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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 06th Dec 2018 Shift3
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 : 3026163401 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following pairs is NOT a pair of co-primes?

Options :

1. ✖ 48, 95

2. ✖ 15, 62

3. ✔ 21, 51

4. ✖ 58, 93

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Question Number : 2 Question Id : 3026163402 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

$64^3 \div 8^3 \div 16^2 =$

Options :

1. ✖ 2^2

2. ✔ 2^1

3. ✖ 2^5

4. ✖ 2^{-1}

Question Number : 3 Question Id : 3026163403 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

$14.2 \times 0.00005 = ?$

Options :

1. ✖ 0.71

2. ✖ 0.0071

3. ✔ 0.00071

4. ✖ 0.071

Question Number : 4 Question Id : 3026163404 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

$5.5 + 0.55 + 0.055 + 0.0055 = ?$

Options :

1. ✖ 5.5005

2. ✖ 5.5555

3. ✔ 6.1105

4. ✖ 6.1505

Question Number : 5 Question Id : 3026163405 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Solve the following equation: $\frac{1.7 \times 1.7 \times 1.7 + 0.3 \times 0.3 \times 0.3}{2.89 + 0.09 - 0.51}$

Options :

1. ✖ 3.32

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2. ✖ 1.67

3. ✔ 2.00

4. ✖ 1.54

Question Number : 6 Question Id : 3026163406 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If $56 \times 37 = 2072$, then what is the value of 0.0056×370 ?

Options :

1. ✔ 2.072

2. ✖ 20.72

3. ✖ 0.2072

4. ✖ 0.02072

Question Number : 7 Question Id : 3026163407 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The HCF of 140 and 196 is:

Options :

1. ✖ 14

2. ✖ 21

3. ✔ 28

4. ✖ 42

Question Number : 8 Question Id : 3026163408 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

How many factors of $2^9 \times 3^5 \times 5^4 \times 7^6$ are odd?

Options :

1. ✖ 288

2. ✖ 144

3. ✖ 140

4. ✔ 210

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Question Number : 9 Question Id : 3026163409 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A person has borrowed a sum of money at 9% simple interest and invested the sum at 10% compound interest for 3 years. His profit after 3 years is ₹ 1952. How much money had he borrowed?

Options :

1. ✖ ₹ 30000

2. ✔ ₹ 32000

3. ✖ ₹ 33000

4. ✖ ₹ 32543

Question Number : 10 Question Id : 3026163410 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A shopkeeper purchases 8 books for ₹ 125 per book and sells 6 books for ₹150 per book and 2 books for ₹ 128 per book. Find the total gain percentage.

Options :

1. ✔ 15.6%

2. ✖ 20%

3. ✖ 17.5%

4. ✖ 19%

Question Number : 11 Question Id : 3026163411 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

By selling a set of books for ₹ 1782, the seller lost 28%. What should have been the selling price by the seller in order to gain 12%?

Options :

1. ✔ ₹ 2772

2. ✖ ₹ 2652

3. ✖ ₹ 2782

4. ✖ ₹ 2682

Question Number : 12 Question Id : 3026163412 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Sneha sold a mobile phone for ₹ 7482 and made a profit of 16%. What is the cost price of the phone?

Options :

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1. ✖ ₹ 6400

2. ✔ ₹ 6450

3. ✖ ₹ 6460

4. ✖ ₹ 6480

Question Number : 13 Question Id : 3026163413 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Brij can paint a wall alone in 7.6 days, while Madhu would need 11.4 days. If they work together, how many days will they take to paint $\frac{25}{38}$ of the wall?

Options :

1. ✖ 4

2. ✔ 3

3. ✖ 2.5

4. ✖ 1.9

Question Number : 14 Question Id : 3026163414 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Sandra and Mayuri, working together, can complete a job in 60 days. However, Mayuri works alone and leaves after completing a third of the job and then Sandra takes over and completes the remaining work by herself. As a result the duo could complete the job in 150 days. How many days would Sandra alone have taken to do the job if Mayuri worked faster than her?

Options :

1. ✖ 240

2. ✖ 165

3. ✔ 180

4. ✖ 225

Question Number : 15 Question Id : 3026163415 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A train crossed a 130 m long platform in 14.5 seconds and a 245 m long platform in 20.25 seconds. The speed of the train was _____.

Options :

1. ✖ 66 km/h

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2. ✖ 69 km/h

3. ✔ 72 km/h

4. ✖ 75 km/h

Question Number : 16 Question Id : 3026163416 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the median of 67, 34, 57, 32, 12, 92, 51, 62, 62, 57, 93 and 5?

Options :

1. ✖ 62

2. ✖ 32

3. ✖ 56.5

4. ✔ 57

Question Number : 17 Question Id : 3026163417 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A tank can be filled by tap A in 5 hours and tap B can fill the same in 6 hours. Tap C can empty the filled tank in 10 hours. If all the three taps are opened simultaneously, how much time will be taken to fill the tank completely?

Options :

1. ✖ 15 hours

2. ✖ 9 hours

3. ✖ $\frac{10}{7}$ hours

4. ✔ $\frac{15}{4}$ hours

Question Number : 18 Question Id : 3026163418 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Working together, pipes A, B and C can fill a tank in 4 hours. Pipe A works twice as fast as pipe B, and pipe C works twice as fast as pipe A. How long will pipe A take to fill the tank working alone?

Options :

1. ✖ 7 hours

2. ✔ 14 hours

3. ✖ 30 hours

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4. ✖ 28 hours

Question Number : 19 Question Id : 3026163419 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

5^{th} of September 2019 will be a Thursday. In which of the years given below will 5^{th} of September also be a Thursday?

Options :

1. ✖ 2022

2. ✖ 2023

3. ✔ 2024

4. ✖ 2025

Question Number : 20 Question Id : 3026163420 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

There are two inlet pipes, Pipe X and Pipe Y, filling an empty tank. Pipe X alone can fill up an empty tank to $\frac{2}{3}$ of the tank's capacity in 10 hours. Pipe Y alone can fill up an empty tank to $\frac{1}{6}$ of the tank's capacity in 5 hours. Both the pipes are pumping at their respective constant rates. How many hours will it take for both the pipes, pumping simultaneously at their respective constant rates, to fill up the empty tank to its capacity?

Options :

1. ✖ 15 hours

2. ✔ 10 hours

3. ✖ 24 hours

4. ✖ 30 hours

Question Number : 21 Question Id : 3026163421 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The mean of 5 consecutive prime numbers beginning from 11 is:

Options :

1. ✖ 15

2. ✖ 20.6

3. ✔ 16.6

4. ✖ 17.8

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Question Number : 22 Question Id : 3026163422 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The lengths of the three sides of a triangle are given as 8 cm, 13 cm and 15 cm. The ratio of their corresponding altitudes to the opposite vertices will be:

Options :

1. ✔ 195 : 120 : 104

2. ✖ 15 : 13 : 8

3. ✖ 104 : 195 : 120

4. ✖ 28 : 23 : 21

Question Number : 23 Question Id : 3026163423 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A, B, C and D are points on a circle with centre O. The chords AC and BD intersect inside the circle at E. AB and CD are drawn. $\angle BAE = 47°$ and $\angle ACD = 93°$. What is the measure of $\angle BEC$?

Options :

1. ✖ $110°$

2. ✖ $120°$

3. ✖ $130°$

4. ✔ $140°$

Question Number : 24 Question Id : 3026163424 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

One of the roots of the equation $x^2 - 12x + 2k = 0$ is $x = 4$. The other root is:

Options :

1. ✖ $x = -8$

2. ✖ $x = -4$

3. ✔ $x = 8$

4. ✖ $x = 6$

Question Number : 25 Question Id : 3026163425 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The average marks obtained by Rina in 16 tests is 26. Shreya has been maintaining an average of 24 so far but has taken only 12 of the tests so far. How much does Shreya have to score on an average in the remaining 4 tests to match Rina's performance?

Options :

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1. ✖ 28

2. ✖ 26

3. ✖ 30

4. ✔ 32

Question Number : 26 Question Id : 3026163426 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Blood is related to Red in the same way as Leaves is related to:

Options :

1. ✖ Fresh

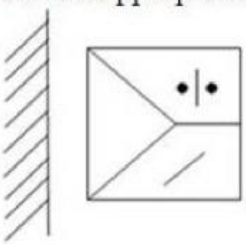
2. ✖ Wet

3. ✖ Spring

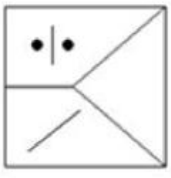
4. ✔ Green

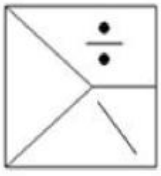
Question Number : 27 Question Id : 3026163427 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the appropriate mirror image of the given figure if the mirror is placed to the left of the figure.

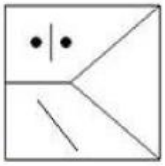


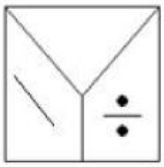
Options :

1. ✖ 

2. ✖ 

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3. ✔ 

4. ✖ 

Question Number : 28 Question Id : 3026163428 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Consider the following statements to be true even if they seem to be at variance from commonly known facts and decide which of the conclusions logically follows from the statements.

Statements:

A. All mothers are teachers.
B. All teachers are honest.

Conclusions:

I. Some teachers are mothers.
II. No teacher is dishonest.

Options :

1. ✖ Only conclusion II follows

2. ✖ Only conclusion I follows

3. ✔ Both the conclusions follow

4. ✖ Neither conclusion I nor II follows

Question Number : 29 Question Id : 3026163429 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Consider the following statements to be true and decide which of the conclusions logically follows from the statements.

Statements:

The amendment of the Industrial Employment rules 1946 to restrain sexual harassment at the work place was happily welcomed by the women organisations in India.

Conclusions:

1. In developing countries like India, sexual harassment of women in the work place is more common when compared to other developed countries.
2. In India, many organisations will stop recruiting women to avoid such problems.

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Options :

1. ✔ Only conclusion 1 follows

2. ✖ Only conclusion 2 follows

3. ✖ Either conclusion 1 or 2 follows

4. ✖ Neither conclusion 1 nor 2 follows

Question Number : 30 Question Id : 3026163430 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If I want to buy 5 oranges and 10 apples from a fruit seller, and he has 20 oranges and 20 apples in the shop, how many fruit would be left after I buy the fruit?

Options :

1. ✖ 33

2. ✖ 34

3. ✔ 25

4. ✖ 30

Question Number : 31 Question Id : 3026163431 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Read the given statement and conclusions carefully. Assuming that the information in the statement is true, even if they appear to be in variance with commonly known facts, select which of the conclusions logically follow(s) from the statement beyond reasonable doubt.

Statement:
All jaguars are cheetahs, some cheetahs are leopards

Conclusions:
1. Some leopards are cheetahs
2. Some cheetahs are jaguars

Options :

1. ✖ Only conclusion 1 follows

2. ✖ Only conclusion 2 follows

3. ✖ Either 1 or 2 follows

4. ✔ Both 1 and 2 follows

Question Number : 32 Question Id : 3026163432 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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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: Should the cigarette advertisements be banned?

Arguments :

I. Yes, they influence the youth to smoke.

II. No, smoking reflects the stylish attitude of the youth.

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 : 3026163433 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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

Statement :

Everybody loves watching comedy shows on TV.

Assumptions:

I. Comedy shows on TV are only being telecast nowadays

II. Nobody loves watching any other show.

Options :

1. ✖ Only I is implicit

2. ✖ Only II is implicit

3. ✔ Neither I nor II is implicit

4. ✖ Either I or II is implicit

Question Number : 34 Question Id : 3026163434 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 statements and decide which of the conclusions logically follows from the statements.

Statement:
Markets rewards patience.

Conclusions:
I. Good appreciation will be rewarded for long-term investments.
II. One must book the profits as on the date.

Options :

1. ✔ Only conclusion I follows

2. ✖ Only conclusion II follows

3. ✖ Neither conclusion I nor II is true

4. ✖ Either conclusion I or II follows

Question Number : 35 Question Id : 3026163435 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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

Statement:
There is a mass production of packaged consumer goods that come in plastic cases. This poses a threat to the environment

Conclusions:
I. Mass production of consumer based goods have generated lot of plastic waste that affects the environment.
II. We must start using eco-friendly materials for packaging of goods.

Options :

1. ✔ Only conclusion I follows.

2. ✖ Only conclusion II follows.

3. ✖ Neither conclusion follows.

4. ✖ Both the conclusions follow.

Question Number : 36 Question Id : 3026163436 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If all the letters " A, E, R, G, N" are arranged to form a meaningful word, then the last letter of the word is:

Options :

1. ✖ N

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2. ✖ A

3. ✔ R

4. ✖ G

Question Number : 37 Question Id : 3026163437 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the next term in the following series.

12C3, 24E5, 36G7, _____

Options :

1. ✔ 48I9

2. ✖ 50I9

3. ✖ 48I10

4. ✖ 48I11

Question Number : 38 Question Id : 3026163438 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the next term in the following series:
63, 71, 87, 95, 111, _____.

Options :

1. ✖ 125

2. ✖ 120

3. ✖ 110

4. ✔ 119

Question Number : 39 Question Id : 3026163439 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the missing term in this series.
59, 55, 61, 51, _____, 47, 71, 43, 73

Options :

1. ✖ 64

2. ✖ 63

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3. ✖ 69

4. ✔ 67

Question Number : 40 Question Id : 3026163440 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

You are living in a college hostel. The rice served to you in the mess has a lot of stones. What would you do?

Options :

1. ✔ Bring the matter to the notice of mess in charge.

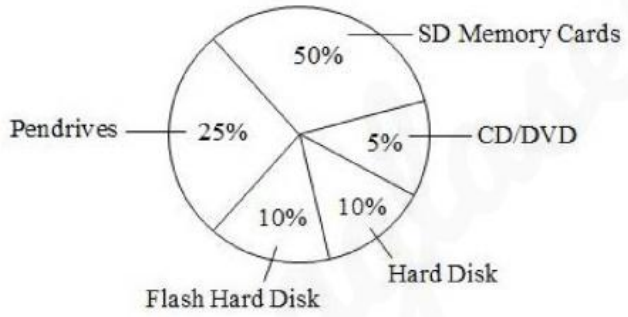
2. ✖ Leave eating the rice altogether

3. ✖ Buy your own rice and cook it in your room.

4. ✖ Speak to the cook without changing the rice.

Question Number : 41 Question Id : 3026163441 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The following pie chart shows the sales of memory devices by the company 'XYZ' for the year 2015.



If XYZ sold a total of around 1,50,000 memory devices then how many pen drives were sold in the year 2015?

Options :

1. ✖ 1,50,000

2. ✖ 15,000

3. ✔ 37,500

4. ✖ 75,000

Question Number : 42 Question Id : 3026163442 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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Chris leaves his house at 4 pm to meet Leo. Chris goes straight and takes a right turn after 5 km. Then he goes another 3 km to take a left turn. After going 2 km, he again turns left and goes 10 km. Then, he takes a final right turn and reaches Leo's house after travelling 3 km further. When he reaches Leo's house, he finds the sun towards his left. Then, in which direction was Leo's house with respect to Chris's house?

Options :

1. ✖ South-East

2. ✖ South-West

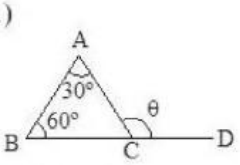
3. ✖ North-West

4. ✔ North-East

Question Number : 43 Question Id : 3026163443 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 equations. Identify which of the equations is/are sufficient to answer the question
Find the value of θ, if

1)



2) $\angle C = x^\circ$

Options :

1. ✔ Only 1 is sufficient

2. ✖ Only 2 is sufficient

3. ✖ Either 1 or 2 is sufficient

4. ✖ Neither 1 nor 2 is sufficient

Question Number : 44 Question Id : 3026163444 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the odd one out.

A	B	C	D
			

Options :

1. ✖ A

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2. ✖ B

3. ✖ C

4. ✔ D

Question Number : 45 Question Id : 3026163445 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.

Pathology : Diseases :: Astrology : ?

Options :

1. ✔ Future

2. ✖ Fossils

3. ✖ Friend

4. ✖ Fast

Question Number : 46 Question Id : 3026163446 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. ✔ Ostrich

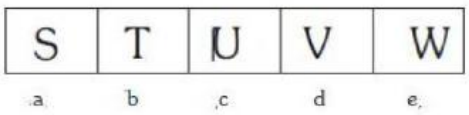
2. ✖ Birds

3. ✖ Mammals

4. ✖ Reptiles

Question Number : 47 Question Id : 3026163447 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Out of the five figures marked (a), (b), (c), (d) and (e), four are similar in a certain manner. However, one figure is NOT like the other four. Choose the figure which is different from the rest.



Options :

1. ✔ c

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2. ✖ d

3. ✖ e

4. ✖ a

Question Number : 48 Question Id : 3026163448 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Select the Answer Figure that can replace the question mark (?) in the following Question Figure series.

Question Figure



Answer Figure



Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 49 Question Id : 3026163449 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

5 years ago, Sindhu was thrice the age of Kaveri. 10 years from now, Kaveri will be half the age of Sindhu. What will be Kaveri's age 5 years from now?

Options :

1. ✖ 15 years

2. ✖ 20 years

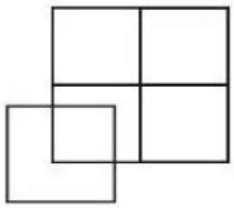
3. ✔ 25 years

4. ✖ 55 years

Question Number : 50 Question Id : 3026163450 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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Find the number of squares in the given figure.



Options :

1. ✖ 5

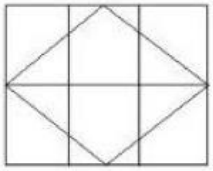
2. ✖ 6

3. ✔ 7

4. ✖ 8

Question Number : 51 Question Id : 3026163451 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What is the minimum number of straight lines required to make the following figure?



Options :

1. ✖ 10

2. ✔ 11

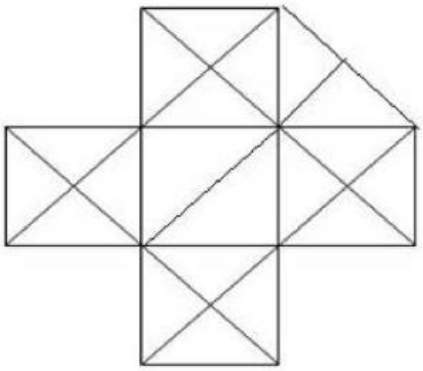
3. ✖ 12

4. ✖ 13

Question Number : 52 Question Id : 3026163452 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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How many triangles are present in the below figure?



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

Options :

1. 44

2. 45

3. 49

4. 47

Question Number : 53 Question Id : 3026163453 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Vasan and Rajan were playing carom, sitting in a standard carrom seating arrangement. If Rajan was facing north direction, which direction was Vasan facing?

Options :

1. ✖ North

2. ✔ South

3. ✖ East

4. ✖ West

Question Number : 54 Question Id : 3026163454 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Meeth is mopping a gallery which has entrance from the west. On entering the gallery, he walks to the opposite side and then turns his face towards the entrance and starts mopping to his left. Which direction he has started mopping first?

Options :

1. ✔ South

2. ✖ East

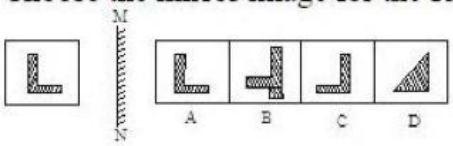
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3. ✖ West

4. ✖ North

Question Number : 55 Question Id : 3026163455 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Choose the mirror image for the following figure.



Options :

1. ✖ A

2. ✖ B

3. ✔ C

4. ✖ D

Question Number : 56 Question Id : 3026163456 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following is NOT an effect of unbalanced force acting on an object?

Options :

1. ✖ Change in the speed of an object

2. ✖ Change in the direction of motion of an object

3. ✖ Change in the state of rest of an object

4. ✔ Do not cause a change in the object's motion

Question Number : 57 Question Id : 3026163457 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Relative density of silver is 10.8. The density of water is $10^3\ kgm^{-3}$. What is the density of silver in SI unit?

Options :

1. ✖ $1.8 \times 10^3\ kgm^{-3}$

2. ✖ $1.08 \times 10^3\ kgm^{-3}$

3. ✔ $10.8 \times 10^3\ kgm^{-3}$

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4. ✖ $108 \times 10^3\ kgm^{-3}$

Question Number : 58 Question Id : 3026163458 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Force / mass =

Options :

1. ✖ velocity

2. ✖ momentum

3. ✔ acceleration

4. ✖ displacement

Question Number : 59 Question Id : 3026163459 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following statement is INCORRECT?

Options :

1. ✖ The value of 'g' changes while going deep inside the earth.

2. ✖ The value of 'g' depends on the mass of the earth.

3. ✖ The value of 'g' changes with altitude.

4. ✔ The value of 'g' depends on the mass of the falling object.

Question Number : 60 Question Id : 3026163460 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If water falls from a dam into a turbine wheel 19.6 m below, then the velocity of water at the turbines is (take g = 9.8 m/ s^2):

Options :

1. ✖ 9.8 m/s

2. ✖ 4.9 m/s

3. ✔ 19.6 m/s

4. ✖ 98 m/s

Question Number : 61 Question Id : 3026163461 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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A bus travels with a constant force of 4000 N. The work done by the bus is 2000 J. The distance travelled by bus is:

Options :

1. ✖ 1 metre

2. ✔ 0.5 metre

3. ✖ 2 metre

4. ✖ 1.5 metre

Question Number : 62 Question Id : 3026163462 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A coolie carries a load of 500 N to a distance of 100 m. The work done by him is :

Options :

1. ✖ 5 N

2. ✖ $\frac{1}{5}$ N

3. ✔ 0

4. ✖ 50 N

Question Number : 63 Question Id : 3026163463 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which one is true about mirror equation?

Options :

1. ✖ All rays will deviate at pole.

2. ✔ All distances should be measured from the pole.

3. ✖ The centre of curvature is equidistant from pole and radius of curvature.

4. ✖ The pole and focus is at the same point.

Question Number : 64 Question Id : 3026163464 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The amplitude of a wave is _____.

Options :

1. ✔ the maximum distance moved by the medium particles on either side of the mean position

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2. ✖ the distance the wave moves in 1 second

3. ✖ the distance equal to 1 wave length

4. ✖ the distance the wave moves in 1 time period of the wave

Question Number : 65 Question Id : 3026163465 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Why the filament of an electric bulb is usually made up of tungsten?

Options :

1. ✖ Because of its higher resistivity value and boiling point.

2. ✔ Because of its higher resistivity value and melting point.

3. ✖ Because of its higher conductivity value and melting point.

4. ✖ Because of its higher conductivity value and boiling point.

Question Number : 66 Question Id : 3026163466 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

When does the conduction in fluids take place?

Options :

1. ✔ When motion of positive and negative charges exists.

2. ✖ When iron electrodes are used.

3. ✖ When a resistor is attached to the apparatus.

4. ✖ When positive and negative charges stop moving.

Question Number : 67 Question Id : 3026163467 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The particles in a solid:

Options :

1. ✖ Have big spaces between them

2. ✖ Move randomly

3. ✖ Have minimum attraction

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4. ✔ Are arranged in an orderly fashion

Question Number : 68 Question Id : 3026163468 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In 144 g of magnesium, __ gram atoms are present.

Options :

1. ✔ 6

2. ✖ 144

3. ✖ 32

4. ✖ 64

Question Number : 69 Question Id : 3026163469 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

_____ is accompanied by cooling.

Options :

1. ✖ Boiling

2. ✔ Evaporation

3. ✖ Condensation

4. ✖ Vaporisation

Question Number : 70 Question Id : 3026163470 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following metals will NOT displace Iron from Iron Chloride?

Options :

1. ✖ Aluminum

2. ✖ Magnesium

3. ✔ Silver

4. ✖ Zinc

Question Number : 71 Question Id : 3026163471 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The chemical formula of Gypsum is _____ .

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Options :

1. ✔ $CaSO_4 \cdot 2H_2O$

2. ✖ $CaSO_4 \cdot 4H_2O$

3. ✖ $CaSO_4 \cdot 3H_2O$

4. ✖ $CaSO_4 \cdot 5H_2O$

Question Number : 72 Question Id : 3026163472 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which among the following is not a physical property of non- metals?

Options :

1. ✖ Not malleable and ductile

2. ✖ Low melting point and boiling point

3. ✔ Exist only in solid state

4. ✖ Poor conductor of heat and electricity

Question Number : 73 Question Id : 3026163473 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which one of the below is correctly matched?

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

Options :

1. Ethyne: $CH = CH_3$

2. Propyne: $CH_3 - CH = CH$

3. Butyne: $CH_3 - H_2C = CH$

4. Pentyne: $CH_3 - CH_2 - CH_2 - C = C$

Question Number : 74 Question Id : 3026163474 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following characteristics does not apply to Transition Elements?

Options :

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1. ✖ They are all metals and they have high melting and boiling points.

2. ✖ They are good conductors of heat and electricity.

3. ✖ Most of them are used as catalysts.

4. ✔ They are all gases.

Question Number : 75 Question Id : 3026163475 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Ionisation energy of an element depends on its_____.

Options :

1. ✔ Nuclear charge

2. ✖ Stable configuration

3. ✖ Atomic number

4. ✖ Screening effect

Question Number : 76 Question Id : 3026163476 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

_____ connects muscle to the bones.

Options :

1. ✖ Ligament

2. ✖ Cartilage

3. ✔ Tendons

4. ✖ Adipose

Question Number : 77 Question Id : 3026163477 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The cells of _____ tissue are very active, have dense cytoplasm, thin cellulose walls, prominent nuclei and lack vacuoles.

Options :

1. ✖ collenchyma

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2. ✖ parenchyma

3. ✔ meristematic

4. ✖ sclerenchyma

Question Number : 78 Question Id : 3026163478 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Tissues that help in transport of materials in plants are called:

Options :

1. ✖ Dermal Tissues

2. ✔ Vascular Tissues

3. ✖ Ground Tissues

4. ✖ Meristematic Tissues

Question Number : 79 Question Id : 3026163479 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which phylum of animals are also called as flatworms?

Options :

1. ✖ Coelenterate

2. ✔ Platyhelminthes

3. ✖ Porifera

4. ✖ Nematoda

Question Number : 80 Question Id : 3026163480 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Chlamydomonas belongs to which of the following Kingdoms?

Options :

1. ✔ Kingdom Protista

2. ✖ Kingdom Monera

3. ✖ Kingdom Plantae

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4. ✖ Kingdom Fungi

Question Number : 81 Question Id : 3026163481 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which hockey team won the 8th Senior National Women's Hockey Championship Tournament-2018?

Options :

1. ✖ Steel Plant Sports Board

2. ✖ Madhya Pradesh

3. ✔ Railway Sports Promotion Board

4. ✖ Hockey Madhya Bharat

Question Number : 82 Question Id : 3026163482 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following Tennis series is played on a synthetic court?

Options :

1. ✖ French open

2. ✔ Australian open

3. ✖ Wimbledon

4. ✖ US open

Question Number : 83 Question Id : 3026163483 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

For which men's freestyle category at the 2018 Asian Wrestling Championships did Vinod Kumar Omprakash clinch the bronze?

Options :

1. ✖ 68 kg

2. ✖ 64 kg

3. ✖ 73 kg

4. ✔ 70 kg

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Question Number : 84 Question Id : 3026163484 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who is the Director of the movie 'Hindi Medium' which was released in 2017?

Options :

1. ✖ Anupam Kher

2. ✖ Sanjay Leela Bhansali

3. ✔ Saket Chaudhary

4. ✖ Anurag Kashyap

Question Number : 85 Question Id : 3026163485 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who is the author of the book *"Indian Philosophy"*?

Options :

1. ✖ Sarojini Naidu

2. ✖ Shiv Khera

3. ✖ Swami Vivekananda

4. ✔ Dr. S Radhakrishnan

Question Number : 86 Question Id : 3026163486 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A Memphis music producer who recorded and promoted early rock music is _____.

Options :

1. ✖ Johnny Cash

2. ✖ Jim Morrison

3. ✖ Eddie Vedder

4. ✔ Sam Phillips

Question Number : 87 Question Id : 3026163487 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who is the present Chief of Army Staff?

Options :

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1. ✖ Dalbir Singh

2. ✔ Bipin Rawat

3. ✖ V.K.Singh

4. ✖ Bhikram Singh

Question Number : 88 Question Id : 3026163488 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who was appointed as the Director General of National Security Guard on 19th January, 2018?

Options :

1. ✖ Pradeep Lakhtakia

2. ✔ Sudeep Lakhtakia

3. ✖ Demish Maniyar

4. ✖ Vinod Naidu

Question Number : 89 Question Id : 3026163489 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who started the first newspaper in India?

Options :

1. ✔ James Hicky

2. ✖ Raja Ram Mohan Roy

3. ✖ James Silk Buckingham

4. ✖ Lokmanya Tilak

Question Number : 90 Question Id : 3026163490 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Article 51A of the Indian Constitution mentions which one of the following?

Options :

1. ✖ Preamble

2. ✖ Directive Principles of State Policy

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3. ✔ Fundamental Duties

4. ✖ Fundamental Rights

Question Number : 91 Question Id : 3026163491 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

How many languages are recognised by the Constitution of India, as per the information available till end of 2017?

Options :

1. ✖ 14

2. ✖ 16

3. ✖ 18

4. ✔ 22

Question Number : 92 Question Id : 3026163492 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Recently, which ministry has launched the Talent Hunt for artists of India?

Options :

1. ✖ Defence

2. ✔ Culture & Tourism

3. ✖ Environment

4. ✖ Home affairs

Question Number : 93 Question Id : 3026163493 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following is NOT one of the official languages mentioned in the VIIIth Schedule?

Options :

1. ✔ Garhwali(Pahadi)

2. ✖ Nepali

3. ✖ Dogri

4. ✖ Bodo

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Question Number : 94 Question Id : 3026163494 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Jaipur's signature building, the Hawa Mahal, a multi-layered palace, was built by Sawai Pratap Singh in _____.

Options :

1. ✖ 1899 AD

2. ✖ 1699 AD

3. ✖ 1599 AD

4. ✔ 1799 AD

Question Number : 95 Question Id : 3026163495 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

'Neel Darpan' by _____ narrates the plight of the indigo cultivators and their exploitation at the hands of the British.

Options :

1. ✖ Munshi Premchand

2. ✖ Chandra Chatterjee

3. ✖ Rabindranath Tagore

4. ✔ Dinabandhu Mitra

Question Number : 96 Question Id : 3026163496 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The Northern Plains lie to the _____ of the Himalayas.

Options :

1. ✖ west

2. ✖ north

3. ✔ south

4. ✖ east

Question Number : 97 Question Id : 3026163497 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

_____ is known as the 'Golden fibre'.

Options :

1. ✖ Hemp

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2. ✖ Cotton

3. ✖ Silk

4. ✔ Jute

Question Number : 98 Question Id : 3026163498 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which ministry launched Bidder Information Management System (BIMS) to expedite pre-construction process relating to bidding?

Options :

1. ✖ Ministry of Finance

2. ✖ Ministry of External Affairs

3. ✔ Union Ministry of Road Transport and Highways

4. ✖ Ministry of Home Affairs

Question Number : 99 Question Id : 3026163499 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which state of India is the leading producer of jute?

Options :

1. ✖ Bihar

2. ✔ West Bengal

3. ✖ Tamilnadu

4. ✖ Sikkim

Question Number : 100 Question Id : 3026163500 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Where was the world's largest solar park set up in 2018?

Options :

1. ✖ Tamil Nadu

2. ✖ Andhra Pradesh

3. ✖ Kerala

4. ✔ Karnataka