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 5th 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 : 6913522901 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following fractions will yield a recurring decimal?

Options :

1. ✖ $\frac{27}{48}$

2. ✖ $\frac{27}{60}$

3. ✖ $\frac{27}{72}$

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4. ✔ $\frac{27}{84}$

Question Number : 2 Question Id : 6913522902 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What is the count of prime numbers between 1 to 50?

Options :

1. ✖ 14

2. ✔ 15

3. ✖ 16

4. ✖ 17

Question Number : 3 Question Id : 6913522903 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What is the value of x.?

$$\frac{144}{1.44} = \frac{14.4}{x}$$

Options :

1. ✖ 0.0144

2. ✖ 0.00144

3. ✔ 0.144

4. ✖ 1.44

Question Number : 4 Question Id : 6913522904 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What must be added to $\frac{3}{5}$ to obtain $\frac{5}{4}$?

Options :

1. ✖ $\frac{2}{-1}$

2. ✔ $\frac{13}{20}$

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3. ✖ $\frac{1.25}{0.6}$

4. ✖ $\frac{15}{20}$

Question Number : 5 Question Id : 6913522905 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The square root of 16900 is:

Options :

1. ✖ 140

2. ✔ 130

3. ✖ 120

4. ✖ 110

Question Number : 6 Question Id : 6913522906 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Rationalize denominator of $1 / (5 - 2\sqrt{3})$.

Options :

1. ✖ $\frac{(5-2\sqrt{3})}{12}$

2. ✔ $\frac{5+2\sqrt{3}}{13}$

3. ✖ $\frac{(5-2\sqrt{3})}{13}$

4. ✖ $\frac{5+2\sqrt{3}}{12}$

Question Number : 7 Question Id : 6913522907 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

$161 \div [27 - \{88 \div (25 - 135 \div \overline{15 \times 3})\}] = ?$

Options :

1. ✖ 3

2. ✖ 4

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3. ✔ 7

4. ✖ 23

Question Number : 8 Question Id : 6913522908 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The sum of a number and its reciprocal is 20. What would be the sum of cubes of the two (the number and its reciprocal)?

Options :

1. ✔ 7940

2. ✖ 8000

3. ✖ 8040

4. ✖ 8060

Question Number : 9 Question Id : 6913522909 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

By selling a book for ₹ 320 a seller incurs a loss of 20%. How much percentage would he gain or lose by selling the book for ₹ 380?

Options :

1. ✖ Loss, 10%

2. ✖ Profit, 5%

3. ✖ Profit, 10%

4. ✔ Loss, 5%

Question Number : 10 Question Id : 6913522910 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A number when increased by 20% gives 6510. Find the original number.

Options :

1. ✖ 6185

2. ✔ 5425

3. ✖ 7812

4. ✖ 4835

Question Number : 11 Question Id : 6913522911 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

How much will an amount of ₹ 2500 increase after 3 years when the interest is compounded annually at the rate of 20% per annum?

Options :

1. ✖ ₹ 4200

2. ✖ ₹ 4230

3. ✔ ₹ 4320

4. ✖ ₹ 4310

Question Number : 12 Question Id : 6913522912 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A shopkeeper sells his used racks for ₹ 3,220, gaining one sixth of its cost price. Find the gain percentage.

Options :

1. ✖ 60

2. ✖ 100/3

3. ✔ 50/3

4. ✖ 52

Question Number : 13 Question Id : 6913522913 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

75 men can do a piece of work in 8 days. How many days will 25 men take to do it?

Options :

1. ✖ 18

2. ✖ 15

3. ✔ 24

4. ✖ 16

Question Number : 14 Question Id : 6913522914 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Raima travelled 7 km/h on foot and 12 km/h on cycle. She travelled a distance of 64 km in 7 hours. For how many hours did she cycle?

Options :

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1. ✖ 5

2. ✖ 4

3. ✔ 3

4. ✖ 2

Question Number : 15 Question Id : 6913522915 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A car can finish its journey in 8hours at the speed of 120 km/hr speed. If the same distance must be covered in 20 hours by a tractor, what should be the speed of the tractor?

Options :

1. ✖ 49 km/hr

2. ✖ 73.5 km/hr

3. ✔ 48 km/hr

4. ✖ 75.5 km/hr

Question Number : 16 Question Id : 6913522916 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

During weekends one store sells clothes at 60% discount. On Sundays it offers additional 10% discount on the discounted price. You purchased a shirt on a Sunday for ₹ 36. How much more would you have to pay had you purchased the same shirt on a Tuesday of the following month?

Options :

1. ✖ 50

2. ✔ 64

3. ✖ 57

4. ✖ 68

Question Number : 17 Question Id : 6913522917 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Two years from now Dharma's age will be 60% more than the age of Karma. The sum of their present ages is 61 years. What is Dharma's present age?

Options :

1. ✖ 41 years

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2. ✖ 36 years

3. ✔ 38 years

4. ✖ 40 years

Question Number : 18 Question Id : 6913522918 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The floor of a rectangular hall has to be covered with a 150-cm wide carpet. If the hall is 20 metres long and 18 meters wide, then what will be the cost of the required carpet at the rate of ₹ 12 per metre?

Options :

1. ✖ ₹ 2,480

2. ✖ ₹ 2,280

3. ✔ ₹ 2,880

4. ✖ ₹ 3,280

Question Number : 19 Question Id : 6913522919 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What would be the smaller of the two angles formed by the hour hand and the minute hand at 9 : 22 p.m.?

Options :

1. ✖ 150^0

2. ✖ 138^0

3. ✖ 150.5^0

4. ✔ 149^0

Question Number : 20 Question Id : 6913522920 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If the edge of a cube is increased by 1 cm, then the volume will increase by 169 cm^3. The length of each edge of the cube is:

Options :

1. ✖ 9 cm

2. ✔ 7 cm

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3. ✖ 8 cm

4. ✖ 6 cm

Question Number : 21 Question Id : 6913522921 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

When the crew of a boat looks upward at an angle of 30 degrees, he can see a balloon hovering at 600 ft above the lake. After sometime, the same crew had to look upward at an angle of 45 degrees to see the same balloon. How much distance the boat travelled in between?

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

Options :

1. $280\sqrt{2}$

2. $400\sqrt{2}$

3. $400\sqrt{3}$

4. $300\sqrt{3}$

Question Number : 22 Question Id : 6913522922 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The base of a triangle is one-fifth of the base of a parallelogram having the same area as that of the triangle. The ratio of the corresponding height of the triangle to the height of the parallelogram will be:

Options :

1. ✖ 5 : 1

2. ✖ 5 : 2

3. ✔ 10 : 1

4. ✖ 8 : 1

Question Number : 23 Question Id : 6913522923 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Solve for x where x € N :

$$(x^2 - 4x + 4)^2 = 16$$

Options :

1. ✖ 0

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2. ✖ 2

3. ✔ 4

4. ✖ −4

Question Number : 24 Question Id : 6913522924 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If sinA : cosA = 4 : 7, then the value of (7sinA − 3cosA) / (7sinA + 2cosA) is:

Options :

1. ✖ 1/3

2. ✔ 1/6

3. ✖ 3/14

4. ✖ 2/3

Question Number : 25 Question Id : 6913522925 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the value of x from the equation : $(x-5)^2-81 = 0$; $x \in N$

Options :

1. ✔ 14

2. ✖ -8

3. ✖ -4

4. ✖ 8

Question Number : 26 Question Id : 6913522926 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If in a code language GIRL is written as IGLR, then how will BIRD be written?

Options :

1. ✔ IBDR

2. ✖ BIDR

3. ✖ IBRD

4. ✖ BARD

Question Number : 27 Question Id : 6913522927 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the word that does NOT belong to the group:

Medium, Average, Terrible, Mediocre

Options :

1. ✖ Medium

2. ✖ Average

3. ✔ Terrible

4. ✖ Mediocre

Question Number : 28 Question Id : 6913522928 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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

Statements:

All boats are ships.

Some ships are big.

Conclusions:

I. All ships are boats.

II. Some boats are big.

Options :

1. ✖ Only I follows

2. ✖ Both I and II follow

3. ✖ Either I or II follows

4. ✔ Neither I nor II follows

Question Number : 29 Question Id : 6913522929 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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

Statements:

I. Some bags are leathers.

II. Some leathers are rough.

Conclusions:

1. Some leathers are bags.
2. All rough are leathers.

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 : 6913522930 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.

Sense : Logic :: Dupe : ?

Options :

1. ✖ Control

2. ✔ Con

3. ✖ Maintain

4. ✖ Manage

Question Number : 31 Question Id : 6913522931 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In a certain code, FINANCE is written as CNANIFE. How will MONEY be written as in that code?

Options :

1. ✖ ENOGT

2. ✖ YENOM

3. ✔ ENOMY

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4. ✖ NOMYT

Question Number : 32 Question Id : 6913522932 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:

Most of the roads in Bangalore is filled with pot holes during monsoon.

Conclusion:

1. Authority should find the reason for worsening of road condition during monsoon.
2. Authority should fill all the potholes and find solution for maintain good roads.

Options :

1. ✖ Only 1 follows
2. ✖ Only 2 follows
3. ✔ Both 1 and 2 follows
4. ✖ Neither 1 nor 2 follows

Question Number : 33 Question Id : 6913522933 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Consider the given 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: "Carry an umbrella. It is going to rain," tells Gopu to his son Shomu.

Assumptions:

I. Umbrella protects a person from getting wet.

II. Gopu and Shomu are family members

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 : 6913522934 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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

Statement: Mutual funds are liable for market risks.

Assumptions:

I. A person may incur loss on the investment.

II. A person may gain on the investment.

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 : 6913522935 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Read the following question and decide whether the arguments are strong for the question.

Question:

Should the intake of white sugar be reduced?

Arguments:

I. Yes, recent studies say its harmful to health.

II. No, we cannot altogether avoid white sugar, but we can be wiser as far as its consumption is concerned.

Options :

1. ✖ Both arguments I and II are strong

2. ✖ Only argument II is strong

3. ✖ Neither I nor II is strong

4. ✔ Only argument I is strong

Question Number : 36 Question Id : 6913522936 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 letter set in the given series.

GX, HW, IV, ?

Options :

1. ✖ TV

2. ✖ JN

3. ✖ UX

4. ✔ JU

Question Number : 37 Question Id : 6913522937 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which number follows in the given series?

15, 20, 18, 23, ?, 26

Options :

1. ✖ 20

2. ✔ 21

3. ✖ 31

4. ✖ 30

Question Number : 38 Question Id : 6913522938 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the 10th term in the given sequence.

-3, -8, -13, -18, ___?

Options :

1. ✖ -53

2. ✖ -43

3. ✖ -40

4. ✔ -48

Question Number : 39 Question Id : 6913522939 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Vimal's average score in 6 subjects is 56%. How much should he score in 7th subject to make the average 60%?

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

Options :

1. 88%

2. 78%

3. 92%

4. 68%

Question Number : 40 Question Id : 6913522940 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A jeweller sells two pieces of jewels for a total profit of ₹ 75,000. If the profit from one piece of jewellery is 55% of the total profit amount, what is the profit he has made from the sale of the other piece of jewellery?

Options :

1. ✖ ₹ 32,000

2. ✖ ₹ 32,750

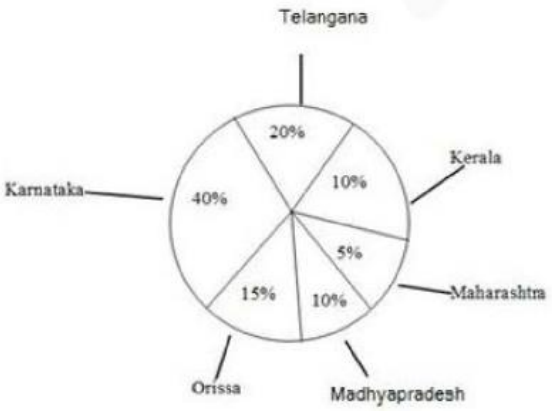
3. ✖ ₹ 33,000

4. ✔ ₹ 33,750

Question Number : 41 Question Id : 6913522941 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Study the following pie chart and answer the question that follows.

The pie chart shows information about the sales of mobile phone company XYZ in different states of India.



If the total units of mobile phone sold are 120 million, then how many units were sold in Maharashtra region (in millions)

Options :

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1. ✔ 6

2. ✖ 12

3. ✖ 18

4. ✖ 24

Question Number : 42 Question Id : 6913522942 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Read the following question and decide whether the Statements are strong for the question.

Question:

What day is 30^{th} of a given month?

Statements:

1. The last day of the month is Saturday
2. Saturday of the month is 20^{th}

Options :

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

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

3. ✖ Either 1 or 2 alone is sufficient

4. ✖ Both 1 & 2 together are sufficient

Question Number : 43 Question Id : 6913522943 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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Read the following information carefully and answer the question given below:

A team of five is to be selected from amongst five boys Shyam, Harish, Siva, Ravi, Krishna and four girls Arthi, Swathi, Latha and Mounika. Some criteria for selection are:

(i) Shyam and Swathi have to be together.

(ii) Ravi and Mounika cannot go together.

(iii) Arthi cannot be put with Latha.

(iv) Siva and Krishna have to be together.

(v) Latha cannot be put with Harish.

If including Arthi at least three members are girls, the members of the team other than Arthi are _____.

Options :

1. ✖ Shyam, Harish, Rekha, Siva

2. ✖ Rekha, Swathi, Siva, Krishna

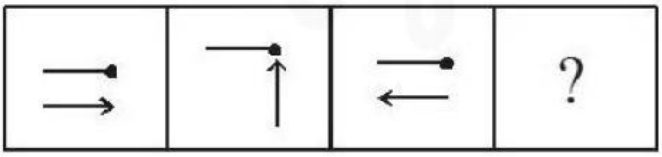
3. ✖ Ravi, Krishna, Swathi, Mounika

4. ✔ Mounika, Swathi, Shyam, Harish

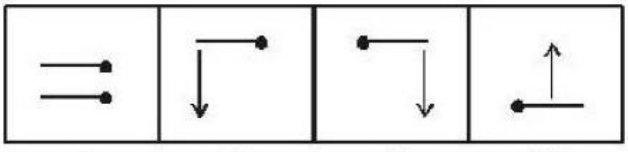
Question Number : 44 Question Id : 6913522944 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Pick the figure that will complete the given series.

Problem figures



Answer figures:



Options :

1. ✖ A

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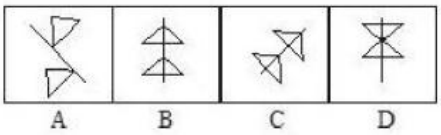
2. ✔ B

3. ✖ C

4. ✖ D

Question Number : 45 Question Id : 6913522945 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the odd figure out in the given series:



Options :

1. ✔ A

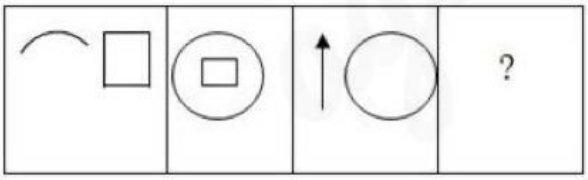
2. ✖ B

3. ✖ C

4. ✖ D

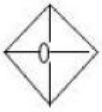
Question Number : 46 Question Id : 6913522946 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the similar pair from the options given below.



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

Options :

1. 

2. 

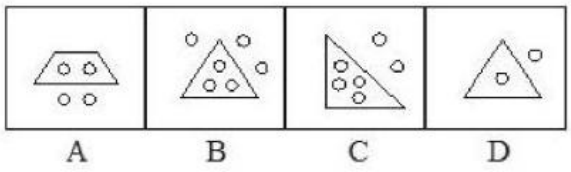
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3. 

4. 

Question Number : 47 Question Id : 6913522947 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the odd one out from among the given figures.



Options :

1. ✖ A

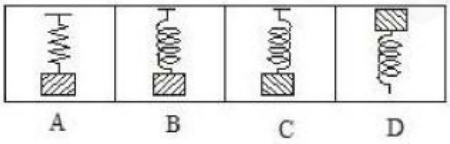
2. ✖ B

3. ✔ C

4. ✖ D

Question Number : 48 Question Id : 6913522948 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

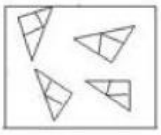
3. ✖ C

4. ✔ D

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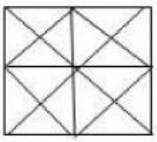
Question Number : 49 Question Id : 6913522949 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

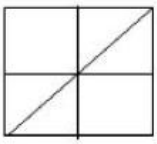
Which of the figures given in the options can be formed from the pieces given in the figure (X)?

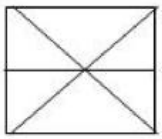
Figure (X) = 

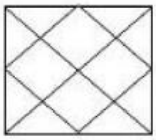
Option Figures:

Options :

1. ✖ 

2. ✖ 

3. ✖ 

4. ✔ 

Question Number : 50 Question Id : 6913522950 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Choose the best suitable Venn diagram to represent the relation between the following words

Animals, Hippopotamus , Rhinoceros

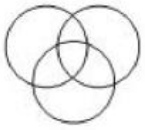
Options :

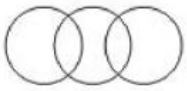
1. ✔ 

2. ✖ 

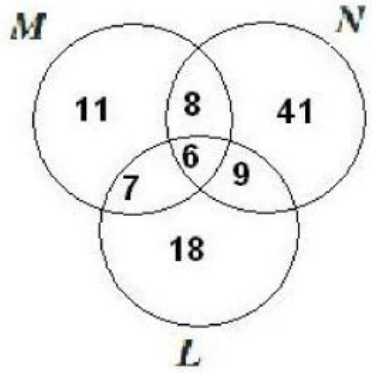
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3. ✖ 

4. ✖ 

Question Number : 51 Question Id : 6913522951 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical



The above Venn diagram represents the students who play 3 sports– M, N and L in a class.

The total number of students who play M and L but **NOT** game N is:

Options :

1. ✖ 13

2. ✖ 15

3. ✔ 7

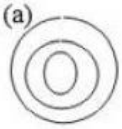
4. ✖ 36

Question Number : 52 Question Id : 6913522952 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Choose the venn diagram which best illustrates the three given classes in each of the following question.

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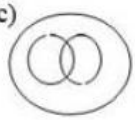
(a)



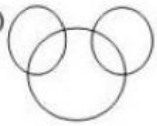
(b)



(c)



(d)



Students of Science, Students of Arts, Male

Options :

1. ✖ A

2. ✖ B

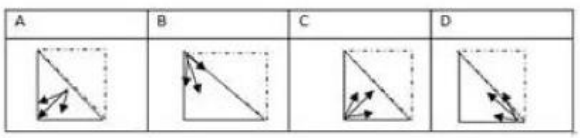
3. ✖ C

4. ✔ D

Question Number : 53 Question Id : 6913522953 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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





Options :

1. ✖ A

2. ✖ B

3. ✔ C

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4. ✖ D

Question Number : 54 Question Id : 6913522954 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Sunil is facing East direction. He turns 45° clockwise and 180° anticlockwise. In which direction he is facing now?

Options :

1. ✔ North-West

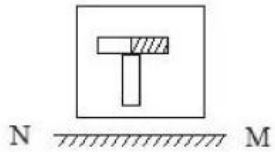
2. ✖ North-East

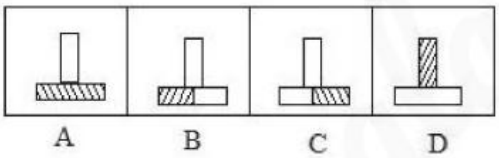
3. ✖ South-West

4. ✖ South-East

Question Number : 55 Question Id : 6913522955 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 : 6913522956 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A bullet, of mass 30 g is horizontally fired with a velocity 150 ms^{-1} from a pistol of mass 2 kg. What is the recoil velocity of the pistol?

Options :

1. ✖ $-1.5ms^{-1}$

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2. ✖ -1.0ms^{-1}

3. ✔ -2.25ms^{-1}

4. ✖ -1.25ms^{-1}

Question Number : 57 Question Id : 6913522957 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Up thrust and weight act in _____.

Options :

1. ✖ upward direction

2. ✖ downward direction

3. ✔ opposite direction

4. ✖ same direction

Question Number : 58 Question Id : 6913522958 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The weight of an object on the earth is 200 N. What is its mass $(g = 10\text{ms}^{-2})$?

Options :

1. ✖ 20 N

2. ✔ 20 Kg

3. ✖ 20 Pa

4. ✖ 20 C

Question Number : 59 Question Id : 6913522959 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

An object travels 20 m in 4 s, 10 m in the next 2 s and then another 30 m in 4 s. What is the average speed of the object?

Options :

1. ✖ $5\ ms^{-1}$

2. ✖ $5\ ms^{1}$

3. ✔ $6\ ms^{-1}$

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4. ✖ $6\ ms^{1}$

Question Number : 60 Question Id : 6913522960 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Calculate the potential energy acquired by a 20 kg hammer when it is raised to a height of 15 m (given g=10ms^{-2}).

Options :

1. ✖ 3000 N

2. ✖ 3000 Pa

3. ✔ 3000 J

4. ✖ 3000 W

Question Number : 61 Question Id : 6913522961 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A porter lifts a luggage of 10 kg from the ground and puts it on his head 1.1 m above the ground. Calculate the work done by him on the luggage. .(g = 10ms^{-2})

Options :

1. ✖ 155J

2. ✖ 165J

3. ✖ 140J

4. ✔ 110 J

Question Number : 62 Question Id : 6913522962 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

An object of mass 20 kg is moving with a uniform velocity of 10ms^{-1}.What is the kinetic energy possessed by the object?

Options :

1. ✖ 1000 N

2. ✔ 1000 J

3. ✖ 1000 Pa

4. ✖ 1000 Nm^{-2}

Question Number : 63 Question Id : 6913522963 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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In any medium, as we increase the _____, the speed of sound increases.

Options :

1. ✖ force

2. ✖ pressure

3. ✔ temperature

4. ✖ momentum

Question Number : 64 Question Id : 6913522964 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

_____ lens is used by people suffering from hypermetropia.

Options :

1. ✖ Plano concave

2. ✖ Concave

3. ✔ Convex

4. ✖ Cylindrical

Question Number : 65 Question Id : 6913522965 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Metals are good conductors of electricity because they have many loosely bound _____.

Options :

1. ✖ atoms

2. ✖ protons

3. ✔ electrons

4. ✖ neutrons

Question Number : 66 Question Id : 6913522966 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 5 C across two points having a potential difference of 10 V?

Options :

1. ✖ 50 A

2. ✖ 50 V

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3. ✗ 50 C

4. ✓ 50 J

Question Number : 67 Question Id : 6913522967 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What is the temperature at which a solid melts to become a liquid at atmospheric pressure called?

Options :

1. ✓ Melting point

2. ✗ Latent heat

3. ✗ Boling point

4. ✗ Latent heat of fusion

Question Number : 68 Question Id : 6913522968 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

_____ is a surface phenomenon.

Options :

1. ✗ Melting

2. ✗ Boiling

3. ✓ Evaporation

4. ✗ Freezing

Question Number : 69 Question Id : 6913522969 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following statements is/are true?

A. Rigidity: It is property of matter to allow a decrease in volume under high pressure and gases show this property.

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

Options :

1. ✗ Only A is true

2. ✓ Only B is true

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3. ✖ A and B are both true

4. ✖ A and B are both false

Question Number : 70 Question Id : 6913522970 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

_____ is the chemical name of slaked lime.

Options :

1. ✖ CaO

2. ✔ $Ca(OH)_2$

3. ✖ $CaCl_2$

4. ✖ $CaCO_3$

Question Number : 71 Question Id : 6913522971 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

When the litmus solution is neither acidic nor basic, its colour is:

Options :

1. ✖ Pink

2. ✖ Colourless

3. ✔ Purple

4. ✖ Blue

Question Number : 72 Question Id : 6913522972 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

_____ metal reacts violently with cold water.

Options :

1. ✖ Cu

2. ✖ Al

3. ✔ Na

4. ✖ Zn

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Question Number : 73 Question Id : 6913522973 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 allotropes of carbon?

Options :

1. ✖ Diamond

2. ✖ Graphite

3. ✖ Fullerene

4. ✔ Coal

Question Number : 74 Question Id : 6913522974 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The electronic configuration of three elements X,Yand Z are (2,8,7), (2,8,2) and (2,8,8) respectively. Then element Z is a _____.

Options :

1. ✖ metalloid

2. ✖ non metal

3. ✖ metal

4. ✔ inert gas

Question Number : 75 Question Id : 6913522975 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In the Modern Periodic Table, period _____ is an INCOMPLETE period.

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

Options :

1. 4

2. 5

3. 6

4. 7

Question Number : 76 Question Id : 6913522976 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Sieve tube and companion cells are mainly responsible for the transport of:

Options :

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1. ✖ water to leaf

2. ✖ sunlight to plant/tree

3. ✖ food in human bodies

4. ✔ food in plants

Question Number : 77 Question Id : 6913522977 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

_____ tissue forms glands.

Options :

1. ✖ Muscle

2. ✖ Connective

3. ✖ Nervous

4. ✔ Epithelial

Question Number : 78 Question Id : 6913522978 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

_____ takes place with the help of oxygen and is responsible for the complete breakdown of glucose into CO_2 and H_20

Options :

1. ✖ Lungs

2. ✖ Heart

3. ✖ Anaerobic respiration

4. ✔ Aerobic respiration

Question Number : 79 Question Id : 6913522979 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Egg-laying animals are called:

Options :

1. ✖ Viviparous

2. ✔ Oviparous

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3. ✖ Unicellular

4. ✖ Mitosis

Question Number : 80 Question Id : 6913522980 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In evolutionary terms, we have more in common with:

Options :

1. ✔ A Chinese school boy

2. ✖ A chimpanzee

3. ✖ A bacterium

4. ✖ A spider

Question Number : 81 Question Id : 6913522981 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Maheshwari Chauhan, who has won India's first women's skeet medal in 2017, is associated with:

Options :

1. ✖ cricket

2. ✖ boxing

3. ✖ wrestling

4. ✔ shooting

Question Number : 82 Question Id : 6913522982 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What was the theme of World Heritage Day 2016? It is observed across the world on 18th April.

Options :

1. ✖ 'Heritage of Culture'

2. ✖ 'Heritage of Monuments'

3. ✖ 'Heritage of Art'

4. ✔ 'Heritage of Sport'

Question Number : 83 Question Id : 6913522983 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

With which of the following sports is Arokia Rajiv related?

Options :

1. ✔ Athletics

2. ✖ Basket ball

3. ✖ Archery

4. ✖ Table tennis

Question Number : 84 Question Id : 6913522984 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In which of the following award programmes of 2017 was Neha Bhasin awarded the Best Singer(Female) award?

Options :

1. ✔ Filmfare

2. ✖ IFF of Melbourne

3. ✖ National Film Awards

4. ✖ IIFA

Question Number : 85 Question Id : 6913522985 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who was awarded the 2018 Padma Bhushan in the field of Literature and Education?

Options :

1. ✔ Ved Prakash Nanda

2. ✖ K Radha Krishna

3. ✖ Jahnu Barua

4. ✖ Vinod Rai

Question Number : 86 Question Id : 6913522986 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who among the following has compiled the medieval treatise on literature 'Amuktamalyada'?

Options :

1. ✖ Basavanna

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2. ✔ Sri Krishna Devaraya

3. ✖ Kalidas

4. ✖ Tulsidas

Question Number : 87 Question Id : 6913522987 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who was conferred with the highest Peace Time Military Decoration Award Ashoka Chakra on the 68th Republic Day of India, in 2017?

Options :

1. ✔ Hangpan Dada

2. ✖ Ranjit Singh

3. ✖ Kapil Yadav

4. ✖ Harpreet Sandhu

Question Number : 88 Question Id : 6913522988 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who amongst the following was the first woman speaker of the Lok Sabha?

Options :

1. ✔ Meira Kumar

2. ✖ Reita Faria

3. ✖ Sarojini Naidu

4. ✖ Shanno Devi

Question Number : 89 Question Id : 6913522989 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Identify the first recipient of the Prime Minister's Award for outstanding contribution to promotion and development of Yoga?

Options :

1. ✖ Ashtanga Institute, Mysore

2. ✖ Yoga Institute, Mumbai

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3. ✖ Bihar School of Yoga

4. ✔ Ramamani Iyengar Memorial Yoga Institute, Pune

Question Number : 90 Question Id : 6913522990 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following online portals has been launched by the Union Ministry of Women and Child Development (WCD) for the empowerment of women and children?

Options :

1. ✖ Madadgaar

2. ✖ Tele Law

3. ✖ UIDAI

4. ✔ NARI

Question Number : 91 Question Id : 6913522991 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The council of ministers is collectively responsible to the:

Options :

1. ✖ Parliament

2. ✖ Supreme Court

3. ✖ Rajya Sabha

4. ✔ Lok Sabha

Question Number : 92 Question Id : 6913522992 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which state's Chief Minister has announced five lakh rupees worth health-cum-life insurance scheme for farmers?

Options :

1. ✖ Gujarat

2. ✔ Telengana

3. ✖ Karnataka

4. ✖ Uttarakhand

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Question Number : 93 Question Id : 6913522993 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

_____ is the largest producer of food grains in India and accounted for about 17.83 per cent share in the country's total food grain output in 2016-17.

Options :

1. ✖ Punjab

2. ✖ Madhya Pradesh

3. ✖ Uttarakhand

4. ✔ Uttar Pradesh

Question Number : 94 Question Id : 6913522994 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which American president is associated with the Watergate scandal?

Options :

1. ✖ Lyndon Johnson

2. ✖ John F Kennedy

3. ✔ Richard M Nixon

4. ✖ Ronald Reagan

Question Number : 95 Question Id : 6913522995 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Akbar, at the age of _____, was made Governor of the Punjab region.

Options :

1. ✖ 31

2. ✔ 13

3. ✖ 23

4. ✖ 33

Question Number : 96 Question Id : 6913522996 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In which state is the Rukura Medium Irrigation Dam project situated?

Options :

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1. ✖ Assam

2. ✔ Odisha

3. ✖ Andhra Pradesh

4. ✖ Gujarat

Question Number : 97 Question Id : 6913522997 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In which country is the Bolan Pass situated?

Options :

1. ✔ Pakistan

2. ✖ India

3. ✖ China

4. ✖ Bhutan

Question Number : 98 Question Id : 6913522998 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

With which bank did the branchless banking services firm, Oxigen announce a strategic partnership in 2018?

Options :

1. ✖ IDBI Bank

2. ✔ Fincare Small Finance

3. ✖ HDFC

4. ✖ NABARD

Question Number : 99 Question Id : 6913522999 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Because of its ability to form a thick gel-like solution, _____ is used commercially in the preparation of jellies, jams and marmalades.

Options :

1. ✖ peptide

2. ✖ lactose

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3. ✖ peptone

4. ✔ pectin

Question Number : 100 Question Id : 6913523000 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who among the following inaugurated the first Automatic Weather Station in Nagpur on 2nd May 2017?

Options :

1. ✔ Devendra Fadnavis

2. ✖ Sharad Pawar

3. ✖ Narendra Modi

4. ✖ Venkaiah Naidu

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