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 11th 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 : 6789132801 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the numbers given below is rational?

Options :

1. ✖ $\sqrt[5]{1551}$

2. ✖ $\sqrt[4]{1441}$

3. ✔ $\sqrt[3]{1331}$

4. ✖ $\sqrt{1221}$

Career Railways

Question Number : 2 Question Id : 6789132802 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What is the value of 'X', if $\sqrt{1849} \times \sqrt{X} = 2451$?

Options :

1. ✖ 3136

2. ✖ 3481

3. ✔ 3249

4. ✖ 3364

Question Number : 3 Question Id : 6789132803 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If y is the smallest positive integer, such that 3150 multiplied by y is the square of an integer, then what is the value of y?

Options :

1. ✖ 11

2. ✖ 12

3. ✖ 13

4. ✔ 14

Question Number : 4 Question Id : 6789132804 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Simplify:

$$108 \div [35 - \{48 \div 24 + (16 - 19)\}]$$

Options :

1. ✖ 4

2. ✔ 3

3. ✖ 6

4. ✖ 9

Question Number : 5 Question Id : 6789132805 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Career Railways

The value of $\frac{(843+375)^2+(843-375)^2}{(843\times 843+375\times 375)}$ is:

Options :

1. ✖ 12

2. ✔ 2

3. ✖ 5

4. ✖ 8

Question Number : 6 Question Id : 6789132806 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the values of a, b, c and d (in that order) in:

9a5b – 3701 = c15d

Options :

1. ✖ 3, 6, 8, 4

2. ✖ 4, 8, 3, 6

3. ✔ 8, 4, 6, 3

4. ✖ 3, 4, 6, 8

Question Number : 7 Question Id : 6789132807 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The dimensions of a rectangular plot of land, given correct to the nearest integer, are 28 m and 22 m. What is the minimum possible perimeter of the rectangle?

Options :

1. ✖ 100 m

2. ✖ 50 m

3. ✖ 49 m

4. ✔ 98 m

Question Number : 8 Question Id : 6789132808 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the number that is a multiple of all the numbers from 1 to 10.

Options :

Career Railways

1. ✔ 5040

2. ✖ 1250

3. ✖ 820

4. ✖ 1430

Question Number : 9 Question Id : 6789132809 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

a : b = 7 : 9, b : c = 5 : 11, then a : b : c = ?

Options :

1. ✖ 99 : 45 : 35

2. ✖ 45 : 35 : 99

3. ✔ 35 : 45 : 99

4. ✖ None

Question Number : 10 Question Id : 6789132810 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Gold is 17 times as heavy as water, and copper, 9 times. In what ratio should these metals be mixed so that the mixture may be 12 times as heavy as water?

Options :

1. ✖ 3 : 2

2. ✖ 4 : 3

3. ✔ 3 : 5

4. ✖ 7 : 1

Question Number : 11 Question Id : 6789132811 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

An article was purchased for ₹ 500 and sold for ₹ 850. What is the profit percentage?

Options :

1. ✖ 50%

2. ✖ 60%

3. ✔ 70%

Career Railways

4. ✖ 75%

Question Number : 12 Question Id : 6789132812 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Raju invested ₹ 5,000 at a rate of P% per annum compound interest. After 3 years, he received ₹ 1,655 more. Find the value of P.

Options :

1. ✔ 10

2. ✖ 20

3. ✖ 30

4. ✖ 40

Question Number : 13 Question Id : 6789132813 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A 200-m-long train passes a man, running at 5 km/h in the same direction in which the train is moving, in 15 s. The speed of the train is:

Options :

1. ✖ 52 km/h

2. ✖ 43 km/h

3. ✖ 48 km/h

4. ✔ 53 km/h

Question Number : 14 Question Id : 6789132814 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

15 trainees can do as much work as 4 experts can do in a day. It takes 12 experts and 9 trainees 8 days to dig a pond. How many experts will one need alongside 18 trainees to dig a similar pool in 9 days?

Options :

1. ✖ 6

2. ✔ 8

3. ✖ 10

4. ✖ 12

Question Number : 15 Question Id : 6789132815 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Career Railways

Amit can pack 20 chocolates in 40 minutes. Guneet can pack 30 chocolates in 45 minutes. How many chocolates can they pack together in 1 hour?

Options :

1. ✖ 60

2. ✖ 80

3. ✔ 70

4. ✖ 90

Question Number : 16 Question Id : 6789132816 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Dalia is 20 years older than Neetu and in two years he will be twice as old as Neetu. How old is Neetu now?

Options :

1. ✖ 16 years

2. ✔ 18 years

3. ✖ 20 years

4. ✖ 22 years

Question Number : 17 Question Id : 6789132817 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Two cubes, each of volume 343 cm^3 are joined end to end. The volume of the resulting cuboid is:

Options :

1. ✖ 841 cm^3

2. ✖ 729 cm^3

3. ✖ 720 cm^3

4. ✔ 686 cm^3

Question Number : 18 Question Id : 6789132818 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Pipes J and K can fill a tank in 15 minutes and 20 minutes respectively. How long will it take for the tank to be filled if both pipes are opened at the same time?

Options :

1. ✖ $17\frac{1}{2}$ minutes

Career Railways

2. ✖ $15\frac{2}{3}$ minutes

3. ✖ $11\frac{3}{5}$ minutes

4. ✔ $8\frac{4}{7}$ minutes

Question Number : 19 Question Id : 6789132819 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What was the day of the week on 16-03-2007?

Options :

1. ✖ Tuesday

2. ✖ Wednesday

3. ✖ Thursday

4. ✔ Friday

Question Number : 20 Question Id : 6789132820 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The external length, breadth and height of a box made of 3-cm-thick wood without a lid is 80 cm, 60 cm and 40 cm, respectively. Find the cost of painting its outside walls and the inside surface area at 75 paise per dm^2.

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

Options :

1. ₹ 185.01

2. ₹ 158.01

3. ₹ 518.01

4. ₹ 581.01

Question Number : 21 Question Id : 6789132821 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the median of the first 10 numbers of the Fibonacci Series: A Fibonacci number is the sum of the previous two numbers in the series. The first two Fibonacci numbers are 0 and 1 respectively.

Options :

1. ✖ 3

Career Railways

2. ✔ 4

3. ✖ 4.5

4. ✖ 5

Question Number : 22 Question Id : 6789132822 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If in a triangle $\angle B = 90^\circ$ and $\angle A = 60^\circ$ then $\sin^2 A + \cos^2 A = ?$

Options :

1. ✔ 1

2. ✖ $(\sqrt{3}+1)/2$

3. ✖ $(\sqrt{3}-1)/2$

4. ✖ 3/2

Question Number : 23 Question Id : 6789132823 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The shadow of the vertical tree is $\frac{1}{\sqrt{3}}$ of its height. Find the angle of elevation.

Options :

1. ✔ 60 degrees

2. ✖ 30 degrees

3. ✖ 45 degrees

4. ✖ 90 degrees

Question Number : 24 Question Id : 6789132824 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

9 pens and 5 pencils cost ₹ 154, and 13 pens and 7 pencils cost ₹ 222. What is the cost of one pen and one pencil separately?

Options :

1. ✖ Pen, 6; pencil, 12

2. ✖ Pen, 14; pencil, 4

Career Railways

3. ✔ Pen, 16; pencil, 2

4. ✖ Pen, 15; pencil, 3

Question Number : 25 Question Id : 6789132825 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What will be the area of a triangle if two of its dimensions and the perimeter are 9 cm, 11 cm and 34 cm, respectively?

Options :

1. ✔ $12\sqrt{17}$ sq. cm

2. ✖ $17\sqrt{12}$ sq. cm

3. ✖ $15\sqrt{17}$ sq. cm

4. ✖ $12\sqrt{15}$ sq. cm

Question Number : 26 Question Id : 6789132826 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Srilekha is maternal grandmother of Srivalli. How is Srilekha's only daughter related to Srivalli?

Options :

1. ✖ Grandmother

2. ✔ Mother

3. ✖ Sister

4. ✖ Aunt

Question Number : 27 Question Id : 6789132827 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Sanjana's father's mother is Mani. How is Mani related to Sanjana's sister?

Options :

1. ✔ Paternal grandmother

2. ✖ Sister

3. ✖ Aunt

4. ✖ Mother

Question Number : 28 Question Id : 6789132828 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

X introduces Y to his friends as his only son's wife's son. X is the _____ of Y.

Options :

1. ✖ grandson

2. ✖ son

3. ✔ grandfather

4. ✖ father

Question Number : 29 Question Id : 6789132829 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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

Statements:

I. All tools are solid.

II. Some solid are metals.

Conclusions:

1. All metals are tools.

2. Some metals are solid.

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 : 6789132830 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Pointing to a photograph, Keerthi told Mohan, "The girl in the photograph is the eldest daughter of the brother-in-law of my friend's father". How is the girl related to Keerthi's friend?

Options :

Career Railways

1. ✖ Daughter

2. ✔ Cousin

3. ✖ Sister-in-law

4. ✖ Niece

Question Number : 31 Question Id : 6789132831 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the two conclusions can be concluded on the basis of given statements?

Statement:

Some bats are sticks. All the sticks are rockets.

Conclusion:

1. Some bats are rockets.
2. No stick is bat.

Options :

1. ✔ Only 1 follows

2. ✖ Only 2 follows

3. ✖ Neither 1 nor 2 follows

4. ✖ Either 1 or 2 follows

Question Number : 32 Question Id : 6789132832 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Career Railways

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

Statements:

Mr.X is a great artist .His artworks are famous worldwide.

Conclusions:

I. There are many other artists in this world.

II. Mr. X is one among the great artists.

Options :

1. ✖ Only conclusion I follows

2. ✔ Only conclusion II follows

3. ✖ Neither I nor II follows

4. ✖ Both I and II follow

Question Number : 33 Question Id : 6789132833 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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

Statement:

Anu started at 10.00 AM to attend a meeting at 3.00 P.M

Assumptions:

I. Anu will reach the meeting venue by 11.00 AM

II. Anu will reach the meeting venue before 3.00 P.M

Options :

1. ✖ Only assumption I is implicit

2. ✔ Only assumption II is implicit

3. ✖ Neither I nor II is implicit

Career Railways

4. ✖ Both I and II are implicit.

Question Number : 34 Question Id : 6789132834 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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

Statement:

Sharani booked movie ticket online today for tomorrow's show.

Assumptions:

I. Movie tickets can be booked in advance.

II. Movie tickets can be booked online.

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 : 6789132835 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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

Statement:

"Day-care center will be made available to our staff, so that young mothers don't have to keep their kids away at home," said the CEO of a multinational company.

Conclusions:

I. CEO has announced opening of a day-care center at the work place

II. The CEO is expecting his female employees to use the facility, so that they remain stress-free due to domestic obligations

Options :

1. ✖ Only conclusion I follows

2. ✖ Only conclusion II follows

Career Railways

3. ✖ No conclusion follows

4. ✔ Both the conclusions follow

Question Number : 36 Question Id : 6789132836 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the next number in the series.

2, 10, 44, 224, ?

Options :

1. ✖ 1300

2. ✖ 1344

3. ✔ 1348

4. ✖ 1350

Question Number : 37 Question Id : 6789132837 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the missing term to complete the series.

T–36, W–49, Z–64, ?, F–100

Options :

1. ✖ O–25

2. ✖ G–10

3. ✔ C–81

4. ✖ P–90

Question Number : 38 Question Id : 6789132838 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If Q means +, J means ×, T means –, and K means ÷ then what is the value of 42K3Q9J4T2 = ?

Options :

1. ✔ 48

2. ✖ 50

3. ✖ 55

Career Railways

4. ✖ 57

Question Number : 39 Question Id : 6789132839 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Kiran told Varun that his brother Abhi is 4 years younger than him. Also told that the sum of their ages is 32. Help Varun to find the ages of Kiran and Abhi

Options :

1. ✖ Kiran's age is 12 and Abhi's age is 16

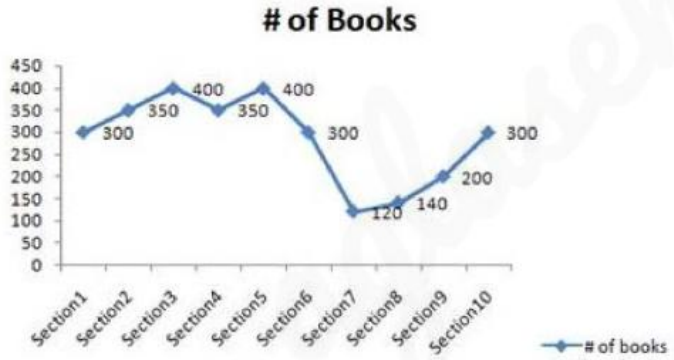
2. ✖ Kiran's age is 16 and Abhi's age is 12

3. ✖ Kiran's age is 10 and Abhi's age is 14

4. ✔ Kiran's age is 18 and Abhi's age is 14

Question Number : 40 Question Id : 6789132840 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Based on the following graph, which sections have more than 360 books?



Options :

1. ✖ Only Section 3

2. ✔ Section 3 and Section 5

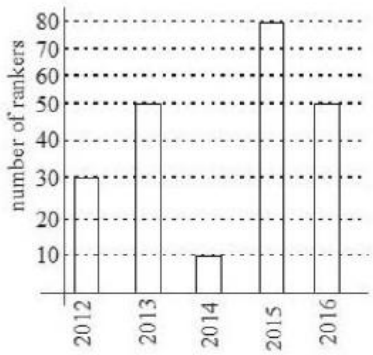
3. ✖ Section 4 and Section 5

4. ✖ Section 5 and Section 6

Question Number : 41 Question Id : 6789132841 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Career Railways

The following bar graph shows the results of the national level entrance exam by the institute 'ABC' for the past five years.



In the year 2012, how many ranks were scored from institute 'ABC'?

Options :

1. ✖ 10

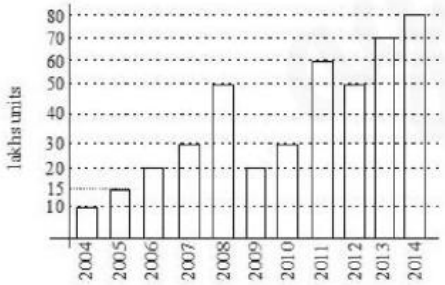
2. ✖ 20

3. ✔ 30

4. ✖ 50

Question Number : 42 Question Id : 6789132842 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The following bar graph shows information on the sales of the personal computers by the company "XYZ" for the last 10 years.



How many lakhs units of personal computers solid by the company XYZ in 2013?

Options :

1. ✖ 60

2. ✔ 70

3. ✖ 80

Career Railways

4. ✖ 90

Question Number : 43 Question Id : 6789132843 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Emma arranges for a kitty party. She divides the total expected expenditure into 5 broad areas. Here is the distribution:

Expense segments	% Expense
1	25
2	20
3	15
4	30
5	10

If she spends ₹ 3,000 on segment 3, what will be her total expense for segment 2 and segment 5, taken together.

Options :

1. ✖ ₹ 2,000

2. ✔ ₹ 6,000

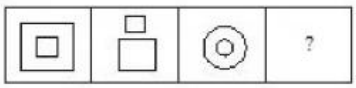
3. ✖ ₹ 1,000

4. ✖ ₹ 3,000

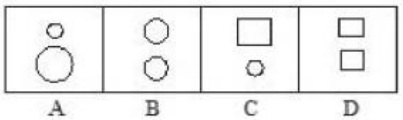
Question Number : 44 Question Id : 6789132844 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the next figure for the given series.

Problem figures:



Answer figures:



Options :

1. ✔ A

Career Railways

2. ✖ B

3. ✖ C

4. ✖ D

Question Number : 45 Question Id : 6789132845 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. ✖ $\sum$

2. ✖ $\frac{d}{dx}$

3. ✖ $\int$

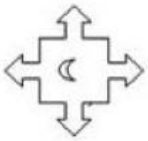
4. ✔ $\square$

Question Number : 46 Question Id : 6789132846 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

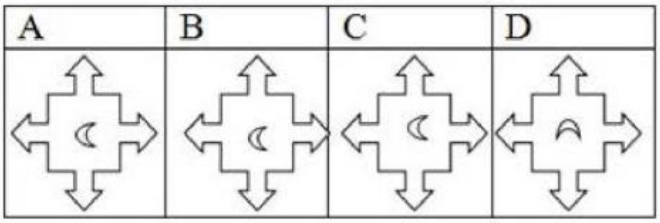
aglasem.com

Which of the option figures bears the closest resemblance to the question figure? Career Railways

Question Figure:



Option Figures:



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

Options :

1. A

2. B

3. C

4. D

Question Number : 47 Question Id : 6789132847 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the odd figure out:



Options :

1. ✖ A

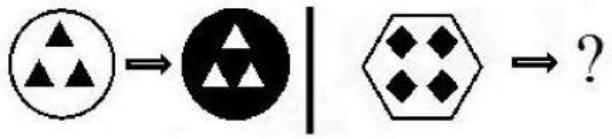
2. ✖ B

Career Railways

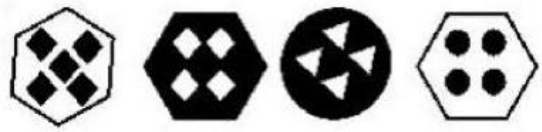
3. ✖ C

4. ✔ D

Question Number : 48 Question Id : 6789132848 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical



Which of the below picture correctly fits the above blank space (?) ?



A B C D

Options :

1. ✖ A

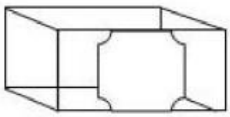
2. ✔ B

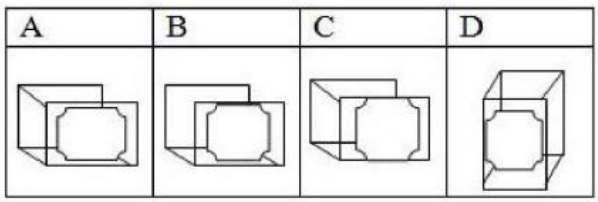
3. ✖ C

4. ✖ D

Question Number : 49 Question Id : 6789132849 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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





Career Railways

Options :

1. ✖ A

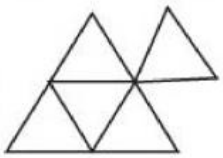
2. ✖ B

3. ✖ C

4. ✔ D

Question Number : 50 Question Id : 6789132850 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the number of triangles in the following figure.



Options :

1. ✖ 5

2. ✔ 6

3. ✖ 7

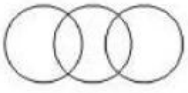
4. ✖ 8

Question Number : 51 Question Id : 6789132851 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Choose the best suitable Venn diagram for the following words:

Wood, Table, Door

Options :

1. ✔ 

2. ✖ 

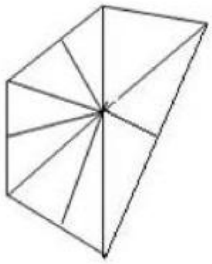
3. ✖ 

Career Railways

4. ✖ 

Question Number : 52 Question Id : 6789132852 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

How many triangles are there in the following figure?



Options :

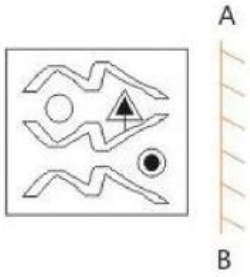
1. ✖ 12

2. ✖ 14

3. ✔ 15

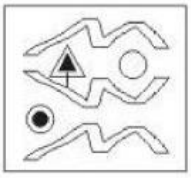
4. ✖ 8

Question Number : 53 Question Id : 6789132853 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

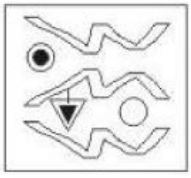


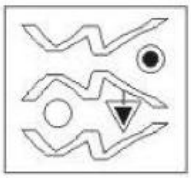
The mirror image of the above figure with respect to the line AB is:

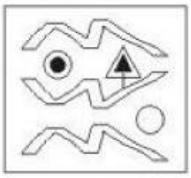
Options :

1. ✔ 

Career Railways

2. ✖ 

3. ✖ 

4. ✖ 

Question Number : 54 Question Id : 6789132854 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Surabhi and Madhura are playing carrom in the standard carrom game seating position. If Surabhi is facing North-East, then her opponent Madhura would be facing which direction?

Options :

1. ✖ North-East

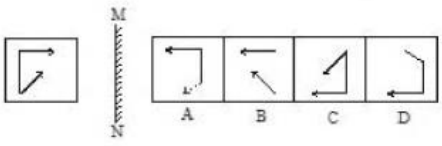
2. ✖ North-West

3. ✖ South-East

4. ✔ South-West

Question Number : 55 Question Id : 6789132855 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:



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

Options :

1. A

Career Railways

2. B

3. C

4. D

Question Number : 56 Question Id : 6789132856 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A car falls off a ledge and drops to the ground in 0.9 s (let $g=10ms^{-2}$).

What is its speed on striking the ground?

Options :

1. ✖ $5\ ms^{-1}$

2. ✔ $9\ ms^{-1}$

3. ✖ $9\ ms^{-2}$

4. ✖ $9.5\ ms^{-1}$

Question Number : 57 Question Id : 6789132857 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What is the thrust per unit area called?

Options :

1. ✔ Pressure

2. ✖ Area

3. ✖ Force

4. ✖ Mass

Question Number : 58 Question Id : 6789132858 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following equations represents position-velocity relation?

Options :

1. ✖ $v = u + at$

2. ✖ $s = +ut + ½\ at^2$

Career Railways

3. ✔ $2as = v^2 - u^2$

4. ✖ $v = u - at$

Question Number : 59 Question Id : 6789132859 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Fill in the blank.

Newton's first law of motion is a measure of _____.

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

Options :

1. acceleration

2. force

3. oscillation

4. momentum

Question Number : 60 Question Id : 6789132860 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of these is NOT a source of energy?

Options :

1. ✖ Nuclei of atoms

2. ✖ The interior of the earth

3. ✖ The tides

4. ✔ The irrigated land

Question Number : 61 Question Id : 6789132861 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the energy possessed by an object of mass 11 kg when it is at a height of 5 m above the ground. Given $g = 9.8ms^{-2}$

Options :

1. ✖ 528 J

2. ✖ 588 J

3. ✔ 539 J

Career Railways

4. ✗ 520 J

Question Number : 62 Question Id : 6789132862 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Mass of an object, m=30 kg, velocity of the object, v=5 ms^{-2}. Find the kinetic energy of the object.

Options :

1. ✗ 375 N

2. ✗ 375 Pa

3. ✓ 375 J

4. ✗ 375 W

Question Number : 63 Question Id : 6789132863 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

For an astronaut in a spaceship, the sky appears _____.

Options :

1. ✗ red

2. ✗ blue

3. ✗ orange

4. ✓ black

Question Number : 64 Question Id : 6789132864 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Wavelength is usually represented by the Greek letter:

Options :

1. ✗ Alpha

2. ✗ Beta

3. ✗ Gamma

4. ✓ Lambda

Question Number : 65 Question Id : 6789132865 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The motion of _____ in an electric circuit constitute an electric current.

Options :

Career Railways

1. ✖ protons

2. ✖ neutrons

3. ✔ electrons

4. ✖ electrodes

Question Number : 66 Question Id : 6789132866 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The amount of electric charge that flows through an electric circuit is 300 C in 10 minutes. Find the current that is drawn by the filament of an electric bulb.

Options :

1. ✖ 5 A

2. ✔ 0.5 A

3. ✖ 2 A

4. ✖ 0.2 A

Question Number : 67 Question Id : 6789132867 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Melting and boiling points of ionic compounds are:

Options :

1. ✖ Moderate

2. ✖ Constant

3. ✖ Low

4. ✔ High

Question Number : 68 Question Id : 6789132868 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In ammonia, N_2 and H_2 are always present in the ratio of _____ of their masses.

Options :

1. ✖ 3 : 14

2. ✔ 14 : 3

Career Railways

3. ✖ 3 : 8

4. ✖ 8 : 3

Question Number : 69 Question Id : 6789132869 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. Shape: According to the type of matter, shape differs, depending upon location of particles. Eg, solids have definite shape while liquids acquire the shape of their container and gases, as such, don't have any shape.

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

Options :

1. ✖ Only A is true

2. ✖ Only B is true

3. ✔ A and B are both true

4. ✖ A and B are both false

Question Number : 70 Question Id : 6789132870 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The pH value of very acidic solution is_____.

Options :

1. ✖ 14

2. ✖ 1

3. ✔ 0

4. ✖ 7

Question Number : 71 Question Id : 6789132871 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If the pH value of a salt is 12 then it is a salt of _____.

Options :

1. ✖ strong acid and weak base

Career Railways

2. ✔ weak acid and strong base

3. ✖ weak acid and weak base

4. ✖ strong acid and strong base

Question Number : 72 Question Id : 6789132872 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following compounds has double bond?

Options :

1. ✖ Propane

2. ✔ Propene

3. ✖ Propyne

4. ✖ Propanol

Question Number : 73 Question Id : 6789132873 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What are the constituents of brass?

Options :

1. ✖ Lead and tin

2. ✔ Copper and zinc

3. ✖ Copper and tin

4. ✖ Chromium and nickel

Question Number : 74 Question Id : 6789132874 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In Modern Periodic Table, period _____ does NOT contain metals.

Options :

1. ✖ 4

2. ✖ 3

3. ✖ 2

Career Railways

4. ✔ 1

Question Number : 75 Question Id : 6789132875 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

X and Y are two elements having similar properties which obey Newland's Law of Octaves. The minimum and the maximum number of elements in between X and Y are ____ and _____, respectively

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

Options :

1. 6 and 8

2. 7 and 15

3. 8 and 14

4. 6 and 13

Question Number : 76 Question Id : 6789132876 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which class of animals have dry and non-glandular skin with scales?

Options :

1. ✖ Amphibian

2. ✖ Mammalian

3. ✖ Aves

4. ✔ Reptilian

Question Number : 77 Question Id : 6789132877 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The apical meristem is found at the apex (growing tips) of the _____.

Options :

1. ✖ leaf and root

2. ✖ branch and roots

3. ✔ stem and roots

4. ✖ root

Career Railways

Question Number : 78 Question Id : 6789132878 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which one of the following is NOT correct for cerebellum?

Options :

1. ✖ It is a part of hind brain

2. ✖ It is much smaller, constituting 12.% of the brain

3. ✖ It lies in the posterior region of the brain

4. ✔ It has two parts called cerebral hemispheres.

Question Number : 79 Question Id : 6789132879 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following shows multiple fission?

Options :

1. ✖ Hydra

2. ✖ Yeast

3. ✖ Planaria

4. ✔ Plasmodium

Question Number : 80 Question Id : 6789132880 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

One of the studies _____ conducted was to do with the role of earthworms in soil fertility.

Options :

1. ✖ Stanley L Miller

2. ✖ Harold C Urey

3. ✔ Charles Darwin

4. ✖ JBS Haldane

Question Number : 81 Question Id : 6789132881 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In 2017, India's Saikhom Mirabai Chanu won gold at the World Weightlifting Championships held in Anaheim, United States. She hails from:

Options :

Career Railways

1. ✖ Sikkim

2. ✔ Manipur

3. ✖ Assam

4. ✖ Arunachal Pradesh

Question Number : 82 Question Id : 6789132882 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who won the French Open mixed doubles title in 2017?

Options :

1. ✔ Rohan Bopanna and Gabriela Dabrowski

2. ✖ Rohan Bopanna and Anna-Lena Groenefeld

3. ✖ Rohan Bopanna and Robert Farah

4. ✖ Rohan Bopanna and Sania Mirza

Question Number : 83 Question Id : 6789132883 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 Kuldeep Yadav associated?

Options :

1. ✖ Boxing

2. ✖ Kabaddi

3. ✔ Cricket

4. ✖ Wrestling

Question Number : 84 Question Id : 6789132884 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who is the author of the book "Exam Warriors"

Options :

1. ✖ Kamlesh D. Patel

2. ✖ Shashi Tharoor

Career Railways

3. ✔ Narendra Modi

4. ✖ Satya Nadella

Question Number : 85 Question Id : 6789132885 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who among the following won the 'IIFA Woman of the Year' award at the 18th edition of the International Indian Film Academy Awards?

Options :

1. ✖ Alia Bhatt

2. ✔ Taapsee Pannu

3. ✖ Shraddha Kapoor

4. ✖ Kareena Kapoor

Question Number : 86 Question Id : 6789132886 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who has been elected as the new chairman of Film and Television Institute of India (FTII) in 2017?

Options :

1. ✖ Rajat Sharma

2. ✔ Anupam Kher

3. ✖ Prasoon Joshi

4. ✖ Sambit Patra

Question Number : 87 Question Id : 6789132887 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who among the following is an Indian IT industrialist and the co-founder of a multinational corporation providing business consulting, technology, engineering and outsourcing services?

Options :

1. ✖ Alok Sharma

2. ✔ N. R. Narayana Murthy

3. ✖ Shailesh Vara

Career Railways

4. ✖ Rishi Sunak

Question Number : 88 Question Id : 6789132888 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who among the following became the first Indian gymnast to win an individual medal at the Gymnastics World Cup at the Hisense Arena?

Options :

1. ✖ Sakshi Malik

2. ✖ Pranati Nayak

3. ✖ Dipa Karmakar

4. ✔ Aruna Budda Reddy

Question Number : 89 Question Id : 6789132889 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

As on March 2018, how many participants of Indian origin attended the 46th edition of the Know India Programme (KIP)?

Options :

1. ✖ 10

2. ✖ 20

3. ✔ 40

4. ✖ 30

Question Number : 90 Question Id : 6789132890 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Before swearing in as the 14th President of India, which portfolio did Ram Nath Kovind handle?

Options :

1. ✖ Speaker of the Lok Sabha

2. ✖ Chief Minister of Bihar

3. ✖ Vice President

4. ✔ Governor of Bihar

Career Railways

Question Number : 91 Question Id : 6789132891 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

How many seats did Samajwadi party win in the 2017 Uttar Pradesh assembly elections?

Options :

1. ✖ 65

2. ✖ 49

3. ✔ 47

4. ✖ 31

Question Number : 92 Question Id : 6789132892 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The Indian Cabinet approved an MOU with which country for cooperation in Health Sector on March 1st 2018?

Options :

1. ✖ Australia

2. ✖ Sri Lanka

3. ✖ Canada

4. ✔ Jordan

Question Number : 93 Question Id : 6789132893 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What is the minimum age required to be eligible as a member of Lok Sabha?

Options :

1. ✖ 45 years

2. ✖ 35 years

3. ✔ 25 years

4. ✖ 21 years

Question Number : 94 Question Id : 6789132894 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who among the following is associated with Doctrine of lapse?

Options :

1. ✖ Lord Irwin

Career Railways

2. ✖ Lord Canning

3. ✔ Lord Dalhousie

4. ✖ Lord Salisbury

Question Number : 95 Question Id : 6789132895 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Gautama Buddha used _____, the language of the common people, to preach.

Options :

1. ✔ Prakrit

2. ✖ Pali

3. ✖ Magadhi

4. ✖ Sanskrit

Question Number : 96 Question Id : 6789132896 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following is the capital of Ireland?

Options :

1. ✖ Cardiff

2. ✖ Edinburgh

3. ✔ Dublin

4. ✖ Newport

Question Number : 97 Question Id : 6789132897 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following is the currency of Botswana?

Options :

1. ✖ Dram

2. ✖ Riel

3. ✖ Dollar

Career Railways

4. ✔ Pula

Question Number : 98 Question Id : 6789132898 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Nagpur is famous for _____.

Options :

1. ✖ Apples

2. ✔ Oranges

3. ✖ Jute

4. ✖ Saffron

Question Number : 99 Question Id : 6789132899 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Recently 'National Health Stack' was unveiled by which of the following ministries?

Options :

1. ✖ Finance ministry

2. ✖ Health & Family welfare ministry

3. ✖ PMO

4. ✔ NITI Aayog

Question Number : 100 Question Id : 6789132900 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who launched DARPAN (The Digital Advancement of Rural Post Office for A New India) to improve the quality of service, add value to services and achieve financial inclusion of un-banked rural population?

Options :

1. ✖ The Ministry of Finance

2. ✖ The Ministry of Human Resource Development

3. ✖ The Ministry of Education

4. ✔ The Union Ministry of Communications