Career Railways

Question Paper Preview

Notations :

1.Options shown in green color and with ✔ icon are correct.

2.Options shown in red color and with ✖ icon are incorrect.

Question Paper Name:	RRB Level 1 30th Oct 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?:	No
Highlighter:	No
Auto Save on Console?:	No

Display Number Panel:	Yes
Group All Questions:	No

Question Number : 1 Question Id : 6789135101 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Rationalize the denominator of $\frac{1}{(3\sqrt{3}+2)}$

Options :

1. ✖ $\left(\frac{3\sqrt{3}+2}{23}\right)$

2. ✖ $\left(\frac{3\sqrt{3}-2}{22}\right)$

3. ✔ $\left(\frac{3\sqrt{3}-2}{23}\right)$

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4. ✖ $\left(\frac{3\sqrt{3-2}}{22}\right)$

Question Number : 2 Question Id : 6789135102 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The square root of 5929 is:

Options :

1. ✖ 73

2. ✔ 77

3. ✖ 83

4. ✖ 87

Question Number : 3 Question Id : 6789135103 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A milk container is $\frac{3}{5}$ full. When 20 litres of milk is drawn from it, it is $\frac{7}{12}$ full. What is the capacity of the container?

Options :

1. ✖ 1000 litres

2. ✖ 1100 litres

3. ✔ 1200 litres

4. ✖ 1400 litres

Question Number : 4 Question Id : 6789135104 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The greatest number which divides 258 and 323 leaving remainder 2 and 3 respectively is:

Options :

1. ✖ 40

2. ✔ 64

3. ✖ 24

4. ✖ 132

Question Number : 5 Question Id : 6789135105 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The value of $25 + 2 + 26 + 2 + 27 + 2 - 50 + 8$ is:

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Options :

1. ✔ 42

2. ✖ 48

3. ✖ 52

4. ✖ 58

Question Number : 6 Question Id : 6789135106 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

$\sqrt[3]{0.000216} = ?$

Options :

1. ✖ 0.6

2. ✖ $2\sqrt{16}$

3. ✔ 0.06

4. ✖ 6

Question Number : 7 Question Id : 6789135107 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

To go from one place to another on Ravi had to first take the bus, then the rickshaw and walk the final stretch. He covered $\frac{7}{9}$ of the distance in the bus, and the final $\frac{2}{15}$ of it on foot. What part of the journey did Ravi go in the rickshaw?

Options :

1. ✔ $\frac{4}{45}$

2. ✖ $\frac{1}{15}$

3. ✖ $\frac{1}{9}$

4. ✖ $\frac{2}{45}$

Question Number : 8 Question Id : 6789135108 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If the sum of the square roots of two integers is $\sqrt{18 + 8\sqrt{5}}$, what is the sum of the squares of the two integers?

Options :

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1. ✖ 624

2. ✖ 144

3. ✔ 164

4. ✖ 388

Question Number : 9 Question Id : 6789135109 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In two containers the ratio of honey and water are 4 : 3 and 6 : 7 respectively. In order to get the ratio of honey and water in equal proportions in another container, how much mixture (in litre) from the second container is to be added with 3.5 litre of mixture from the first container?

Options :

1. ✖ 6 litre

2. ✔ 6.5 litre

3. ✖ 7 litre

4. ✖ 7.5 litre

Question Number : 10 Question Id : 6789135110 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A father distributes ₹ 2,345 among his three sons in such a way that his eldest son gets one-fifth of the sum and the balance is distributed in the ratio 3 : 4 between his second and third sons. How much money (in rupees) does the third son get?

Options :

1. ✖ 469

2. ✖ 804

3. ✔ 1,072

4. ✖ 1,234

Question Number : 11 Question Id : 6789135111 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Sharath bought two bags for ₹ 900. He sold one at a profit of 25% and the other at a loss of 25%. If the selling price of both the bags is the same, the cost prices of the bags are:

Options :

1. ✖ ₹ 347.5 and ₹ 552.5, respectively

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2. ✗ ₹ 437.5 and ₹ 462.5, respectively

3. ✓ ₹ 337.5 and ₹ 562.5, respectively

4. ✗ ₹ 330 and ₹ 570, respectively

Question Number : 12 Question Id : 6789135112 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A man sells two houses at the rate of ₹ 1.995 lakh each. He makes a profit of 5% on one house and incurs a loss of 5% on the other house. His gain or loss percent in the whole transaction is:

Options :

1. ✗ 0.05% loss

2. ✗ 0.15% gain

3. ✗ 0.25% gain

4. ✓ 0.25% loss

Question Number : 13 Question Id : 6789135113 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

X and Y together finish a work in 12 days. X alone can do that work in 20 days. If every day X do work for half day only, then how many days will X and Y take to finish the work together?

Options :

1. ✓ 17 and 1/7 days

2. ✗ 18 and 3/7 days

3. ✗ 16 and 6/7 days

4. ✗ 17 and 4/7 days

Question Number : 14 Question Id : 6789135114 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A and B take 25 days and 45 days, respectively to complete a piece of work individually. A starts the work alone and B joins her a few days later. In all it takes them 20 days to complete the task. After how many days did B join work?

Options :

1. ✗ 9

2. ✗ 10

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3. ✔ 11

4. ✖ 12

Question Number : 15 Question Id : 6789135115 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A person driving at the rate of 42 km/h reaches office 2 minutes early while she reaches 5 minutes late if she drives at 36 km/h. What is the distance (in km) that she is covering?

Options :

1. ✖ 30.8

2. ✔ 29.4

3. ✖ 30.4

4. ✖ 29.6

Question Number : 16 Question Id : 6789135116 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A candidate scoring 20% in an examination fails by 35 marks while another candidate who scores 50% marks gets 32 marks more than the minimum required to pass. The total marks for the examination is:

Options :

1. ✔ $\frac{670}{3}$

2. ✖ 250

3. ✖ 450

4. ✖ 500

Question Number : 17 Question Id : 6789135117 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The side of a square flower bed is 1 m 80 cm long. It is enlarged by digging a boundary 20 cm wide all round it. Find the area of the enlarged flower bed.

Options :

1. ✔ $4.84\ m^2$

2. ✖ $4.82\ m^2$

3. ✖ $4.81\ m^2$

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4. ✖ $4.8\ m^2$

Question Number : 18 Question Id : 6789135118 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Tap A and B can fill a tank in 5 and 20 hours, respectively. Tap C can empty the same filled tank in 10 hours. If all the three taps are opened simultaneously, how much time will it take to fill the tank completely?

Options :

1. ✖ $\frac{29}{2}$ hours

2. ✔ $\frac{20}{3}$ hours

3. ✖ $\frac{17}{5}$ hours

4. ✖ $\frac{20}{6}$ hours

Question Number : 19 Question Id : 6789135119 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A farmer has a rectangular field 250 m long and 380.5 m wide. He expects sowing a variety of rice, which will yield 30 quintals per hectare and it will sell in the market at ₹ 620 per quintal. Calculate his expected income?

Options :

1. ✖ ₹ 176923.5

2. ✖ ₹ 179632.5

3. ✖ ₹ 716932.5

4. ✔ ₹176932.5

Question Number : 20 Question Id : 6789135120 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Ram's age is twice that of his daughter's present age. If the daughter's present age is 20 years, how many years ago Ram's age was thrice that of his daughter?

Options :

1. ✖ 12 years, zero month

2. ✖ 10 year, 8 months

3. ✖ 12 years, 4 months

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4. ✔ 10 years, zero months

Question Number : 21 Question Id : 6789135121 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

$\frac{\tan 45^\circ}{1+\cos 45^\circ} + \frac{1+\sin 45^\circ}{\cot 45^\circ} = ?$

Options :

1. ✔ $3 - \frac{\sqrt{2}}{2}$

2. ✖ $\sqrt{2}$

3. ✖ $-\frac{\sqrt{2}}{2}$

4. ✖ $3 - 2\sqrt{2}$

Question Number : 22 Question Id : 6789135122 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The ratio of the angles of a quadrilateral is 3 : 5 : 7 : 9. Find out the largest angle.

Options :

1. ✖ 180°

2. ✖ 140°

3. ✖ 120°

4. ✔ 135°

Question Number : 23 Question Id : 6789135123 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If α and β are complementary angles and $\text{cosec}\ \alpha = \frac{5}{3}$, then find the value of $\sin\alpha\ \cos\beta - \cos\alpha \sin\beta$.

Options :

1. ✖ $\frac{7}{25}$

2. ✔ $\frac{-7}{25}$

3. ✖ $\frac{25}{7}$

4. ✖ $\frac{-25}{7}$

Question Number : 24 Question Id : 6789135124 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In ΔABC, $\angle B = 90°$. Then which of the following is correct?

Options :

1. ✖ $\tan C = \frac{AC}{AB}$

2. ✖ $\cos C = \frac{AC}{AB}$

3. ✔ $\sin C = \frac{AB}{AC}$

4. ✖ $\sec C = \frac{AB}{BC}$

Question Number : 25 Question Id : 6789135125 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If $3x^2 + 2ax + 4b$ when divided by $x + 3$ leaves a remainder of 15, and $2x^2 + 3bx + 5a$ when divided by $x - 3$ leaves a remainder of 65, then what is the value of $a + b$?

Options :

1. ✖ 9

2. ✖ 6

3. ✔ 7

4. ✖ 11

Question Number : 26 Question Id : 6789135126 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In the following, there is a certain relation between two given words on one side of :: and one word is given on another side of ::. While another word is to be found from the given alternatives, having the same relation with this word as the words of the given pair below, choose the best alternative.

JACKED : AKDJEC :: BRAZEN : _____

Options :

1. ✖ RZNBAE

2. ✔ RZNBEA

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3. ✖ RNZBEA

4. ✖ RNZAEB

Question Number : 27 Question Id : 6789135127 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.

Green : Color :: Apple : _____

Options :

1. ✖ Red

2. ✔ Fruit

3. ✖ Sweet

4. ✖ Round

Question Number : 28 Question Id : 6789135128 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In a code language, ATE is written as ZGV. What is the code for PEEL?

Options :

1. ✔ KVVO

2. ✖ KUUO

3. ✖ KWWO

4. ✖ KXXO

Question Number : 29 Question Id : 6789135129 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Select the option that is related to the third word on the same basis as the second word is related to the first word.

Stagnant : Flow :: Clarity : ?

Options :

1. ✔ Delusion

2. ✖ Mission

3. ✖ Goal

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4. ✖ Decide

Question Number : 30 Question Id : 6789135130 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Given below are three statements followed by two conclusions numbered I and II. You have to consider the statements to be true, even if they seem to be at variance from commonly known facts. Decide which of the conclusions follow/s from the statements.

Statements:

1) All carpets are red.

2) All carpets are usually not woollen.

3) Some woollen are soft.

Conclusions:

I. No carpet is soft.

II. Some carpets may be woollen.

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

Options :

1. Only conclusion I follows

2. Only conclusion II follows

3. Both conclusions I and II follow

4. Neither conclusion I nor II follow

Question Number : 31 Question Id : 6789135131 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 monkey is an ape.

II. No ape is a human.

Conclusions:

1. Some monkeys can be apes.

2. All apes can be humans.

Options :

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1. ✖ Only conclusion 1 follows

2. ✖ Only conclusion 2 follows

3. ✖ Both 1 and 2 follows

4. ✔ Neither 1 nor 2 follows

Question Number : 32 Question Id : 6789135132 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Consider the following statement 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 statement.

Statement:

This year, a large number of Class 12 students passed due to an extremely easy question paper.

Conclusions:

1. The authority had checked the question paper quality to ensure that the question paper was balanced.
2. Easy question papers must be set in the future as well so that many students will pass and go to professional colleges.

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 : 33 Question Id : 6789135133 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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

Statement:

"Use this fairness cream and notice a two shade lighter tone in a week," an advertisement states.

Assumptions:

I. The assurance is not genuine.

II. People like to be fair skinned.

Options :

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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 : 6789135134 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which assumptions are implied from the below statement?

As part of project work, the Class V Science teacher asked the students to visit the zoo this month.

Assumptions:

I. The teacher wants children to learn about animals.

II. The teacher wants the children to see live animals.

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 : 35 Question Id : 6789135135 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Consider the statement and the following arguments and decide which of the arguments is/are strong with respect to the statement.

Statement:

Should water bodies be checked for constant pollutants from the atmoshphere?

Arguments:

I. Yes, it will ensure better water resources for nearby areas and underground water bed would be maintained

II. No, there is no need to check. Once there is rain, all dirt will be washed away.

Options :

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1. ✔ Only argument I is strong

2. ✖ Only argument II is strong

3. ✖ Both arguments I and II are strong

4. ✖ Neither I nor II is strong

Question Number : 36 Question Id : 6789135136 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In the following Geometric progressive series, What will be the 10^{th} term?

4, 8, 16,…

Options :

1. ✖ 2018

2. ✖ 2032

3. ✔ 2048

4. ✖ 3207

Question Number : 37 Question Id : 6789135137 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

ABCDEFGHIJKLMNOPQRSTUVWXYZ

The alphabets at the positions 5, 15, 16, 18 and 23 are picked to form a meaningful word. The second letter of the word is:

Options :

1. ✖ P

2. ✖ R

3. ✖ W

4. ✔ O

Question Number : 38 Question Id : 6789135138 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If × means +, + means ÷ , – means × and ÷ means –, then what is the value of 11 × 2 – 12 + 2 ÷ 7 = ?

Options :

1. ✖ 20

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2. ✔ 16

3. ✖ 23

4. ✖ 25

Question Number : 39 Question Id : 6789135139 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Complete the series by choosing the correct option.

TABCT,TZYXT,TBCDT,TYXWT, _____, _____

Options :

1. ✖ TCDET,TYXZT

2. ✖ TCDET,TXYZT

3. ✔ TCDET,TXWVT

4. ✖ TEFGT,TXYZT

Question Number : 40 Question Id : 6789135140 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:

T, Y, R, V and S are standing in a line according to ascending order of their weights. Who is standing in the middle?

Statements:

1. T is heavier than Y and V is lighter than Y.
2. S is heavier than R and R is heavier than T.

Options :

1. ✖ Statement 1 alone is sufficient.

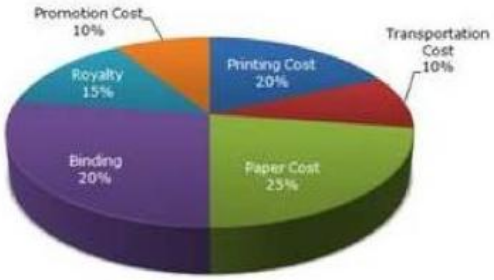
2. ✖ Statements 1 and 2 together are insufficient.

3. ✖ Statement 2 alone is sufficient.

4. ✔ Statements 1 and 2 together are sufficient.

Question Number : 41 Question Id : 6789135141 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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The pie graph represents the expenditure of a publishing house in Karnataka

The central angle of the sector corresponding to the expenditure of paper is _____ degrees.

Options :

1. ✖ 72

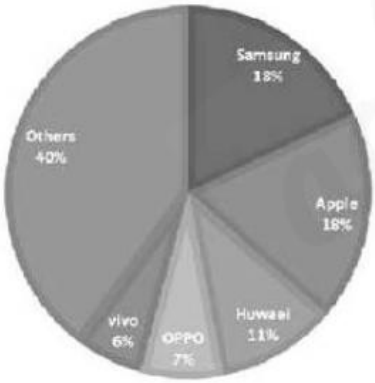
2. ✖ 54

3. ✖ 36

4. ✔ 90

Question Number : 42 Question Id : 6789135142 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The given pie chart represents the total sales by different mobile companies in the year 2017.



If the total sales in the year 2017 were ₹ 5,000 crores, then the sales by 'Other' companies was _____ crores.

Options :

1. ✖ ₹ 1,000

2. ✔ ₹ 2,000

3. ✖ ₹ 3,500

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4. ✖ ₹ 2,500

Question Number : 43 Question Id : 6789135143 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Two brothers run a sweet shop. At the end of the year, they made a 50% profit on their initial investment. They invested ₹ 4,00,000 at the start of the year. On an average, how much did they earn each quarter?

Options :

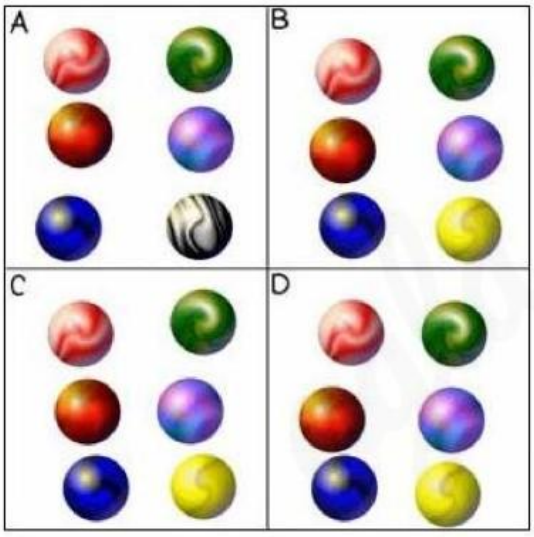
1. ✖ ₹ 60,000

2. ✖ ₹ 45,000

3. ✖ ₹ 30,000

4. ✔ ₹ 50,000

Question Number : 44 Question Id : 6789135144 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:

Options :

1. ✔ A

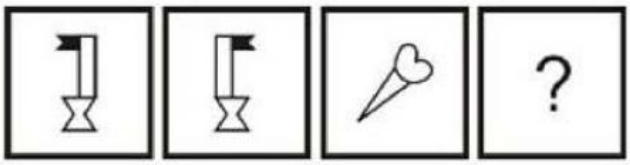
2. ✖ B

3. ✖ C

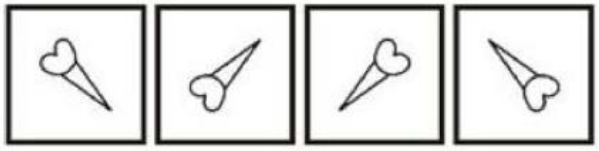
4. ✖ D

Question Number : 45 Question Id : 6789135145 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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Choose the correct picture from the below options which fit the blank space (?) above.



A B C D

Options :

1. ✔ A

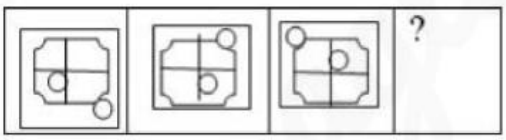
2. ✖ B

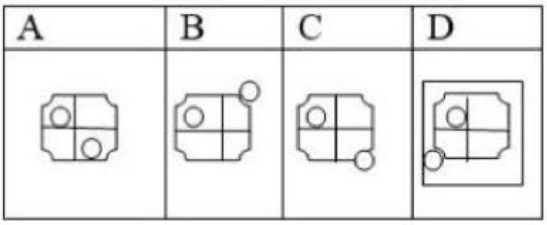
3. ✖ C

4. ✖ D

Question Number : 46 Question Id : 6789135146 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Identify the pattern that will follow next.





Options :

1. ✖ A

2. ✖ B

3. ✖ C

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4. ✔ D

Question Number : 47 Question Id : 6789135147 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
5/E	T/20	10/J	15/O

Options :

1. ✖ A

2. ✔ B

3. ✖ C

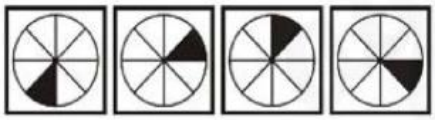
4. ✖ D

Question Number : 48 Question Id : 6789135148 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Choose the correct picture from the answer figures that will follow next in the sequence of the given five pictures.



Answer figures:



A B C D

Options :

1. ✖ A

2. ✔ B

3. ✖ C

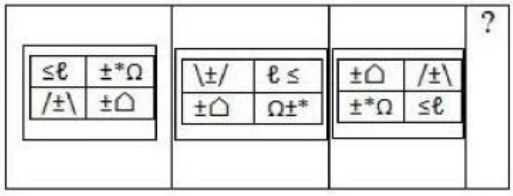
4. ✖ D

Question Number : 49 Question Id : 6789135149 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

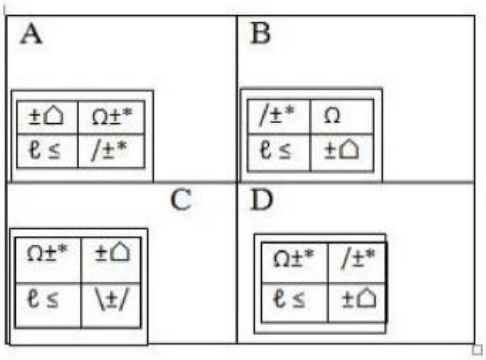
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Select the option figure that will complete the series of question figures.

Question figures:



Option Figures:



Options :

1. ✖ A

2. ✖ B

3. ✔ C

4. ✖ D

Question Number : 50 Question Id : 6789135150 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical



The number of triangles in the above figure is:

Options :

1. ✖ 11

2. ✔ 10

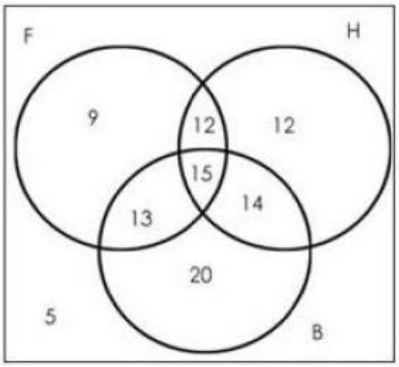
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3. ✖ 8

4. ✖ 9

Question Number : 51 Question Id : 6789135151 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical



The diagram shows the number of students who play football (F), hockey(H) and basketball(B) in a class.

The total number of students who play B and H but not F is:

Options :

1. ✖ 29

2. ✖ 32

3. ✖ 46

4. ✔ 14

Question Number : 52 Question Id : 6789135152 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In a group of boys, 22 like sweets, 10 like puff and 10 like cake. 3 like all the three items. 7 like at least two of the items. How many like exactly one item?

Options :

1. ✖ 38

2. ✖ 35

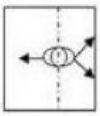
3. ✖ 24

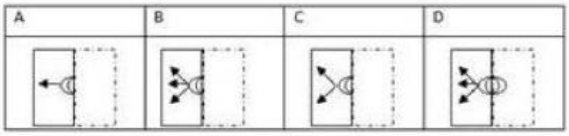
4. ✔ 25

Question Number : 53 Question Id : 6789135153 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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Which pattern will the given transparent sheet resemble when it is folded at the dotted line?





Options :

1. ✖ A

2. ✔ B

3. ✖ C

4. ✖ D

Question Number : 54 Question Id : 6789135154 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Mr. X runs a marathon starting from the point A. He runs 5 km towards north and reaches point B; then turns right, runs 6 km and reaches point C; then turns right, runs 8 km and reaches point D; then turns right, runs 10 km and reaches point E; then turns right, runs 6 km and reaches point F; then turns right, runs 1 km and reaches point G and finally turns right, runs 3 km and reaches point H.
At point F which direction was Mr. X facing?

Options :

1. ✖ East

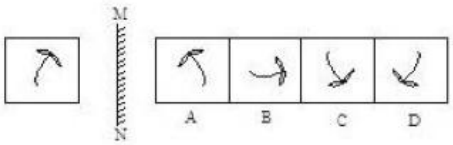
2. ✖ West

3. ✔ North

4. ✖ South

Question Number : 55 Question Id : 6789135155 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

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2. ✖ B

3. ✖ C

4. ✖ D

Question Number : 56 Question Id : 6789135156 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The mass of the earth is _____.

Options :

1. ✖ 6×10^{22} kg

2. ✖ 6×10^{23} kg

3. ✔ 6×10^{24} kg

4. ✖ 6×10^{25} kg

Question Number : 57 Question Id : 6789135157 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A ball thrown up vertically returns to the ground after 12.5 seconds. Find the velocity with which it was thrown up. $(g = 10\ ms^{-2})$

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

Options :

1. 125 m

2. 65 m

3. 12.5 m

4. 10 m

Question Number : 58 Question Id : 6789135158 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If a body covers unequal distances in equal intervals of time, it is said to be in _____.

Options :

1. ✔ Non-uniform motion

2. ✖ Uniform motion

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3. ✖ Translatory motion

4. ✖ Rotatory motion

Question Number : 59 Question Id : 6789135159 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Select the INCORRECT statement(s) from the following.

A. The value of G is one-sixth on the moon as compared to that on the earth.

B. The value of G on the moon is equal to that on the earth.

C. 40.02×10^{-11}N is the force of gravitation between two point masses of 2 kg and 3 kg kept 1 m apart.

D. Force is directly proportional to the product of the masses to two bodies.

Options :

1. ✖ Only C

2. ✔ Only A

3. ✖ B, C and D

4. ✖ Only C and D

Question Number : 60 Question Id : 6789135160 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following increases or decreases with height?

Options :

1. ✖ Mechanical energy

2. ✖ Chemical energy

3. ✖ Nuclear energy

4. ✔ Potential energy

Question Number : 61 Question Id : 6789135161 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In which of the following cases, a person will have maximum potential energy?

Options :

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1. ✖ Sitting on the ground

2. ✖ Sitting on a chair

3. ✖ Sitting on a table

4. ✔ Sitting on a terrace

Question Number : 62 Question Id : 6789135162 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If an electric appliance consumes 1000 joule of energy in one second and runs for one hour, how much electricity will it consume?

Options :

1. ✖ It will consume 1unit of electricity, i.e. 1 Wh of electricity.

2. ✖ It will consume 1unit of electricity, i.e. 100 kWh of electricity.

3. ✖ It will consume 1unit of electricity, i.e. 10 kWh of electricity.

4. ✔ It will consume 1unit of electricity, i.e. 1 kWh of electricity.

Question Number : 63 Question Id : 6789135163 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The phenomenon whereby a ray of light incident on a polished surface returns in the same medium after meeting the surface is called:

Options :

1. ✖ refraction

2. ✔ reflection

3. ✖ rarefaction

4. ✖ diffraction

Question Number : 64 Question Id : 6789135164 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What are the roofs and walls of auditoriums generally covered with to reduce reverberation?

Options :

1. ✔ Fibreboard

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2. ✖ Rubber

3. ✖ Metal

4. ✖ Plastic

Question Number : 65 Question Id : 6789135165 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which instrument is used for measuring electric current?

Options :

1. ✖ Galvanometer

2. ✔ Ammeter

3. ✖ Voltmeter

4. ✖ Potentiometer

Question Number : 66 Question Id : 6789135166 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A current of 0.75 A is drawn by a filament of an electric bulb for 1 minute. Find the amount of electric charge that flows through the current.

Options :

1. ✖ 225 C

2. ✖ 240 C

3. ✔ 45 C

4. ✖ 495 C

Question Number : 67 Question Id : 6789135167 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Diffusion takes place most rapidly in _____.

Options :

1. ✖ solids

2. ✔ gases

3. ✖ liquids

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4. ✖ plasma

Question Number : 68 Question Id : 6789135168 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The idea of divisibility of matter was considered long back in _____.

Options :

1. ✖ Greece

2. ✖ China

3. ✖ Russia

4. ✔ India

Question Number : 69 Question Id : 6789135169 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A spherical mirror and a thin spherical lens each has focal length of -20 cm. In such a scenario, which of the following is likely to be true?

Options :

1. ✖ The mirror is concave and the lens is convex.

2. ✔ The mirror is convex and the lens is concave.

3. ✖ Both are convex.

4. ✖ Both are concave.

Question Number : 70 Question Id : 6789135170 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What is rancidity?

Options :

1. ✖ Ripening of fruits

2. ✖ Bleaching

3. ✖ Acid rains

4. ✔ Oxidation of fatty acids

Question Number : 71 Question Id : 6789135171 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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Which one of the following is NOT true of acid?

Options :

1. ✔ Furnishes OH^- in aqueous medium/molten state

2. ✖ Sour in taste

3. ✖ Turns blue litmus red

4. ✖ Reacts with metals and bicarbonates to produce H_2, CO_2 and salt.

Question Number : 72 Question Id : 6789135172 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

_____ is NOT a thermoplastic polymer.

Options :

1. ✖ Teflon

2. ✔ Bakelite

3. ✖ Polystyrene

4. ✖ Polyvinyl Chloride (PVC)

Question Number : 73 Question Id : 6789135173 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Carbon shows _____ because carbon is tetravalent and forms covalent bond.

Options :

1. ✖ allotropy

2. ✔ catenation

3. ✖ hydrocarbon

4. ✖ single covalent bond

Question Number : 74 Question Id : 6789135174 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The 1^{st} group elements are called:

Options :

1. ✔ Alkali metals

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2. ✖ Alkaline metals

3. ✖ Noble gases

4. ✖ Halogens

Question Number : 75 Question Id : 6789135175 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the INCORRECT statement among the following.

Options :

1. ✖ The first ionisation potential of Al is less than the first ionisation potential of Mg.

2. ✔ The second ionisation potential of Mg is greater than the second ionisation potential of Na.

3. ✖ The first ionisation potential of Na is less than the first ionisation potential of Mg.

4. ✖ The third ionisation potential of Mg is greater than third ionisation potential of Na.

Question Number : 76 Question Id : 6789135176 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

_____ is probably the largest group of animals.

Options :

1. ✖ Nematoda

2. ✖ Annelida

3. ✔ Arthropoda

4. ✖ Mollusca

Question Number : 77 Question Id : 6789135177 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following has a body made of two layers of cells?

Options :

1. ✖ Liver fluke

2. ✖ Planaria

3. ✔ Hydra

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4. ✖ Tapeworm

Question Number : 78 Question Id : 6789135178 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The process of breathing involves:

Options :

1. ✖ Induction and deduction

2. ✔ Inspiration and expiration

3. ✖ Cellular respiration and fermentation

4. ✖ Inflation and dilation

Question Number : 79 Question Id : 6789135179 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following organisms reproduces by multiple fission?

Options :

1. ✖ Hydra

2. ✖ Planaria

3. ✔ Plasmodium

4. ✖ Spirogyra

Question Number : 80 Question Id : 6789135180 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Study of the evolution of human beings indicates that all of us belong to a single species that evolved in _____.

Options :

1. ✖ West Asia

2. ✖ Central Asia

3. ✔ Africa

4. ✖ America

Question Number : 81 Question Id : 6789135181 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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Manu Bhaker secured women`s quota place for the 2018 Youth Olympic Games (YOG). Which of the following sports is she associated with?

Options :

1. ✔ Shooting

2. ✖ Sprinting

3. ✖ Wrestling

4. ✖ Boxing

Question Number : 82 Question Id : 6789135182 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

India`s top ranked player Aakarshi Kashyap is associated with which sport?

Options :

1. ✖ Cricket

2. ✔ Badminton

3. ✖ Boxing

4. ✖ Football

Question Number : 83 Question Id : 6789135183 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who was appointed as Asia's representative in the Athletes Advisory Commission of the Commonwealth Games Federation (CGF) in July 2018?

Options :

1. ✖ Saina Nehwal

2. ✔ Dipika Pallikal

3. ✖ Sania Mirza

4. ✖ P V Sindhu

Question Number : 84 Question Id : 6789135184 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

_____ is touted as Karnataka's first 3D animation film.

Options :

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1. ✖ Chhota Chetan

2. ✖ Man on Mars

3. ✖ Roadside Romeo

4. ✔ Slick Rick

Question Number : 85 Question Id : 6789135185 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 'One Indian Girl'?

Options :

1. ✖ K. Natwar Singh

2. ✔ Chetan Bhagat

3. ✖ M.M. Agrawal

4. ✖ Twinkle Khanna

Question Number : 86 Question Id : 6789135186 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which movie has won the Best film on Environment conservation in National film awards, 2017?

Options :

1. ✖ Pink

2. ✖ Kaasav

3. ✖ Hindi medium

4. ✔ Loktak

Question Number : 87 Question Id : 6789135187 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who amongst the following is the new President of South Africa?

Options :

1. ✖ Jacob Zuma

2. ✖ Julius Malema

3. ✔ Cyril Ramaphosa

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4. ✖ Baleka Mbete

Question Number : 88 Question Id : 6789135188 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which union minister inaugurated the 2018 ASEAN-India Pravasi Bharatiya Divas (PBD)?

Options :

1. ✖ Piyush Goyal

2. ✖ Gopinath Munde

3. ✔ Nitin Gadkari

4. ✖ Ravi Shankar Prasad

Question Number : 89 Question Id : 6789135189 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The present Chief minister of Karnataka, H.D. Kumaraswamy is from which Political party?

Options :

1. ✖ BJP

2. ✖ Congress

3. ✔ Janata Dal (Secular)

4. ✖ AIADMK

Question Number : 90 Question Id : 6789135190 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The correct full form of NALSA is:

Options :

1. ✖ National Legal Supreme Authority

2. ✖ National Legal Safety Authority

3. ✔ National Legal Services Authority

4. ✖ National Legal Service Affairs

Question Number : 91 Question Id : 6789135191 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

After Ashok Gajapathi Raju quit as Civil Aviation Minister in March 2018, who is now directly in charge of the Civil Aviation Ministry?

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

Options :

1. Arun Jaitley

2. Narendra Modi

3. Sushma Swaraj

4. Rajnath Singh

Question Number : 92 Question Id : 6789135192 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following Indian states does the political leader Nitish Kumar hail from?

Options :

1. ✖ Uttar Pradesh

2. ✖ Chhattisgarh

3. ✖ Uttarakhand

4. ✔ Bihar

Question Number : 93 Question Id : 6789135193 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In the 2014 Lok Sabha elections, Narendra Modi was elected from which constituency?

Options :

1. ✖ Ahmedabad

2. ✖ Gandhinagar

3. ✔ Varanasi

4. ✖ New Delhi

Question Number : 94 Question Id : 6789135194 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The battles of Plassey and Buxar established English rule over _____.

Options :

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1. ✖ Orissa

2. ✖ Oudh

3. ✔ Bengal

4. ✖ Bihar

Question Number : 95 Question Id : 6789135195 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The kingdom of _____ was founded by Anangpal Tomar of the Rajput dynasty.

Options :

1. ✔ Delhi

2. ✖ Gujarat

3. ✖ Ajmer

4. ✖ Malwa

Question Number : 96 Question Id : 6789135196 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Gir National Park is in _____.

Options :

1. ✖ Madhya Pradesh

2. ✖ Rajasthan

3. ✔ Gujarat

4. ✖ Chhattisgarh

Question Number : 97 Question Id : 6789135197 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In which Indian state is Bodhgaya located?

Options :

1. ✖ Jharkhand

2. ✔ Bihar

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3. ✖ Odisha

4. ✖ West Bengal

Question Number : 98 Question Id : 6789135198 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who was the first Finance Minister of independent India?

Options :

1. ✖ Rajendra Prasad

2. ✖ Sardar Vallabhbhai Patel

3. ✔ R.K.Shanmukham Chetty

4. ✖ B.R.Ambedkar

Question Number : 99 Question Id : 6789135199 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The term e-NAM seen in the news recently is related to which of the following?

Options :

1. ✖ Stock market

2. ✖ Customs

3. ✔ Agriculture market

4. ✖ Excise

Question Number : 100 Question Id : 6789135200 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

From which of the following places ISRO has launched 31 satellites in a single mission?

Options :

1. ✖ Bengaluru

2. ✖ Ahmedabad

3. ✖ Bhopal

4. ✔ Sriharikota