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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 15th 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 : 6789133301 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The LCM of 94, 188 and 235 is:

Options :

1. ✖ 1880

2. ✖ 705

3. ✖ 470

4. ✔ 940

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Question Number : 2 Question Id : 6789133302 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following is the smallest fraction?

$\frac{3}{15}, \frac{5}{20}, \frac{8}{64}, \frac{25}{1000}$

Options :

1. ✖ $\frac{5}{20}$

2. ✖ $\frac{8}{64}$

3. ✖ $\frac{3}{15}$

4. ✔ $\frac{25}{1000}$

Question Number : 3 Question Id : 6789133303 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

2/9 of the people in a restaurant are adults. If there are 65 more children than adults, how many children are there in the restaurant?

Options :

1. ✔ 91

2. ✖ 81

3. ✖ 117

4. ✖ 26

Question Number : 4 Question Id : 6789133304 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

An oil container is $\frac{3}{5}$ full. When 20 litres of oil is used from it, it is $\frac{7}{12}$ full. Find the capacity of the container?

Options :

1. ✔ 1200 litres

2. ✖ 1600 litres

3. ✖ 1000 litres

4. ✖ 1400 litres

Question Number : 5 Question Id : 6789133305 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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What is the LCM of 36, 40 and 660?

Options :

1. ✖ 1845

2. ✖ 1320

3. ✔ 3960

4. ✖ 6780

Question Number : 6 Question Id : 6789133306 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 twin primes?

Options :

1. ✖ 107, 109

2. ✖ 137, 139

3. ✔ 167, 169

4. ✖ 197, 199

Question Number : 7 Question Id : 6789133307 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

x and y, given correct to 2 decimal place, are given as 2.51 and 3.50 respectively. What is the minimum value of $x + y$?

Options :

1. ✔ 6.000

2. ✖ 5.990

3. ✖ 5.995

4. ✖ 6.010

Question Number : 8 Question Id : 6789133308 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The difference between a positive fraction and its reciprocal is $6\frac{39}{160}$. What is the fraction under consideration?

Options :

1. ✖ $\frac{15}{8}$

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2. ✖ $\frac{16}{5}$

3. ✔ $\frac{32}{5}$

4. ✖ $\frac{13}{8}$

Question Number : 9 Question Id : 6789133309 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Raju has ₹ 210 in the form of coins. 20% of the coins are in ₹5, 25% in ₹10, 15% in ₹ 2 and the remaining ones in ₹1 denominations. Find the number of ₹1 coins.

Options :

1. ✔ 20

2. ✖ 25

3. ✖ 22

4. ✖ 24

Question Number : 10 Question Id : 6789133310 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Ratio of the ages of father and son is 4 : 1 and the product of their ages is 196. What will be the ratio of their ages after 5 years?

Options :

1. ✖ 10 : 4

2. ✖ 14 : 3

3. ✔ 11 : 4

4. ✖ 3 : 1

Question Number : 11 Question Id : 6789133311 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What is the Compound Interest on ₹ 20,000 at 12% interest for 1 year, compounded half-yearly?

Options :

1. ✖ ₹ 2,982

2. ✖ ₹ 4,274

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3. ✔ ₹ 2,472

4. ✖ ₹ 2,742

Question Number : 12 Question Id : 6789133312 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

18.3% of 60 is 54.9% of _____.

Options :

1. ✖ 40

2. ✖ 30

3. ✔ 20

4. ✖ 45

Question Number : 13 Question Id : 6789133313 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A can do a work in 12 days and B can do it in 18 days. They started working together, but A leaves 3 days before the work gets over. For how many days did the two work together?

Options :

1. ✖ 7.2

2. ✔ 6

3. ✖ 7

4. ✖ 5

Question Number : 14 Question Id : 6789133314 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Travelling at 66 km/h, Piyali reaches a place 5 minutes early. If she travelled at 54 km/h, she would have been 3 minutes late. What is the distance Piyali had to travel?

Options :

1. ✖ 40.8 km

2. ✔ 39.6 km

3. ✖ 39.2 km

4. ✖ 40.2 km

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Question Number : 15 Question Id : 6789133315 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Rajan can finish a certain task in 6 days. Bhavesh takes 8 days to complete the same task. Charan takes as long as Rajan and Bhavesh would take working together. How long will it take Bhavesh and Charan to complete the work together?

Options :

1. ✔ $2\frac{2}{5}$ days

2. ✖ $2\frac{3}{5}$ days

3. ✖ $2\frac{4}{5}$ days

4. ✖ $2\frac{7}{5}$ days

Question Number : 16 Question Id : 6789133316 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Pipe A and pipe B can fill up a tank in 40 min and 80 min respectively. Both the pipes are opened simultaneously for some time and then pipe B is closed.If the total time to fill up the tank is 30 minutes,then how long the pipe B was open for?

Options :

1. ✖ 5 min

2. ✖ 10 min

3. ✖ 15 min

4. ✔ 20 min

Question Number : 17 Question Id : 6789133317 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

X is twice as old as his friend Y. Y is 5 years older than Z. In 10 years, X will be twice as old as Z. What is the age of Y now?

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

Options :

1. 26 years

2. 24 years

3. 28 years

4. 15 years

Question Number : 18 Question Id : 6789133318 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If 1 April 2017 was a Saturday, what day will 1 April 2020 be?

Options :

1. ✖ Sunday

2. ✖ Monday

3. ✖ Tuesday

4. ✔ Wednesday

Question Number : 19 Question Id : 6789133319 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A tank has two inlets and an outlet. The inlets fillup the tank in 6 hours and 8 hours individually and outlet empties it in 10 hours. If the inlets are opened for an hour and closed and then all the three taps are opened together, how much time will it take to fill up the remaining tank?

Options :

1. ✔ 85/23 hours

2. ✖ 75/23 hours

3. ✖ 82/23 hours

4. ✖ 72/23 hours

Question Number : 20 Question Id : 6789133320 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If today is TUESDAY. After 63 days, It will be:

Options :

1. ✖ Friday

2. ✖ Wednesday

3. ✔ Tuesday

4. ✖ Monday

Question Number : 21 Question Id : 6789133321 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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Find the median of the given data set:
42, 45, 58, 87, 45, 54, 65, 12, 25, 25 59, 60

Options :

1. ✖ 45

2. ✖ 59.5

3. ✔ 49.5

4. ✖ 54

Question Number : 22 Question Id : 6789133322 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In a triangle $\angle B = 90°$ and $\angle A = 30°$ then $\text{Sin}^2A - \text{Cos}^2A + \text{Tan}^2A$:

Options :

1. ✖ $\frac{2}{6}$

2. ✖ $\frac{-3}{12}$

3. ✖ $\frac{1}{6}$

4. ✔ $\frac{-1}{6}$

Question Number : 23 Question Id : 6789133323 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 $x^2 - 12x + k = 0$ is $x = 3$. The other root is:

Options :

1. ✖ $x = -9$

2. ✖ $x = -4$

3. ✔ $x = 9$

4. ✖ $x = 4$

Question Number : 24 Question Id : 6789133324 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A man buys 7 bats and 6 balls for ₹ 3,800. Later, he buys 3 bats and 5 balls for ₹ 1,750. What is the cost (in ₹) of a bat and a ball separately?

Options :

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1. ✖ Bat: 510, Ball: 40

2. ✖ Bat: 490, Ball: 60

3. ✖ Bat: 480, Ball: 70

4. ✔ Bat: 500, Ball: 50

Question Number : 25 Question Id : 6789133325 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If $a + \frac{1}{a} = 3$, find the value of $a^6 + \frac{1}{a^6}$

Options :

1. ✖ 729

2. ✔ 322

3. ✖ 36

4. ✖ 18

Question Number : 26 Question Id : 6789133326 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

How is Rajan's father's only brother's father related to Rajan?

Options :

1. ✔ Paternal Grandfather

2. ✖ Father

3. ✖ Son

4. ✖ Uncle

Question Number : 27 Question Id : 6789133327 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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

Options :

1. ✖ Gold

2. ✖ Silver

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3. ✖ Platinum

4. ✔ Oxygen

Question Number : 28 Question Id : 6789133328 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Neel is the only son of Jay's father's only sister. Jay and Neel are _____.

Options :

1. ✖ siblings

2. ✔ cousins

3. ✖ nephew

4. ✖ niece

Question Number : 29 Question Id : 6789133329 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).

Statements:

I. No seats are cushions.

II. Some cushions are pillows.

Conclusions:

1. Some seats are pillows.

2. Some cushions are seats.

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 : 6789133330 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Vijaya is Arun's sister. David is Rakesh's brother. Rakesh is Vijaya's son. How is David related to Vijaya?

Options :

1. ✖ Father

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2. ✔ Son

3. ✖ Brother

4. ✖ Nephew

Question Number : 31 Question Id : 6789133331 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?
Statement: Some Autos are Scooters. All the scooters are cycles.
Conclusions:
1. Some Autos are cycles
2. No scooter is Auto

Options :

1. ✔ Only (1) follows

2. ✖ Only (2) follows

3. ✖ Either (1) or (2) follows

4. ✖ Both (1) and (2) follows

Question Number : 32 Question Id : 6789133332 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Each question given below consists of a statement, followed by two arguments numbered I and II. You have to decide which of the arguments is a 'strong' argument.

Statement: Should education be made free for children till 14 years of age?

Arguments:

I. Yes, this will help to stop forced child labour in the country.
II. No, free things does not carry a value.

Options :

1. ✔ Only argument I is strong

2. ✖ Only argument II is strong

3. ✖ Neither I nor II is strong and

4. ✖ Both I and II are strong.

Question Number : 33 Question Id : 6789133333 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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In each question below is given 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: "I would like to do survey on the healthiest breakfast available in India" X says to Y.

Assumptions:

I. The healthiest breakfast in India can be found out with a survey

II. X possess skills and competencies to do such survey.

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 : 34 Question Id : 6789133334 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: "This bank gives the best interest rates on home loans", claims a private bank.

Assumptions:

I. Bank gives low interest on home loan to attract customers.

II. There are many people who take home loans.

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 : 6789133335 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:

A tenant said to his neighbour, "Now-a-days, there is too much of loud DJ music in marriage ceremonies and the peace of the locality is disturbed."

Conclusions:

I. DJ music is quite popular these days in marriages

II. The tenant prefers calmer locality

Options :

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1. ✖ Only conclusion I follows

2. ✖ Only conclusion II follows

3. ✖ No conclusion follows

4. ✔ Both the conclusions follow

Question Number : 36 Question Id : 6789133336 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:
F, J, I, M, L, P, ?

Options :

1. ✔ O

2. ✖ S

3. ✖ T

4. ✖ V

Question Number : 37 Question Id : 6789133337 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If + stands for ×, – for ÷, × for – and ÷ for +, find the value of 32 +26 –2 × 7 ÷ 12:

Options :

1. ✔ 421

2. ✖ 420

3. ✖ 400

4. ✖ 315

Question Number : 38 Question Id : 6789133338 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

P 3 R I M J 3 Q % W @ / N S E 5 X Y 1# 8

How many symbols in the above arrangement is/are immediately preceded by a letter and immediately NOT followed by a number?

Options :

1. ✖ 0

2. ✖ 1

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3. ✖ 2

4. ✔ 3

Question Number : 39 Question Id : 6789133339 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Suppose we represent the distance above the ground by a positive integer and that below the ground by a negative integer, then answer the following:
An elevator descends into a mine shaft at the rate of 5 metre per minute. What will be its position after one hour?

Options :

1. ✖ –340 m

2. ✖ 340 m

3. ✔ –300 m

4. ✖ 300 m

Question Number : 40 Question Id : 6789133340 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The number of foreign tourist arrivals in an island nation is recorded as follows. Which month is the second least visited month?

Months	Number of Tourist
January	2,000
February	1,500
March	2,500
April	3,000
May	2,000
June	1000

Options :

1. ✖ June

2. ✔ February

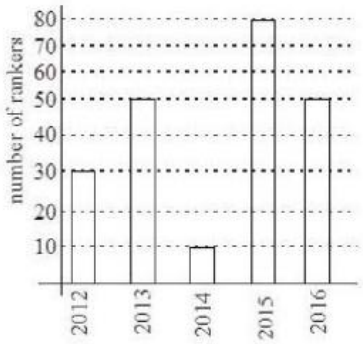
3. ✖ January

4. ✖ May

Question Number : 41 Question Id : 6789133341 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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The following Bar graph shows information of the results in the national level entrance exam by the institute "ABC" for the last 5 years.



In the year 2015, how many ranks were scored from institute "ABC"?

Options :

1. ✖ 60

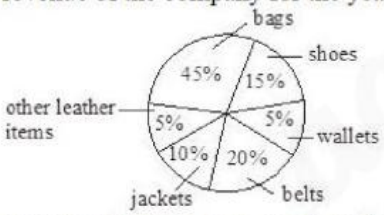
2. ✖ 70

3. ✔ 80

4. ✖ 90

Question Number : 42 Question Id : 6789133342 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The following pie diagram shows the revenue of the company ABC, which manufactures the leather products. The total revenue of the company for the year 2015 was ₹ 3,628,000



How much revenue was made with the sale of bags & shoes in 2015?

Options :

1. ✖ ₹ 27210

2. ✖ ₹ 544200

3. ✖ ₹ 1088400

4. ✔ ₹ 2176800

Question Number : 43 Question Id : 6789133343 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 question and decide whether the statements are sufficient to answer the question.

Question:
In a box, there are packets of three different sizes. How many packets are there in the box?

Statements:
1) Half of all the packets are of medium size.
2) There are six big packets.
3) There are twice the amount of smaller packets than there are larger packets.

Options :

1. ✔ Statements 1, 2 and 3 together are sufficient

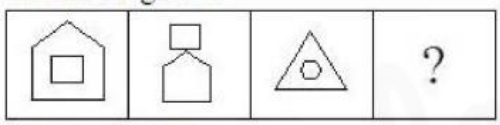
2. ✖ Statements 1 and 3 are sufficient

3. ✖ Statements 1 and 2 are sufficient

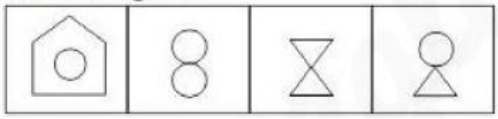
4. ✖ None of the statements are sufficient.

Question Number : 44 Question Id : 6789133344 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the next figure for the given series:
Problem figures:



Answer figures:



Options :

1. ✖ A

2. ✖ B

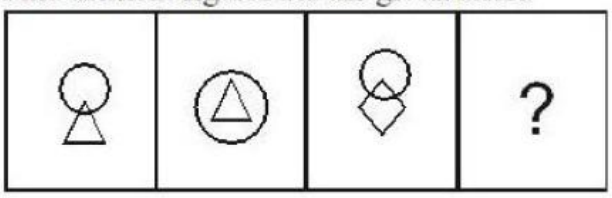
3. ✖ C

4. ✔ D

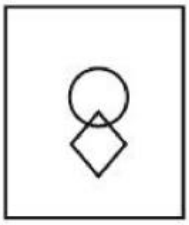
Question Number : 45 Question Id : 6789133345 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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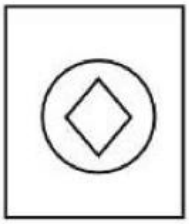
Find the next figures for the given series

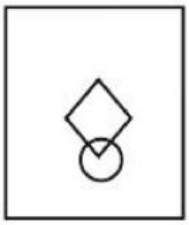


Options :

1. ✖ 

2. ✖ 

3. ✔ 

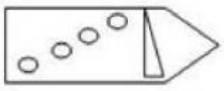
4. ✖ 

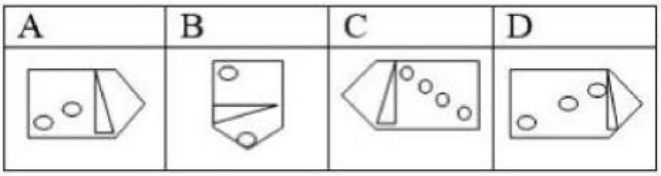
Question Number : 46 Question Id : 6789133346 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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Which of the options bears the closest resemblance to the following figure?





Options :

1. ✖ A

2. ✖ B

3. ✔ C

4. ✖ D

Question Number : 47 Question Id : 6789133347 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the odd figure out:



Options :

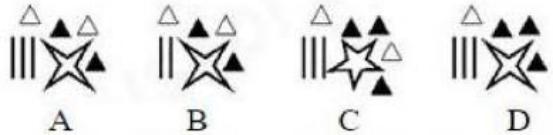
1. ✖ A

2. ✖ B

3. ✖ C

4. ✔ D

Question Number : 48 Question Id : 6789133348 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical



The figure that does not belong to the group is:

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

Options :

1. A

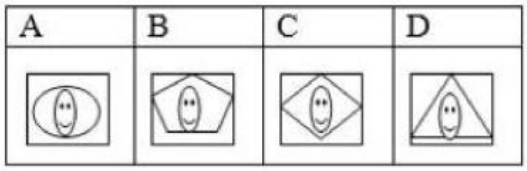
2. B

3. C

4. D

Question Number : 49 Question Id : 6789133349 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

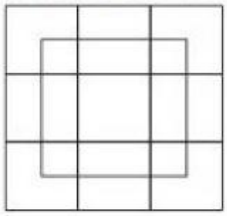
2. ✖ B

3. ✖ C

4. ✖ D

Question Number : 50 Question Id : 6789133350 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the number of squares in the figure



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

Options :

1. 21

2. 19

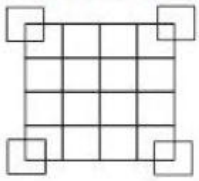
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3. 24

4. 25

Question Number : 51 Question Id : 6789133351 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Count the number of squares in the following figure:



Options :

1. ✖ 36

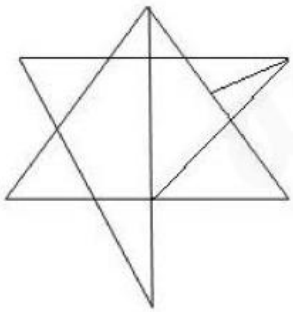
2. ✔ 38

3. ✖ 40

4. ✖ 42

Question Number : 52 Question Id : 6789133352 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?



Options :

1. ✖ 18

2. ✖ 17

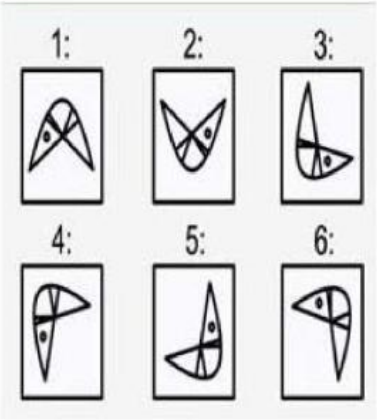
3. ✔ 16

4. ✖ 11

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Question Number : 53 Question Id : 6789133353 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Identify the dissimilar object from the below given objects.



Options :

1. ✔ 3

2. ✖ 2

3. ✖ 1

4. ✖ 5

Question Number : 54 Question Id : 6789133354 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A soldier is walking in North direction for 2 km, then he turns left and walks for 3 km and then turns left and continues walking. Which direction is he walking now?

Options :

1. ✖ North

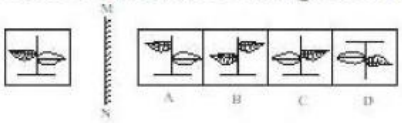
2. ✖ East

3. ✖ West

4. ✔ South

Question Number : 55 Question Id : 6789133355 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 :

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1. ✖ A

2. ✖ B

3. ✔ C

4. ✖ D

Question Number : 56 Question Id : 6789133356 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the phenomenon mentioned in the options is NOT explained by the universal law of gravitation?

Options :

1. ✖ The motion of the moon around the earth

2. ✖ The force that binds us to the earth

3. ✔ The motion of sun around the planets

4. ✖ The tides are due to the moon and the sun

Question Number : 57 Question Id : 6789133357 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A bus starts from rest and travels down a hill with constant acceleration. It travels a distance of 200 m in 10 s. Its acceleration is:

Options :

1. ✖ $2\ m/s^2$

2. ✔ $4\ m/s^2$

3. ✖ $6\ m/s^2$

4. ✖ $8\ m/s^2$

Question Number : 58 Question Id : 6789133358 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Change in velocity/Time taken = ___.

Options :

1. ✖ Displacement

2. ✖ Speed

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3. ✔ Acceleration

4. ✖ Momentum

Question Number : 59 Question Id : 6789133359 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

An object travels 30 m in 4 s and then another 70 m in 6 s. What is the average speed of the object?

Options :

1. ✖ 8 ms^{-1}

2. ✔ 10 ms^{-1}

3. ✖ 8 ms^{1}

4. ✖ 10 ms^{1}

Question Number : 60 Question Id : 6789133360 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The rate of doing work or the rate of transfer of energy is called___.

Options :

1. ✖ Work done

2. ✔ Power

3. ✖ Momentum

4. ✖ Force

Question Number : 61 Question Id : 6789133361 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the energy possessed by an object of mass 14 kg when it is at a height of 5 m above the ground. Given $g = 9.8$ ms^{-2}

Options :

1. ✖ 528 J

2. ✖ 668 J

3. ✔ 686 J

4. ✖ 686 m

Question Number : 62 Question Id : 6789133362 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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1 Joule =_____

Options :

1. ✗ 1 N x1cm

2. ✗ 1Pa x 1m

3. ✗ 1W x 1m

4. ✓ 1N x 1m

Question Number : 63 Question Id : 6789133363 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 of speed of sound in different media at 25°C ?

A. In Aluminium, speed of sound is 6220 m/s.
B. In Nickel speed of sound 6040 m/s.

Options :

1. ✗ Only A is true

2. ✓ Only B is true

3. ✗ Both A and B are true

4. ✗ Neither A nor B is true

Question Number : 64 Question Id : 6789133364 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

When an object is placed beyond the centre of curvature © of a concave mirror, the image will be formed:

Options :

1. ✗ At focus

2. ✓ Between F and C

3. ✗ Beyond C

4. ✗ At C

Question Number : 65 Question Id : 6789133365 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which law states the relationship between the potential difference across a conductor and the current flowing through it?

Options :

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1. ✖ Faraday's law

2. ✔ Ohm's law

3. ✖ Newton's law

4. ✖ Joules law

Question Number : 66 Question Id : 6789133366 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

How much work is done in moving a charge of 4C across two points having a P.D of 10 V?

Options :

1. ✖ 4 J

2. ✔ 40 J

3. ✖ 0.4 J

4. ✖ 2.5 J

Question Number : 67 Question Id : 6789133367 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

16 g oxygen contains _____ atoms of oxygen.

Options :

1. ✖ 6.022×10^{-23}

2. ✔ 6.022×10^{23}

3. ✖ 6.022×10^{-22}

4. ✖ 6.022×10^{22}

Question Number : 68 Question Id : 6789133368 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The formula unit mass of $CaCl_2$ is:

Options :

1. ✖ 100 u

2. ✖ 105 u

3. ✔ 111 u

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4. ✖ 121 u

Question Number : 69 Question Id : 6789133369 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/false?

Statement

A. If we decrease temperature and increase pressure, we can liquefy the atmospheric gases.

B. A cold day means the temperature of the atmosphere is high and humidity of air is low. Both these factors increase the rate of evaporation and thus enormous cooling is produced.

Options :

1. ✔ Only A is true.

2. ✖ Only B is true.

3. ✖ Both A and B are true.

4. ✖ Both A and B are false.

Question Number : 70 Question Id : 6789133370 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Magnesium ribbon burns with a dazzling white flame and changes into a _____ coloured powder.

Options :

1. ✖ black

2. ✖ grey

3. ✔ white

4. ✖ yellow

Question Number : 71 Question Id : 6789133371 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which are the two chemicals that are used in black and white photography?

Options :

1. ✖ $AgNO_3$ and AgBr

2. ✖ AgCl and $AgNO_3$

3. ✔ AgCl and AgBr

4. ✖ AgBr and AgI

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Question Number : 72 Question Id : 6789133372 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

_____ has very low melting point.

Options :

1. ✖ Ba

2. ✖ Na

3. ✖ K

4. ✔ Ga

Question Number : 73 Question Id : 6789133373 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following metals can form an amphoteric oxide?

Options :

1. ✖ Na

2. ✖ Ca

3. ✖ Cu

4. ✔ Al

Question Number : 74 Question Id : 6789133374 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Dobereiner made the first observations on _____ as a catalyst.

Options :

1. ✖ Ag

2. ✖ Au

3. ✔ Pt

4. ✖ Ni

Question Number : 75 Question Id : 6789133375 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Modern periodic table has:

Options :

1. ✖ 7 groups and 18 periods

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2. ✔ 18 groups and 7 periods

3. ✖ 7 periods 8 groups

4. ✖ 8 periods 7 groups

Question Number : 76 Question Id : 6789133376 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Amphibians have:

Options :

1. ✔ glandular skin without feathers.

2. ✖ glandular skin with hair.

3. ✖ dry and non-glandular skin with feathers.

4. ✖ dry and non-glandular skin with scales.

Question Number : 77 Question Id : 6789133377 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Muscle/muscular tissue is responsible for _____ in our body.

Options :

1. ✖ growth

2. ✖ breathing

3. ✖ drinking

4. ✔ movements

Question Number : 78 Question Id : 6789133378 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following in Biology is the energy currency of cells?

Options :

1. ✖ ADP

2. ✔ ATP

3. ✖ PTA

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4. ✖ PAD

Question Number : 79 Question Id : 6789133379 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The female germ-cells or eggs are made in the:

Options :

1. ✖ Vagina

2. ✔ Ovaries

3. ✖ Uterus

4. ✖ Cervix

Question Number : 80 Question Id : 6789133380 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In the nineteenth century, _____ came up with the idea of evolution of species by natural selection.

Options :

1. ✖ Johann Mendel

2. ✔ Charles Darwin

3. ✖ Johann Dobereiner

4. ✖ John Dalton

Question Number : 81 Question Id : 6789133381 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who was the Indian para-athlete to have been awarded the Rajiv Gandhi Khel Ratna in 2017?

Options :

1. ✔ Devendra Jhajharia

2. ✖ Varun Bhati

3. ✖ Mariyappan Thangavelu

4. ✖ Deepa Malik

Question Number : 82 Question Id : 6789133382 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who won the man of the match award in the 2018 ICC Under-19 Cricket World Cup finals?

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Options :

1. ✗ Ishan Porel

2. ✓ Manjot Kalra

3. ✗ Shiva Singh

4. ✗ Ankul Roy

Question Number : 83 Question Id : 6789133383 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which team won the Ranji Trophy in the year 2017?

Options :

1. ✗ Delhi

2. ✗ Tamilnadu

3. ✓ Vidarbha

4. ✗ Haryana

Question Number : 84 Question Id : 6789133384 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Identify Indian author Aditi Khorana's 2017 book, which is a retelling of an Indian folk tale?

Options :

1. ✗ 'A Life of Adventure and Delight'

2. ✗ 'A Crown of Wishes'

3. ✓ 'The Library of Fates'

4. ✗ 'No Other World'

Question Number : 85 Question Id : 6789133385 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following states hosted the 7^{th} edition of the Rashtriya Sanskriti Mahotsav (RSM)?

Options :

1. ✗ Andhra Pradesh

2. ✗ Kerala

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3. ✖ Tamil Nadu

4. ✔ Karnataka

Question Number : 86 Question Id : 6789133386 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

"Mohiniyattam" is a dance form popular in which of the following state?

Options :

1. ✖ Karnataka

2. ✖ Rajasthan

3. ✔ Kerala

4. ✖ Telangana

Question Number : 87 Question Id : 6789133387 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who is the founder chairman of Pallium India, a palliative care NGO, who is a Padma Shri and often referred to as the 'father of palliative care in India'?

Options :

1. ✖ Sanduk Ruit

2. ✔ MR Rajagopal

3. ✖ Rani Bang

4. ✖ Bhakti Yadav

Question Number : 88 Question Id : 6789133388 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which is the host country of World Environment Day 2018?

Options :

1. ✖ England

2. ✖ China

3. ✔ India

4. ✖ Pakistan

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Question Number : 89 Question Id : 6789133389 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Name the young CEO of the South India-based idli batter company ID Special Foods Pvt Ltd. who was recently invited to address the students of Harvard University.

Options :

1. ✗ Sunny Varkey

2. ✗ RC Subramoniam

3. ✗ Anand Sattanathan

4. ✓ PC Mustafa

Question Number : 90 Question Id : 6789133390 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

As of March 2018, who is the 21st Chief Minister of Uttar Pradesh?

Options :

1. ✓ Yogi Adityanath

2. ✗ Akhilesh Yadav

3. ✗ Mayawati

4. ✗ Mulayam Singh Yadav

Question Number : 91 Question Id : 6789133391 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who is the Chief Minister of Sikkim as of August 2018?

Options :

1. ✗ Biplab Deb

2. ✗ Manik Sarkar

3. ✓ Pavan Kumar Chamling

4. ✗ Conrad Sangma

Question Number : 92 Question Id : 6789133392 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following national political parties have the clock as its party symbol?

Options :

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1. ✖ All India Trinamool Congress

2. ✖ Bahujan Samaj Party

3. ✖ Indian National Congress

4. ✔ Nationalist Congress Party

Question Number : 93 Question Id : 6789133393 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who was the prime minister of India during the Pokhran-II nuclear tests held in 1998?

Options :

1. ✖ Rajeev Gandhi

2. ✔ A. B. Vajpayee

3. ✖ Manmohan Singh

4. ✖ P. V. Narasimha Rao

Question Number : 94 Question Id : 6789133394 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

_____ was the court poet of Harshavardhana.

Options :

1. ✖ Jayadeva

2. ✖ Chand Bardai

3. ✔ Banabhatta

4. ✖ Bilhana

Question Number : 95 Question Id : 6789133395 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

King Ashoka was the son of _____ who belonged to the Maurya dynasty.

Options :

1. ✖ Chandragupta Maurya

2. ✖ Bimbisara

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3. ✔ Bindusara

4. ✖ Chandragupta II

Question Number : 96 Question Id : 6789133396 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following is the capital of Belarus?

Options :

1. ✖ Baku

2. ✖ Brussels

3. ✔ Minsk

4. ✖ Moronic

Question Number : 97 Question Id : 6789133397 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

India is divided into _____ physiographical regions.

Options :

1. ✔ 6

2. ✖ 4

3. ✖ 7

4. ✖ 5

Question Number : 98 Question Id : 6789133398 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

India's first National Wildlife Genetic Resource Bank was inaugurated by:

Options :

1. ✖ Narendra Modi

2. ✖ Rajnath Singh

3. ✖ Ramkumar Kovind

4. ✔ Dr Harsh Vardhan

Question Number : 99 Question Id : 6789133399 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 plantations recorded the highest ever production and export in 2018?

Options :

1. ✖ Coffee

2. ✖ Sugarcane

3. ✔ Tea

4. ✖ Millets

Question Number : 100 Question Id : 6789133400 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

As of 2018, who is the Chief Economic Advisor of India?

Options :

1. ✖ Raghuram Rajan

2. ✔ Arvind Subramanian

3. ✖ Kaushik Basu

4. ✖ Arvind Virmani

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