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 13th Dec 2018 Shift3
Subject Name:	Level 1
Duration:	90
Total Marks:	100
Display Marks:	No
Share Answer Key With Delivery Engine:	Yes
Actual Answer Key:	Yes
Calculator:	None
Magnifying Glass Required?:	No
Ruler Required?:	No
Eraser Required?:	No
Scratch Pad Required?:	No
Rough Sketch/Notepad Required?:	No
Protractor Required?:	No
Show Watermark on Console?:	Yes
Highlighter:	No
Auto Save on Console?:	No

Display Number Panel:	Yes
Group All Questions:	No

Question Number : 1 Question Id : 6789138101 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The product of $\frac{84}{125}$ and $\frac{175}{126}$ is :

Options :

1. ✖ $\frac{6}{7}$

2. ✖ $\frac{7}{15}$

3. ✖ $\frac{7}{10}$

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4. ✔ $\frac{14}{15}$

Question Number : 2 Question Id : 6789138102 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following numbers is a perfect cube?

Options :

1. ✖ 2700

2. ✔ 27000

3. ✖ 270000

4. ✖ 2700000

Question Number : 3 Question Id : 6789138103 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

$0.0066 \times 270 = ?$

Options :

1. ✖ 0.1782

2. ✖ 17.82

3. ✔ 1.782

4. ✖ 0.01782

Question Number : 4 Question Id : 6789138104 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The product of two numbers is 84942 and their HCF is 33. Find their LCM.

Options :

1. ✖ 2754

2. ✖ 2664

3. ✖ 2674

4. ✔ 2574

Question Number : 5 Question Id : 6789138105 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

One-fifth of the population of a village are children, two-thirds are men and the remaining are women. If the total population is 123585, find the number of women.

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Options :

1. ✔ 16478

2. ✖ 15425

3. ✖ 17604

4. ✖ 16923

Question Number : 6 Question Id : 6789138106 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The value of 2.005 – 1.769 is:

Options :

1. ✖ 0.764

2. ✖ 0.244

3. ✔ 0.236

4. ✖ 0.234

Question Number : 7 Question Id : 6789138107 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the numbers below will have an irrational square root?

Options :

1. ✖ 8649

2. ✖ 7056

3. ✔ 7552

4. ✖ 8281

Question Number : 8 Question Id : 6789138108 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A number when divided by a divisor leaves a remainder of 37. When twice the original number is divided by the same divisor, the remainder is 19. What is the value of the divisor?

Options :

1. ✖ 53

2. ✖ 54

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3. ✔ 55

4. ✖ 56

Question Number : 9 Question Id : 6789138109 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The value of $\frac{\left[\left(\frac{1}{3}\right)^{-3}-\left(\frac{1}{2}\right)^{-3}\right]\div\left(\frac{1}{4}\right)^{-3}}{(2^{-1}\times5^{-1})\div4^{-1}}$ is :

Options :

1. ✖ $\frac{38}{3}$

2. ✖ $\frac{38}{5}$

3. ✔ $\frac{95}{128}$

4. ✖ $\frac{19}{64}$

Question Number : 10 Question Id : 6789138110 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Sohan and Waseem together have ₹ 882. If $\frac{5}{32}$ (Amount with Sohan) $=$ $\frac{5}{11}$ (Amount with Waseem) -10, then what is the amount with Sohan?

Options :

1. ✖ ₹ 480

2. ✔ ₹ 640

3. ✖ ₹ 240

4. ✖ ₹ 120

Question Number : 11 Question Id : 6789138111 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A sum of money, invested at 12% simple interest p.a. for 3 years, yields the same interest as another sum, invested at 9% simple interest p.a. for 5 years. What is the ratio of the two sums invested?

Options :

1. ✖ 5 : 3

2. ✖ 4 : 3

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3. ✔ 5 : 4

4. ✖ 6 : 5

Question Number : 12 Question Id : 6789138112 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The ratios of honey to water in two containers are 4 : 3 and 6 : 7, respectively. How much mixture from the second container is to be taken and added with 3.5 litres of the first mixture such that the ratio of honey to water in the new mixture will be 1?

Options :

1. ✖ 6 litres

2. ✔ 6.5 litres

3. ✖ 7 litres

4. ✖ 7.5 litres

Question Number : 13 Question Id : 6789138113 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Pramod can paint a wall red in 18 hours while Brajen can whitewash the wall completely in 24 hours. If starting with Pramod the two works alternately for an hour each starting when the wall has just cemented on it till when it is completely painted red, how many hours will it take to paint the entire wall red?

Options :

1. ✖ 136 hours

2. ✔ 137 hours

3. ✖ 140 hours

4. ✖ 144 hours

Question Number : 14 Question Id : 6789138114 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A train travelling at a speed of 48 km/h crosses a 360 m long platform in 39 seconds. How long was the train?

Options :

1. ✖ 240 m

2. ✔ 160 m

3. ✖ 140 m

4. ✖ 180 m

Question Number : 15 Question Id : 6789138115 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Dinesh drove 520 kilometres in 12 hours. For how many kilometres now does he need to drive at a speed of 100 km/h, for the overall average speed to become 60 km/h?

Options :

1. ✖ 400

2. ✔ 500

3. ✖ 550

4. ✖ 575

Question Number : 16 Question Id : 6789138116 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

85% of ' a ' is equal to 17% of ' b '. What is the value of ' a ' if ' b ' = 3600?

Options :

1. ✖ 860

2. ✖ 640

3. ✔ 720

4. ✖ 360

Question Number : 17 Question Id : 6789138117 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A pipe can fill an intact cistern in 5 hours. Due to a leak at the bottom of the cistern, it takes the pipe 7 hours to fill the cistern. When the cistern is full, how long will it take the leak alone to empty the cistern?

Options :

1. ✖ 2 hours

2. ✖ 12 hours

3. ✔ 17.5 hours

4. ✖ 22.5 hours

Question Number : 18 Question Id : 6789138118 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If India's Republic Day was on Tuesday in the year 2016, what day would Gandhi Jayanti be in the same year?

Options :

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1. ✖ Wednesday

2. ✖ Friday

3. ✖ Saturday

4. ✔ Sunday

Question Number : 19 Question Id : 6789138119 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The length of an edge of a cube is 40 cm. There is a circle painted in Blue on each face of the cube. What is the total area of the unpainted surface of the cube if the circles are of the largest area possible? Choose the most appropriate option.

Options :

1. ✖ 2207.14 cm^2

2. ✔ 2057.14 cm^2

3. ✖ 2507.14 cm^2

4. ✖ 2117.14 cm^2

Question Number : 20 Question Id : 6789138120 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A sphere has a radius of 5 cm. If it is divided into two hemispheres, what would be the total surface area of the two hemispheres?

Options :

1. ✖ $75\pi\ cm^2$

2. ✖ $125\pi\ cm^2$

3. ✔ $150\pi\ cm^2$

4. ✖ $100\pi\ cm^2$

Question Number : 21 Question Id : 6789138121 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A vertical pole, 25 m long, casts a shadow 5 m long on the ground. At the same time, a vertical building casts a shadow 9 m long on the ground. What is the height of the building?

Options :

1. ✖ 36 m

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2. ✔ 45 m

3. ✖ 54 m

4. ✖ 40 m

Question Number : 22 Question Id : 6789138122 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The number of books sold at a book shop on six of the last seven business days were 108, 54, 144, 36, 126, and 72, respectively. Among the given alternatives, what is the number of books sold on the seventh business day such that the arithmetic mean (average) number of books sold per business day for the seven days is equal to the median number of books sold per business day for the seven days?

Options :

1. ✖ 80 books

2. ✔ 90 books

3. ✖ 100 books

4. ✖ 120 books

Question Number : 23 Question Id : 6789138123 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The mean of three numbers is 30. The range of this data set is 17 while the difference between the two smallest numbers is 4. The greatest of the three numbers is _____.

Options :

1. ✖ 36

2. ✖ 38

3. ✔ 40

4. ✖ 42

Question Number : 24 Question Id : 6789138124 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If $12\cos^2 x - 8\sin^2 x = -3$ and $0° \leq x \leq 90°$, then $x = ?$

Options :

1. ✖ 30°

2. ✔ 60°

3. ✖ 45°

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4. ✖ 90°

Question Number : 25 Question Id : 6789138125 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Consider a right angle triangle ABC with the vertices $A(1,m), B(1,1), C(2,1)$ and with AC as its hypotenuse. If the area of the triangle is 1 sq.unit, then the set of values 'm' can take is given by:

Options :

1. ✖ {1, 3}

2. ✖ {0, 2}

3. ✔ {-1, 3}

4. ✖ {-3, -2}

Question Number : 26 Question Id : 6789138126 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Tarun's only sister's brother is Rahul's son. How is Tarun related to Rahul?

Options :

1. ✔ Son

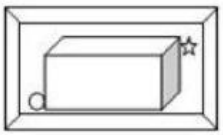
2. ✖ Son-in-law

3. ✖ Cousin

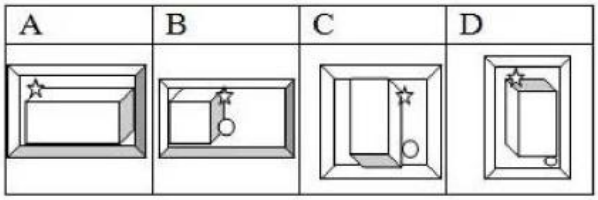
4. ✖ Uncle

Question Number : 27 Question Id : 6789138127 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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



Answer figures:



Options :

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1. ✖ A

2. ✖ B

3. ✖ C

4. ✔ D

Question Number : 28 Question Id : 6789138128 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Introducing Satheesh, Haritha said, "His brother's mother is the only daughter of my maternal grandfather". How is Haritha related to Satheesh?

Options :

1. ✖ Daughter

2. ✔ Sister

3. ✖ Mother

4. ✖ Niece

Question Number : 29 Question Id : 6789138129 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If PUNJAB = 64 and RAJASTHAN = 92, then KERALA = ?

Options :

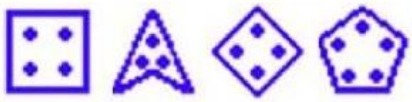
1. ✖ 22

2. ✖ 17

3. ✔ 48

4. ✖ 38

Question Number : 30 Question Id : 6789138130 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical



1 2 3 4

Select the image that does not belong to the group.

Options :

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1. ✖ 1

2. ✔ 2

3. ✖ 3

4. ✖ 4

Question Number : 31 Question Id : 6789138131 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Choose the missing option.

WALK : XCOO :: RIDE : _____

Options :

1. ✔ SKGI

2. ✖ SKIG

3. ✖ SGKI

4. ✖ KSGI

Question Number : 32 Question Id : 6789138132 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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

Statement:

An applicant lost his life in a stampede that occurred in an army recruitment drive.

Course of action:

1. The officer in charge must be punished.
2. The government should conduct a probe to find the reason behind the stampede.

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 : 6789138133 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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

Statement:

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

Assumptions:

I. If you join the weight loss programme, in six sessions your weight will be reduced by 15 kg.

II. The institute deals with weight loss programmes.

Options :

1. ✖ Only assumption I is implicit

2. ✔ Only assumption II is implicit

3. ✖ Neither assumption I nor II is implicit

4. ✖ Either assumption I or II is implicit

Question Number : 34 Question Id : 6789138134 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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

Statement:

'Mobile phone is strictly banned in college premises', reads the college notice board.

Assumptions:

1. Students may stop using mobile phones in college premises.
2. Students may continue to use mobile phone in college premises.

Options :

1. ✔ Only assumption 1 implicit.

2. ✖ Only assumption 2 implicit.

3. ✖ Either assumption 1 or 2 implicit.

4. ✖ Both assumptions 1 and 2 are implicit.

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Question Number : 35 Question Id : 6789138135 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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

Statement:

The company announces increased bonus to its employees.

Assumptions:

I. This year, the company has performed well.

II. It is the way the company generally works that at the end of the year all employees are given a bonus to promote good work culture.

Options :

1. ✖ Only I is implicit.

2. ✔ Only II is implicit.

3. ✖ Both I and II are implicit.

4. ✖ Neither I nor II is implicit.

Question Number : 36 Question Id : 6789138136 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the term which does not fit into the series given below:

(a)G4T, (b) J9R, (c) M21P, (d) P43N

Options :

1. ✖ a

2. ✖ b

3. ✔ c

4. ✖ d

Question Number : 37 Question Id : 6789138137 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the next term in this series.

GJ10, KN14, _____.

Options :

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1. ✔ OR18

2. ✖ PR18

3. ✖ MR18

4. ✖ UR18

Question Number : 38 Question Id : 6789138138 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the next term in the following series:

14, 38, 62, _____

Options :

1. ✔ 86

2. ✖ 89

3. ✖ 90

4. ✖ 91

Question Number : 39 Question Id : 6789138139 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the next term in this series.

YCX, WEV, UGT, _____.

Options :

1. ✔ SIR

2. ✖ RIS

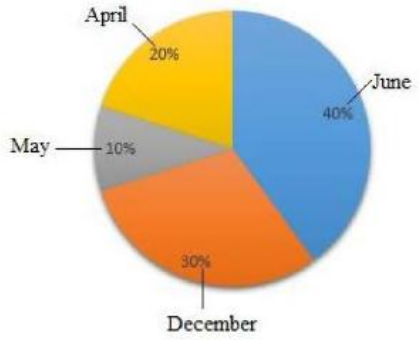
3. ✖ PIR

4. ✖ QIS

Question Number : 40 Question Id : 6789138140 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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The given pie chart shows the percentage of eggs produced on a farm in the months of April, May, June and December.



If the total number of eggs produced on the farm in April, May, June and December is 1,90,000, then find out the number of eggs produced in June.

Options :

1. ✖ 7600

2. ✖ 15,200

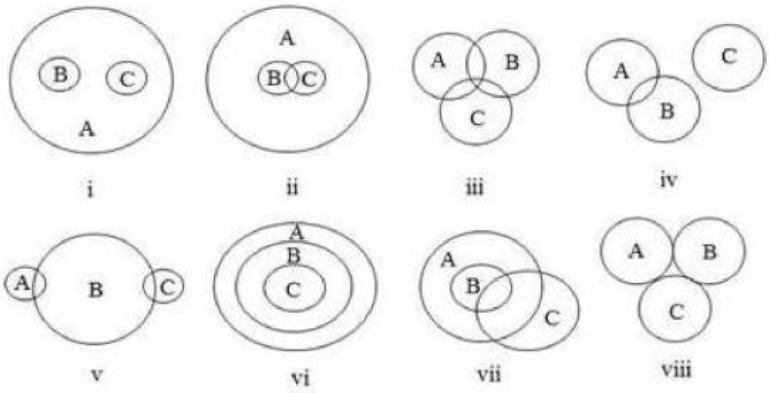
3. ✔ 76,000

4. ✖ 19000

Question Number : 41 Question Id : 6789138141 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the most suitable Venn diagram for the given words:

A - Insects, B - Flying Beings, C - Birds.



Options :

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1. ✖ i

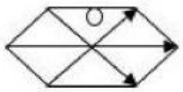
2. ✔ v

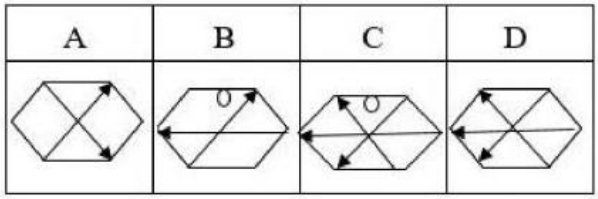
3. ✖ ii

4. ✖ iii

Question Number : 42 Question Id : 6789138142 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which pattern most closely resembles the following image?





Options :

1. ✖ A

2. ✖ B

3. ✔ C

4. ✖ D

Question Number : 43 Question Id : 6789138143 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Consider the following question and decide which of the statements is sufficient to answer the question.

Question:

Is $Z > 0$?

Statements:

$-3Z < 0$

2. $Z^3 > 0$

Options :

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

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

3. ✖ Both 1 and 2 together are sufficient

4. ✔ Each statement alone is sufficient

Question Number : 44 Question Id : 6789138144 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.

Snake : Reptile :: Whale : ?

Options :

1. ✖ Bird

2. ✔ Mammal

3. ✖ Garment

4. ✖ Amphibian

Question Number : 45 Question Id : 6789138145 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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

Options :

1. ✔ Players

2. ✖ Herd

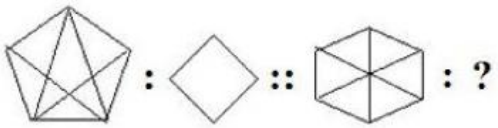
3. ✖ Flock

4. ✖ Swarm

Question Number : 46 Question Id : 6789138146 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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

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Answer Fig



1 2 3 4

Options :

1. ✔ 2

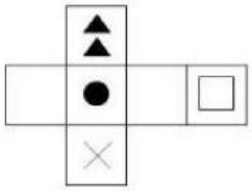
2. ✖ 1

3. ✖ 3

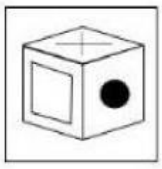
4. ✖ 4

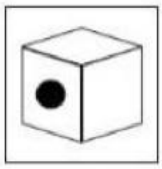
Question Number : 47 Question Id : 6789138147 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

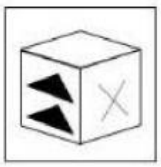
The following is the net diagram of a cube on which few symbols are marked. Identify the original cube of this net diagram.

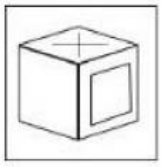


Options :

1. ✖ 

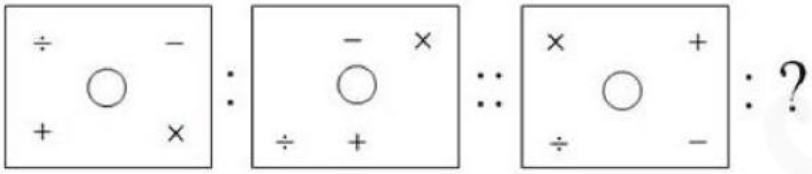
2. ✖ 

3. 

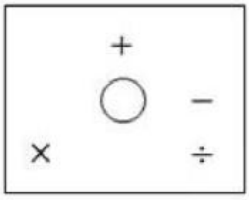
4. 

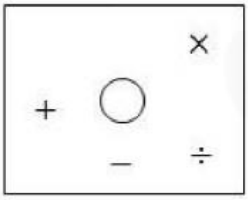
Question Number : 48 Question Id : 6789138148 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

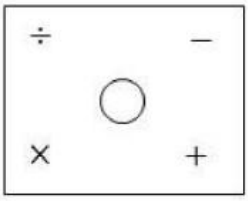
Find the figure that can replace the question mark in the following analogy.

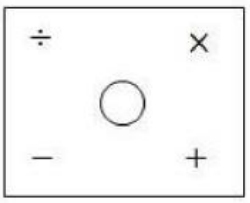


Options :

1. 

2. 

3. 

4. ✖ 

Question Number : 49 Question Id : 6789138149 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

There are five rooms in a house, and all of them have locks, but there are only three keys, one of which can open two of the locks. How many locks can be opened with the keys present?

Options :

1. ✔ 4

2. ✖ 3

3. ✖ 2

4. ✖ 1

Question Number : 50 Question Id : 6789138150 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If FKNAD is the code for GLOBE, then what will be the code for EARTH?

Options :

1. ✔ DZQSG

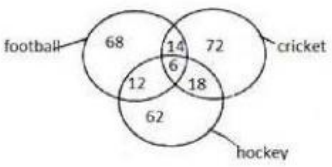
2. ✖ EARTH

3. ✖ HTRAE

4. ✖ RTHEA

Question Number : 51 Question Id : 6789138151 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the ratio of number of players who play cricket and hockey but not football to the players who play all the three from the given venn diagram .



Options :

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1. ✔ 3:1

2. ✖ 2:1

3. ✖ 4:1

4. ✖ 5:1

Question Number : 52 Question Id : 6789138152 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Out of 150 students who chose at least one subject for tuition, 40 chose subject 1 and subject 2 only; 40 chose subject 2 and 3 only; and 15 chose subject 1 and 3 only. Only 15 students chose exactly one subject each. How many chose all the three subjects?

Options :

1. ✖ 3

2. ✔ 10

3. ✖ 8

4. ✖ 5

Question Number : 53 Question Id : 6789138153 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

At point O, facing east a person walks 2 km to reach point A. Then, he turns right, walks 4 km and reaches point B. He then turns left, walks 2 km and reaches point C. He turns left, walks 8 km and reaches point D. Then, he turns left, walks 8 km and reaches point E. He turns left then, walks 4 km and reaches point F. The shortest distance between point A and point D is _____ km.

Options :

1. ✔ $2\sqrt{5}$

2. ✖ $\sqrt{5}$

3. ✖ $3\sqrt{5}$

4. ✖ 20

Question Number : 54 Question Id : 6789138154 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Mamta is walking towards North. After walking 4 kms, she turns right and then walks for 3 kms. How far and in which direction is she from the starting point? (Shortest distance).

Options :

1. ✖ 7 kms – West

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2. ✔ 5 kms – North-East

3. ✖ 5 kms – South-East

4. ✖ 6 kms – North-West

Question Number : 55 Question Id : 6789138155 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Karthick walked towards north, then turned left and walked one kilometre and again turned left and walked 2 kilometres. He found himself exactly one kilometre west of his starting point. How far did he walk northwards initially?

Options :

1. ✖ 1 kilometre

2. ✔ 2 kilometres

3. ✖ 2.5 kilometres

4. ✖ 4 kilometres

Question Number : 56 Question Id : 6789138156 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Newton is the SI unit of _____.

Options :

1. ✖ force and pressure

2. ✖ force and momentum

3. ✔ force and weight

4. ✖ force and mass

Question Number : 57 Question Id : 6789138157 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The direction of velocity of an object performing uniform circular motion is along the _____ direction to its position.

Options :

1. ✖ opposite

2. ✖ same

3. ✖ inclined

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4. ✔ tangential

Question Number : 58 Question Id : 6789138158 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

An object is thrown vertically upwards and rises to a height of 10 m. Calculate the velocity with which the object was thrown upwards.

(Take g = $9.8\ ms^{-2}$).

Options :

1. ✖ $10\ ms^{-1}$

2. ✖ $12\ ms^{-1}$

3. ✔ $14\ ms^{-1}$

4. ✖ $18\ ms^{-1}$

Question Number : 59 Question Id : 6789138159 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The direction of motion is changed at every point, when an object is moving along a _____.

Options :

1. ✖ rectangular track

2. ✖ hexagonal track

3. ✔ circular track

4. ✖ octagonal track

Question Number : 60 Question Id : 6789138160 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

When the work done is negative, what will be the angle between the Force applied and the Displacement?

Options :

1. ✖ 45°

2. ✖ 90°

3. ✔ 180°

4. ✖ 0°

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Question Number : 61 Question Id : 6789138161 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If a car uses total energy of 1250 J and its output is 375 J, then the efficiency of the car is:

Options :

1. ✖ 25%

2. ✖ 35%

3. ✖ 50%

4. ✔ 30%

Question Number : 62 Question Id : 6789138162 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

An object of mass 13 kg is at a certain height above the ground. If the potential energy of the object is 1040 J, find the height at which the object is with respect to the ground (given $g = 10\ ms^{-2}$).

Options :

1. ✖ 6 m

2. ✖ 10 m

3. ✔ 8 m

4. ✖ 1.8 m

Question Number : 63 Question Id : 6789138163 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Our ear helps us in hearing sound. Which of these is NOT a part of ear?

Options :

1. ✖ Tympanic membrane

2. ✖ Cochlea

3. ✔ Sclera

4. ✖ Ear canal

Question Number : 64 Question Id : 6789138164 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In a Concave mirror, the image got is always real EXCEPT when the Object is placed in one particular position. Where the object should the placed in front of the Concave mirror to get a Virtual Image?

Options :

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1. ✖ Between C and F

2. ✖ At C

3. ✖ At F

4. ✔ Between P and F

Question Number : 65 Question Id : 6789138165 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Manganin is an alloy of _____.

Options :

1. ✖ Cr, Ni and Mg

2. ✔ Cu, Mn and Ni

3. ✖ Cu, Mg and Ni

4. ✖ Cu, Al and Ni

Question Number : 66 Question Id : 6789138166 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

According to ohm's law, electric current is given by the formula _____.

Options :

1. ✖ V /I

2. ✖ I /V

3. ✔ V /R

4. ✖ R /V

Question Number : 67 Question Id : 6789138167 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following approves the names of elements?

Options :

1. ✖ IPUAC

2. ✔ IUPAC

3. ✖ IPAUC

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4. ✖ IAUPC

Question Number : 68 Question Id : 6789138168 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Select the option that correctly matches the contents of the first column with the contents of the second column.

A. X-rays are electromagnetic waves of very…	I. …magnesium and sulphur by mass in magnesium sulphide.
B. The maximum number of electrons that can be…	II. …short wavelength.
C. 3 : 4 is the ratio of…	III. …the law of conservation of mass.
D. Balanced chemical equation adheres to…	IV. …accommodated in L shell is 8.

Options :

1. ✖ A-I, B-IV, C-II, D-III

2. ✖ A-II, B-IV, C-III, D-I

3. ✔ A-II, B-IV, C-I, D-III

4. ✖ A-II, B-I, C-IV, D-III

Question Number : 69 Question Id : 6789138169 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

10 g each of CH_4 and O_2 are kept in cylinders of the same volume under the same temperatures. Give the pressure ratio of two gases.

Options :

1. ✔ 2 : 1

2. ✖ 1 : 4

3. ✖ 2 : 3

4. ✖ 3 : 2

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Question Number : 70 Question Id : 6789138170 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The chemical formula of marble is _____.

Options :

1. ✖ $CaSO_4$

2. ✖ $CaCl_2$

3. ✔ $CaCO_3$

4. ✖ CaO

Question Number : 71 Question Id : 6789138171 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 example of chemical change?

Options :

1. ✖ Burning of crackers

2. ✖ Powdered lime added to water

3. ✖ Ripening of grapes

4. ✔ Melting of wax

Question Number : 72 Question Id : 6789138172 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following statements is INCORRECT about non-metals?

Options :

1. ✔ They have shine and can be polished

2. ✖ They are neither malleable nor ductile

3. ✖ Melting and boiling points are low

4. ✖ They are liquid and gases (except Bromine)

Question Number : 73 Question Id : 6789138173 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In the preparation of which of the following is sulphur NOT used?

Options :

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1. ✖ Fire crackers

2. ✖ Gun powder

3. ✖ Matchsticks

4. ✔ Electrolytes

Question Number : 74 Question Id : 6789138174 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Name the element whose electronic configuration is 2, 8, 8.

Options :

1. ✖ Magnesium

2. ✖ Potassium

3. ✔ Argon

4. ✖ Sodium

Question Number : 75 Question Id : 6789138175 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What are the vertical columns in a periodic table known as?

Options :

1. ✔ Groups

2. ✖ Periods

3. ✖ Position

4. ✖ Valency

Question Number : 76 Question Id : 6789138176 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following is true for collenchyma tissue?

Options :

1. ✖ Air spaces

2. ✖ Dead cells

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3. ✔ Flexibility

4. ✖ Chlorophyll

Question Number : 77 Question Id : 6789138177 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In the hierarchy of classification, which grouping will have the smallest number of organisms with a maximum of common characteristics?

Options :

1. ✖ Kingdom

2. ✖ Order

3. ✔ Species

4. ✖ Family

Question Number : 78 Question Id : 6789138178 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Tissues that form the bulk of the plant body, helping in packing other tissues, are called _____.

Options :

1. ✖ lateral meristematic tissues

2. ✖ xylem vessels

3. ✔ ground tissues

4. ✖ vascular tissues

Question Number : 79 Question Id : 6789138179 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The three parts of seed are _____.

Options :

1. ✖ cotyledon, radicle, ovary

2. ✔ cotyledon, radicle, plumule

3. ✖ cotyledon, plumule, ovule

4. ✖ plumule, radicle, germ-cell

Question Number : 80 Question Id : 6789138180 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. J D Watson and FHC crick proposed the double helical model of DNA in 1993 and they were awarded the Nobel prize in 1998.

B. DNA molecule is made up of two long polynucleotide strand forming a double helical structure (double helix) just like a spiral staircase.

Options :

1. ✖ Only A is true

2. ✖ Only B is true

3. ✔ Both A and B are true

4. ✖ Both A and B are false

Question Number : 81 Question Id : 6789138181 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In 2017, GSSV Prasad was conferred the Dronacharya Award for his lifetime contribution to which sport?

Options :

1. ✔ Badminton

2. ✖ Kabaddi

3. ✖ Boxing

4. ✖ Hockey

Question Number : 82 Question Id : 6789138182 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

How many players were selected for the scholarship programme under the Khelo India Talent Identification Development scheme?

Options :

1. ✔ 734

2. ✖ 796

3. ✖ 1,000

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4. ✖ 512

Question Number : 83 Question Id : 6789138183 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What is the position of the Indian women's hockey team in the Commonwealth Games 2018?

Options :

1. ✖ 2

2. ✖ 3

3. ✖ 5

4. ✔ 4

Question Number : 84 Question Id : 6789138184 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

'Dhanak', which won the Best Children Film award at the 2017 National Film Awards, was shot in which language?

Options :

1. ✔ Hindi

2. ✖ English

3. ✖ Marathi

4. ✖ Telugu

Question Number : 85 Question Id : 6789138185 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who among the following said, "Drama is life with the dull bits cut out"?

Options :

1. ✖ Ian Fleming

2. ✖ Agatha Christie

3. ✔ Alfred Hitchcock

4. ✖ Sir William Shakespeare

Question Number : 86 Question Id : 6789138186 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who is the co-founder of Epic Television Networks Private Limited?

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Options :

1. ✖ Siddharth Roy Kapoor

2. ✖ Ronnie Screwala

3. ✖ Deven Khote

4. ✔ Mahesh Samat

Question Number : 87 Question Id : 6789138187 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who was appointed as the President of the Association of Indian Universities (AIU) in July 2018?

Options :

1. ✔ Dr. Sandeep Sancheti

2. ✖ Dr. Ashok K Chauhan

3. ✖ Dr. Balvinder Shukla

4. ✖ Dr. G Satheesh Reddy

Question Number : 88 Question Id : 6789138188 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which cricketer bagged the Arjuna award in 2017?

Options :

1. ✖ Virat Kohli

2. ✔ Cheteshwar Pujara

3. ✖ M S Dhoni

4. ✖ R Ashwin

Question Number : 89 Question Id : 6789138189 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The famous personality, 'Bezwada Wilson', is known for his contributions in which of the following fields?

Options :

1. ✔ Social activism

2. ✖ Politics

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3. ✖ Music

4. ✖ Sports

Question Number : 90 Question Id : 6789138190 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

According to _____ of the Constitution of India, the Parliament consists of the President of India and the two Houses of Parliament known as Council of States (Rajya Sabha) and House of the People (Lok Sabha).

Options :

1. ✖ Article 89

2. ✖ Article 99

3. ✔ Article 79

4. ✖ Article 69

Question Number : 91 Question Id : 6789138191 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who is the Supreme Commander of the Indian Armed Forces?

Options :

1. ✖ The Chief of Army

2. ✖ The Minister of Defence

3. ✔ The President

4. ✖ The Vice President

Question Number : 92 Question Id : 6789138192 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

C Vidyasagar Rao is the Governor of which state as of August 2018?

Options :

1. ✖ Telangana

2. ✖ Andhra Pradesh

3. ✔ Maharashtra

4. ✖ Gujarat

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Question Number : 93 Question Id : 6789138193 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who is the Minister of Industrial Development in the Government of Uttar Pradesh?

Options :

1. ✖ Shri Brijesh Pathak

2. ✖ Shri Suresh Khanna

3. ✔ Shri Satish Mahana

4. ✖ Shri Jai Pratap Singh

Question Number : 94 Question Id : 6789138194 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who among the following is NOT an important ruler of the Mauryan dynasty?

Options :

1. ✖ Ashoka

2. ✖ Bindusara

3. ✔ Bimbisara

4. ✖ Chandragupta Maurya

Question Number : 95 Question Id : 6789138195 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who undertook a trip to India to trade and establish factories during the reign of King James I in England?

Options :

1. ✔ Sir Thomas Roe

2. ✖ Sir John Wills

3. ✖ Catherine Herrietta

4. ✖ General Dupleix

Question Number : 96 Question Id : 6789138196 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The Standard Meridian for India passes through _____.

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

Options :

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1. Benaras
2. Allahabad
3. Delhi
4. Kanpur

Question Number : 97 Question Id : 6789138197 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

_____ soil is best for growing cotton.

Options :

1. ✖ Alluvial
2. ✖ Arid
3. ✔ Regur
4. ✖ Red

Question Number : 98 Question Id : 6789138198 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

India Banking Conclave (IBC) 2018 was held in:

Options :

1. ✖ Mumbai
2. ✔ New Delhi
3. ✖ Chennai
4. ✖ Cochin

Question Number : 99 Question Id : 6789138199 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

'Mission Fingerling' of the Government of India is related to the ___ revolution.

Options :

1. ✖ Green
2. ✖ White
3. ✔ Blue

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4. ✖ Yellow

Question Number : 100 Question Id : 6789138200 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In 2018, which state government launched the 'unemployment allowance scheme'?

Options :

1. ✔ Himachal Pradesh

2. ✖ Odisha

3. ✖ Jharkhand

4. ✖ Bihar

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