tank. Pipe X alone can fill up the empty tank in 15 hours. Pipe Y alone can fill up the same empty tank in 12 hours. Pipe Z alone can empty the same completely filled tank in 20 hours. If all pipes are opened at the same time, how much time will it take them together to fill up the empty tank?

Options :

1. ✖ 6 hours

2. ✖ 8 hours

3. ✔ 10 hours

4. ✖ 12 hours

Question Number : 17 Question Id : 6789138217 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What is the smaller angle formed between the minute hand and the hour hand when a clock shows the time as 7 : 20?

Options :

1. ✖ 75°

2. ✔ 100°

3. ✖ 120°

4. ✖ 130°

Question Number : 18 Question Id : 6789138218 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The population of a small town is 12,000. If the rate of increase in population year on year is 15%, what will be the population of that town in two years?

Options :

1. ✖ 14,760

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2. ✔ 15,870

3. ✖ 15,620

4. ✖ 16,870

Question Number : 19 Question Id : 6789138219 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A hollow cylinder 42 cm in length has the external diameter as 16 cm and the internal diameter as 12 cm. If the cylinder material weighs 10 g/cm^3, what is the weight of the hollow cylinder? (Take $\pi = \frac{22}{7}$)

Options :

1. ✖ 36960 kg

2. ✖ 32.960 kg

3. ✔ 36.960 kg

4. ✖ 32960 kg

Question Number : 20 Question Id : 6789138220 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Two pipes can fill an empty tank in 1.8 hours and 3 hours respectively while a third one can drain the filled tank in x hours. An empty tank fills up completely in 2.25 hours if all the three pipes are simultaneously opened. Find the value of x.

Options :

1. ✖ 1.5

2. ✖ 2

3. ✔ 2.25

4. ✖ 2.5

Question Number : 21 Question Id : 6789138221 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

How many real zeros does the polynomial $x^3 - x^2 + 2$ have?

Options :

1. ✖ 3

2. ✖ 2

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3. ✔ 1

4. ✖ 0

Question Number : 22 Question Id : 6789138222 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following options is equal to:

$$\frac{(1+\tan^2\theta)\cot\theta}{\text{cosec}^2\theta}$$

Options :

1. ✖ $\sin\theta$

2. ✖ $\cos\theta$

3. ✔ $\tan\theta$

4. ✖ $\cot\theta$

Question Number : 23 Question Id : 6789138223 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

2. ✖ 35.5

3. ✖ 35

4. ✔ 34.5

Question Number : 24 Question Id : 6789138224 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

From the top of a platform 18-m-high, the angle of elevation of a tower was 30°. If the tower was 78 m high, how far from the tower was the platform positioned?

Options :

1. ✖ 60 m

2. ✖ $20\sqrt{3}$ m

3. ✖ $70\sqrt{3}$ m

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4. ✔ $60\sqrt{3}$ m

Question Number : 25 Question Id : 6789138225 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If two vertices of a triangle are $(-3, 1)$ and $(0, -2)$ and the centroid is the origin, then the third vertex is (α, β). What is the value of $(2\alpha - \beta)$?

Options :

1. ✖ 3

2. ✖ 4

3. ✔ 5

4. ✖ 6

Question Number : 26 Question Id : 6789138226 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Varun's only brother's father is Manoj. How is Varun related to Manoj?

Options :

1. ✖ Uncle

2. ✖ Brother

3. ✔ Son

4. ✖ Cousin

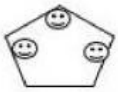
Question Number : 27 Question Id : 6789138227 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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Which of the patterns in the answer figures most closely resembles the given pattern?



Answer figures:

A	B	C	D
			

Options :

1. ✖ A

2. ✖ B

3. ✖ C

4. ✔ D

Question Number : 28 Question Id : 6789138228 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Consider the given statement to be true even if it seems to be at variance with the commonly known facts and decide which of the given conclusions logically follows from the statement.

Statement:
Boss humiliated Sachin in the presence of his colleagues.

Conclusions:
I. The boss did not like Sachin.
II. Sachin was not popular with his colleagues.

Options :

1. ✖ Only conclusion I follows.

2. ✖ Only conclusion II follows.

3. ✖ Either conclusion I or II follows.

4. ✔ Neither conclusion I nor II follows.

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Question Number : 29 Question Id : 6789138229 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Mr. X says to Ms. Y, "Your father's wife's sister is my aunt". Mr. X is Ms. Y's _____.

Options :

1. ✖ Father

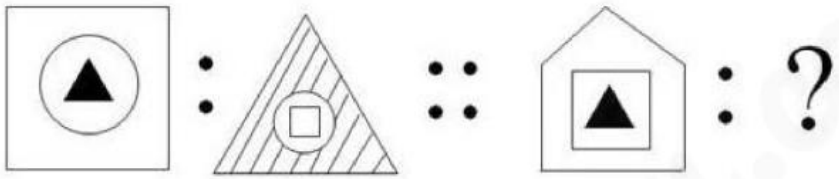
2. ✖ Brother-in-law

3. ✖ Son

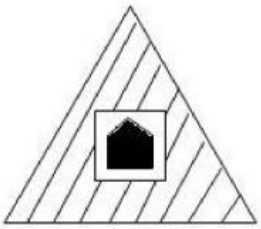
4. ✔ Cousin

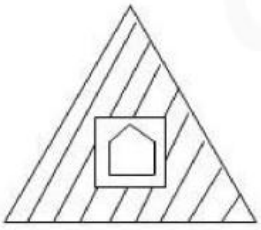
Question Number : 30 Question Id : 6789138230 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

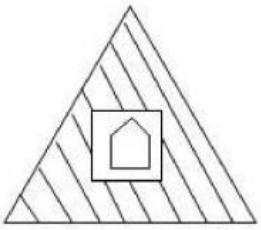
Find the figure that will replace the question mark in the following analogy.



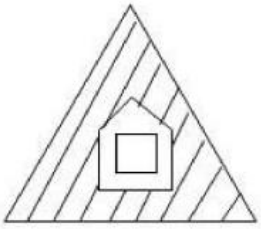
Options :

1. ✖ 

2. ✔ 

3. ✖ 

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4. ✖ 

Question Number : 31 Question Id : 6789138231 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Complete the following analogy.

ROAD : URDG :: LANE : ?

Options :

1. ✖ DOQH

2. ✖ OQDH

3. ✔ ODQH

4. ✖ ODHQ

Question Number : 32 Question Id : 6789138232 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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

Statement:

"The pedestrian crossing is few feet away, it is safe to use it," says a mother to her child.

Conclusions:

I. Pedestrians should use pedestrian crossing for safety.

II. All the children know what is pedestrian crossing.

Options :

1. ✔ Only conclusion I follows

2. ✖ Only conclusion II follows

3. ✖ Neither I nor II follows

4. ✖ Both I and II follow

Question Number : 33 Question Id : 6789138233 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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Consider the following statement and decide which of the assumptions is implicit from the statement.

Statement:
"Lose 5 kg of your weight in three sessions." – An advertisement by a weight loss institute.

Assumptions:
I. If you join the weight loss programme, in six sessions your weight will be reduced by 10 kg.
II. The institute deals with weight loss programmes.

Options :

1. ✖ Only assumption I is implicit

2. ✔ Only assumption II is implicit

3. ✖ Neither assumption I nor II is implicit

4. ✖ Either assumption I or II is implicit

Question Number : 34 Question Id : 6789138234 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Select the number that is related to the third number in the same way as the second number is related to the first number.

53 : 59 :: 61 : _____

Options :

1. ✖ 62

2. ✔ 67

3. ✖ 66

4. ✖ 58

Question Number : 35 Question Id : 6789138235 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Consider the following statement and decide which of the assumptions is implicit from the statement.

Statement:
Eating pizza often affects a person's health.

Assumptions:
I. Mostly, pizza contains lot of saturated fat and salts that lead to various health issues.
II. To a large extent, overeating of pizzas leads to a sharp rise in blood cholesterol levels.

Options :

1. ✖ Only I is implicit.

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2. ✖ Only II is implicit.

3. ✔ Both I and II are implicit.

4. ✖ Neither I nor II is implicit.

Question Number : 36 Question Id : 6789138236 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In an imaginary language, the digits 0, 1, 2, 3, 4, 5, 6, 7, 8 and 9 are substituted by a, b, c, d, e, f, g, h, i and j.
(hi ÷ e) + (ad – f) *x* g is equal to _____

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

Options :

1. 14

2. –16

3. –5

4. 28

Question Number : 37 Question Id : 6789138237 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What is the next term in this series:
11KI, 15OM, _____?

Options :

1. ✔ 19SQ

2. ✖ 19QS

3. ✖ 19QT

4. ✖ 19ST

Question Number : 38 Question Id : 6789138238 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Insert mathematical symbols in the place of '?' to get the result of the given equation as 5:
((110?120)?5)?10 = 5

Options :

1. ✔ –, +, +

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2. ✖ −, ÷, ÷

3. ✖ −, ×, ÷

4. ✖ +, ÷, ×

Question Number : 39 Question Id : 6789138239 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the next term in this series.
ZKC, XPE, VUG, _____.

Options :

1. ✖ TYJ

2. ✖ TZJ

3. ✖ TYI

4. ✔ TZI

Question Number : 40 Question Id : 6789138240 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The pass percentage of four schools in four years is as shown in the given table.

School Name	2012-13	2013-14	2014-15	2015-16
PQR	27%	31%	45%	67%
ABC	61%	65%	50%	78%
DEF	95%	86%	80%	70%
XYZ	92%	82%	78%	71%

In which year did all the schools have more than 60% as pass percentage results?

Options :

1. ✖ 2012-13

2. ✖ 2013-14

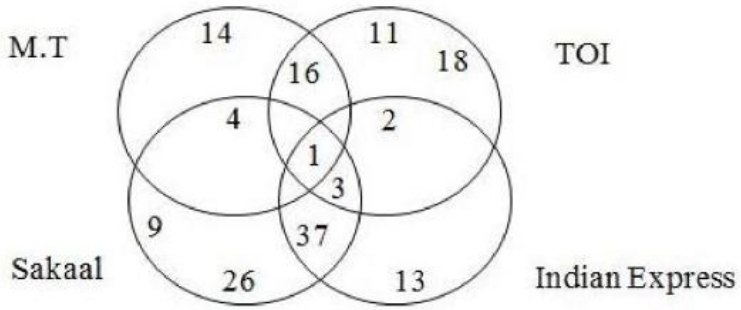
3. ✖ 2014-15

4. ✔ 2015-16

Question Number : 41 Question Id : 6789138241 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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Answer the question based on the given diagram.



The numbers indicate the number of subscribers and the circles represent a newspaper.

Question:
How many people subscribe just to the Sakaal newspaper?

Options :

1. ✖ 76

2. ✖ 72

3. ✔ 35

4. ✖ 80

Question Number : 42 Question Id : 6789138242 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The pass percentage of four schools in four years is as shown in the given table.

School Name	2012-13	2013-14	2014-15	2015-16
PQR	27%	31%	45%	67%
ABC	31%	65%	50%	78%
DEF	95%	86%	80%	70%
XYZ	92%	82%	78%	71%

For which school are the results gradually improving?

Options :

1. ✔ PQR

2. ✖ ABC

3. ✖ DEF

4. ✖ XYZ

Question Number : 43 Question Id : 6789138243 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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

Question:

If there are 100 sheep in a farm then what is the number of female sheep that are brown?

Statements:

1. There are 10 male sheep that are brown.
2. 25% of the sheep's are brown.

Options :

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

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

3. ✔ Both 1 and 2 together are sufficient

4. ✖ Each statement alone is sufficient

Question Number : 44 Question Id : 6789138244 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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

Guns : Armoury :: Grains : ?

Options :

1. ✖ Zoo

2. ✖ Fish

3. ✔ Granary

4. ✖ Birds

Question Number : 45 Question Id : 6789138245 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Three out of the four options given below are related in a particular way. Choose the option that is different or odd from the others.

Options :

1. ✖ Lamb

2. ✔ Cat

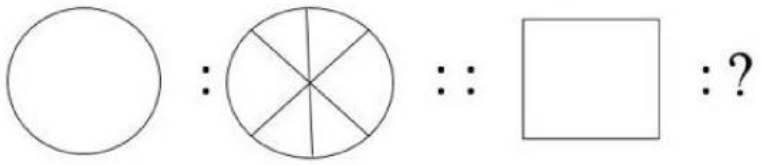
3. ✖ Kitten

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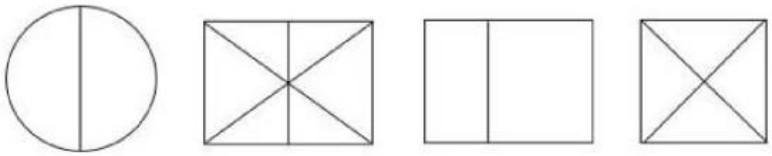
4. ✖ Larva

Question Number : 46 Question Id : 6789138246 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Identify the option that relates to the third figure in the same way that the second figure relates to the first figure.



Answer Figure:



1 2 3 4

Options :

1. ✖ 1

2. ✔ 2

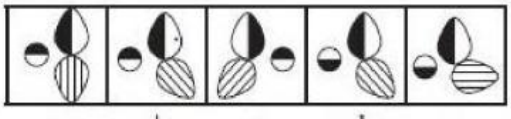
3. ✖ 3

4. ✖ 4

Question Number : 47 Question Id : 6789138247 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Choose the mirror image of the given figure.





a b c d e

Options :

1. ✖ a

2. ✔ b

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3. ✖ e

4. ✖ d

Question Number : 48 Question Id : 6789138248 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Consider the following statement and decide which of the assumptions is implicit from the statement.

Statement:
Televisions are rightly called idiot boxes.

Assumptions:
1. People who watch television are idiots.
2. People who do not watch television are smart.

Options :

1. ✖ Assumption 2 is implicit

2. ✖ Assumption 1 is implicit

3. ✔ Neither assumption is implicit

4. ✖ Both assumptions are implicit

Question Number : 49 Question Id : 6789138249 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Select the sequence of mathematical operators that when sequentially arranged in the blanks of the given expression will complete the expression correctly.

2 _5_ 2 _6_ 11

Options :

1. ✖ + + + −

2. ✖ + − − +

3. ✔ + − + =

4. ✖ − + = +

Question Number : 50 Question Id : 6789138250 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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Consider the following statement and decide which of the assumptions is implicit from the statement.

Statement:
Dogs generally do not sleep for long hours in the night.

Assumptions:
I. Dogs take short naps.
II. Dogs sleep during the day time.

Options :

1. ✖ Only assumption I is implicit

2. ✖ Only assumption II is implicit

3. ✖ Neither assumption I nor II is implicit

4. ✔ Both assumptions I and II are implicit

Question Number : 51 Question Id : 6789138251 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

200 students appeared for a certain examination. 80 students failed in Maths. 160 students passed in Physics. 30 students failed in Chemistry. 30 students failed in Maths and Physics. 15 students failed in Maths and Chemistry. 10 students failed in Physics and Chemistry. 100 students passed in all three subjects. How many students failed in exactly one subject?

Options :

1. ✖ 30

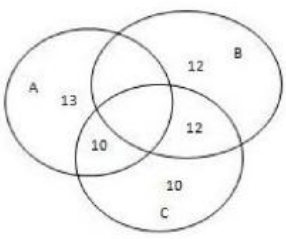
2. ✔ 45

3. ✖ 55

4. ✖ 80

Question Number : 52 Question Id : 6789138252 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The below Venn diagram represents the sports preferences told by a group of 100 college students. These students play at least one of the three below-mentioned games and 5 of them play all the three games. There are three games: Football (A), Tennis (B) and Cricket(C). Based on the diagram, how many students like to play only Tennis and Football?



Options :

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1. ✖ 35

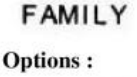
2. ✖ 37

3. ✔ 38

4. ✖ 34

Question Number : 53 Question Id : 6789138253 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

From the given four figures choose the correct water image of the below figure.



Options :

1. ✖ 

2. ✖ 

3. ✖ 

4. ✔

Question Number : 54 Question Id : 6789138254 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Suraj rode his cycle towards the North. He then turned right and rode for 2 km. Again, he turned right and rode for 4 km. He found himself exactly 2 km East of his starting point. How far did he ride his cycle in the North direction?

Options :

1. ✖ 2 km

2. ✔ 4 km

3. ✖ 6 km

4. ✖ 8 km

Question Number : 55 Question Id : 6789138255 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If 'south-east' is called 'east', 'north-west' is called 'west', 'south-west' is called 'south' and so on, then what will 'north' be called?

Options :

1. ✖ South-west

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2. ✔ North-west

3. ✖ North

4. ✖ South

Question Number : 56 Question Id : 6789138256 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The weight of an object is 98 N. What is its mass on the earth (Given g $= 9.8\ ms^{-2}$)?

Options :

1. ✖ 98 kg

2. ✖ 10 N

3. ✔ 10 kg

4. ✖ 100 kg

Question Number : 57 Question Id : 6789138257 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

_____ argued that all the planets orbit the sun and NOT the earth, contrary to what was believed at that time.

Options :

1. ✖ Isaac Newton

2. ✔ Galileo Galilei

3. ✖ Gregor Mendel

4. ✖ Johann Wolfgang Dobereiner

Question Number : 58 Question Id : 6789138258 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The tendency of a body to resist acceleration is called _____.

Options :

1. ✖ momentum

2. ✖ force

3. ✔ inertia

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4. ✖ energy

Question Number : 59 Question Id : 6789138259 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Newton's first law of motion:

Options :

1. ✖ describes the relationship between the forces on two interacting objects.

2. ✖ gives an idea of the effects of acceleration.

3. ✔ is also known as the law of inertia.

4. ✖ is also known as the law of conservation of energy.

Question Number : 60 Question Id : 6789138260 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What is the amount of Work done against gravity by a boy who is moving on a leveled road carrying a mass of 3kg for a distance of 10metres? ($g = 9.8\ m/sec^2$)

Options :

1. ✖ 30 J

2. ✖ 300 J

3. ✔ 0 J

4. ✖ 0.3 J

Question Number : 61 Question Id : 6789138261 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If two bodies of masses 'm' and '9m' are moving with equal kinetic energy, then the ratio of their linear momentum is:

Options :

1. ✖ 1 : 9

2. ✖ 9 : 1

3. ✔ 1 : 3

4. ✖ 3 : 1

Question Number : 62 Question Id : 6789138262 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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An object of mass 14 kg is at a certain height above the ground. If the potential energy of the object is 560 J. Find the height at which the object is with respect to the ground ($g = 10ms^{-2}$).

Options :

1. ✖ 4.5 m

2. ✔ 4 m

3. ✖ 3 m

4. ✖ 5 m

Question Number : 63 Question Id : 6789138263 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What does the amplitude of sound wave determine?

Options :

1. ✖ Amplitude

2. ✖ Frequency

3. ✖ Pitch

4. ✔ Loudness

Question Number : 64 Question Id : 6789138264 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In a Concave mirror, where should the Object be placed to get a Real, Inverted image of the same size at C?

Options :

1. ✖ At Infinity

2. ✔ At C

3. ✖ At Focus

4. ✖ Between the Focus and the Pole of the mirror

Question Number : 65 Question Id : 6789138265 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

1kWh = _____ J.

Options :

1. ✖ 36000

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2. ✖ 360000

3. ✔ 3600000

4. ✖ 36000000

Question Number : 66 Question Id : 6789138266 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following is an example of a good insulator?

Options :

1. ✔ Glass

2. ✖ Aluminium

3. ✖ Copper

4. ✖ Steel

Question Number : 67 Question Id : 6789138267 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The atmospheric pressure at sea level is _____ atmosphere.

Options :

1. ✖ 0

2. ✔ 1

3. ✖ 0.1

4. ✖ 0.001

Question Number : 68 Question Id : 6789138268 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Express 22 g of CO_2 in Moles. (Atomic mass of C=12.O=16)

Options :

1. ✖ 1 Mole

2. ✖ 2 Moles

3. ✔ ½ Mole

4. ✖ 4 Moles

Question Number : 69 Question Id : 6789138269 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Equal masses of ethane and hydrogen are mixed in any empty container at 25 °C. What is the fraction of total pressure exerted by hydrogen?

Options :

1. ✖ 1 : 1

2. ✖ 1 : 2

3. ✖ 1 : 16

4. ✔ 15 : 16

Question Number : 70 Question Id : 6789138270 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The _____ coating on silver is an example of corrosion.

Options :

1. ✖ Brown

2. ✖ Green

3. ✖ Blue

4. ✔ Black

Question Number : 71 Question Id : 6789138271 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

When an Acid reacts with a Metal Carbonate or Metal Hydrogen Carbonate, it gives the corresponding Salt, Carbon Dioxide gas and Water. Which of the following is the correct equation for this chemical reaction?

Options :

1. ✖ $Na_2CO_{3(s)} + HCl(aq) \rightarrow 2NaCl_{(aq)} + H_2O(l) + 2CO_{2(g)} + H_2O_{(l)}$

2. ✖ $Na_2CO_{3(s)} + 2HCl(aq) \rightarrow 2NaCl_{(aq)} + 2CO_{2(g)}$

3. ✔ $Na_2CO_{3(s)} + 2HCl(aq) \rightarrow 2NaCl_{(aq)} + H_2O(l) + CO_{2(g)}$

4. ✖ $Na_2CO_{3(s)} + HCl(aq) \rightarrow NaCl_{(aq)} + H_2O(l) + CO_{2(g)}$

Question Number : 72 Question Id : 6789138272 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Silicon forms compounds with hydrogen which have chains of up to _____ atoms.

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Options :

1. ✗ 5 or 6

2. ✗ 6 or 7

3. ✓ 7 or 8

4. ✗ 8 or 9

Question Number : 73 Question Id : 6789138273 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which one of the following is least reactive?

Options :

1. ✗ Potassium

2. ✗ Sodium

3. ✗ Lead

4. ✓ Silver

Question Number : 74 Question Id : 6789138274 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Classification of elements is important:

Options :

1. ✗ to understand their atomic number

2. ✗ to understand the function of the elements

3. ✗ to study their electronic configuration

4. ✓ to study the properties of elements conveniently

Question Number : 75 Question Id : 6789138275 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Elements A, B and C form a Dobereiner's triad. If the atomic mass of element A is 7 and that of element C is 39, then what is the atomic mass of element B?

Options :

1. ✓ 23

2. ✗ 32

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3. ✖ 46

4. ✖ 22

Question Number : 76 Question Id : 6789138276 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The _____ of stems and roots also stores nutrients and water.

Options :

1. ✖ Xylem

2. ✖ Sclerenchyma

3. ✔ Parenchyma

4. ✖ Collenchyma

Question Number : 77 Question Id : 6789138277 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following is a vascular plant?

Options :

1. ✖ Chara

2. ✖ Ulothrix

3. ✔ Marsilea

4. ✖ Spirogyra

Question Number : 78 Question Id : 6789138278 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Variation among organisms leads to _____.

Options :

1. ✖ selection of the most desirable characteristics.

2. ✔ evolution and growth of diversity

3. ✖ survival of the organism

4. ✖ complex form of evolution

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Question Number : 79 Question Id : 6789138279 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What is the full form of AIDS?

Options :

1. ✔ Acquired Immunodeficiency Syndrome

2. ✖ Advancement In Developing Syndrome

3. ✖ Active Immune Divide Signal

4. ✖ All Immune Down Syndrome

Question Number : 80 Question Id : 6789138280 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

_____ allow for greater variation to be generated.

Options :

1. ✖ Asexual reproduction

2. ✖ Vegetative propagation

3. ✖ Tissue culture

4. ✔ Sexual reproduction

Question Number : 81 Question Id : 6789138281 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who among the following Indian squash players is the first Indian to break into the top 10 in the PSA Women's rankings?

Options :

1. ✔ Dipika Pallikal Karthik

2. ✖ Joshna Chinappa

3. ✖ Janet Vidhi

4. ✖ Aparna Popat

Question Number : 82 Question Id : 6789138282 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

How many FIFA World Cup titles France has won?

Options :

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1. ✖ 3

2. ✖ 1

3. ✔ 2

4. ✖ 5

Question Number : 83 Question Id : 6789138283 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

How many gold medals did India win in the 2018 Commonwealth Games?

Options :

1. ✖ 20

2. ✔ 26

3. ✖ 14

4. ✖ 19

Question Number : 84 Question Id : 6789138284 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who played the lead actor role in the 2017 movie 'Pink'?

Options :

1. ✖ Akshay Kumar

2. ✖ Anupam Kher

3. ✔ Amitabh Bachchan

4. ✖ Abhishek Bachchan

Question Number : 85 Question Id : 6789138285 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The biography of Nelson Mandela is titled:

Options :

1. ✖ Madiba

2. ✔ Long Walk to Freedom

3. ✖ My Lone Walk to Freedom

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4. ✖ Mandela

Question Number : 86 Question Id : 6789138286 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Kalbelia is a popular dance form in _____.

Options :

1. ✖ Manipur

2. ✖ Gujrat

3. ✔ Rajasthan

4. ✖ Meghalaya

Question Number : 87 Question Id : 6789138287 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Whom has the British Prime Minister Theresa May appointed as the new Brexit Secretary?

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

Options :

1. George Howarth

2. Heidi Alexander

3. Eleanor Laing

4. Dominic Raab

Question Number : 88 Question Id : 6789138288 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who wrote the epic Ramayana?

Options :

1. ✖ Dronacharya

2. ✔ Valmiki

3. ✖ Chanakya

4. ✖ Chitragupta

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Question Number : 89 Question Id : 6789138289 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

LK Advani is known for his contributions in which of the following fields?

Options :

1. ✖ Social Activism

2. ✔ Politics

3. ✖ Music

4. ✖ Sports

Question Number : 90 Question Id : 6789138290 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In _____, 71-year-old Ram Nath Kovind became the 14th President of India.

Options :

1. ✔ July 2017

2. ✖ June 2017

3. ✖ August 2017

4. ✖ March 2017

Question Number : 91 Question Id : 6789138291 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which political party is in power in Telangana as of March 2018?

Options :

1. ✖ TDP

2. ✖ Congress

3. ✖ BJP

4. ✔ TRS

Question Number : 92 Question Id : 6789138292 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The Indian Space Research Organisation (ISRO) has joined hands with which state government to set up a telemedicine center at an altitude of 12,700 feet to provide service to pilgrims en route to the Amarnath shrine:

Options :

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1. ✖ Himachal Pradesh

2. ✖ Uttarakhand

3. ✖ Sikkim

4. ✔ Jammu & Kashmir

Question Number : 93 Question Id : 6789138293 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

_____ in Uttar Pradesh is famous for glass and bangle works.

Options :

1. ✖ Shikohabad

2. ✖ Ghaziabad

3. ✖ Moradabad

4. ✔ Firozabad

Question Number : 94 Question Id : 6789138294 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The literary sources for the Mauryan period include the Indica and the _____.

Options :

1. ✖ Pillar edicts

2. ✖ Rock edicts

3. ✖ Coins

4. ✔ Arthashastra

Question Number : 95 Question Id : 6789138295 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

_____ was the adopted son of Baji Rao II, who was deprived of his pension and title.

Options :

1. ✖ Tatya Tope

2. ✔ Nana Saheb

3. ✖ Bahadur Shah Zafar

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4. ✖ Mangal Pandey

Question Number : 96 Question Id : 6789138296 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

India does NOT share land frontier with _____.

Options :

1. ✖ Afghanistan

2. ✖ Bangladesh

3. ✖ China

4. ✔ Sri Lanka

Question Number : 97 Question Id : 6789138297 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Mount Dhupgarh is the highest point in the Satpura Range, is located in _____.

Options :

1. ✖ Gujarat

2. ✖ Chhattisgarh

3. ✔ Madhya Pradesh

4. ✖ Maharashtra

Question Number : 98 Question Id : 6789138298 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which scheme aims to provide villages with piped water supply powered by solar energy?

Options :

1. ✖ Bhujal scheme

2. ✖ Gangajal scheme

3. ✔ Swajal scheme

4. ✖ Shudpani scheme

Question Number : 99 Question Id : 6789138299 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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Computer scientists from Indian Institute of Technology (IIT), Madras have developed the first-of-its-kind family of six industry-standard microprocessors under Project Shakti. The initial batch of 300 chips were named:

Options :

1. ✖ INDIANINTEL

2. ✖ RENDCART

3. ✖ ROSECRT

4. ✔ RISECREEK

Question Number : 100 Question Id : 6789138300 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

According to the New World Wealth Report, India was ranked _____ in the list of wealthiest countries, with total wealth of $8,230 billion in 2017.

Options :

1. ✖ Seventh

2. ✖ Tenth

3. ✖ Fifth

4. ✔ Sixth

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