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 16th Oct 2018 Shift1
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 : 6913524001 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Solve the following equation:

$17.3 \times 17.3 - 2.7 \times 2.7 = ?$

Options :

1. ✖ 282

2. ✔ 292

3. ✖ 290

4. ✖ 272

Question Number : 2 Question Id : 6913524002 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the value of x for the following equation.

$$\frac{144}{0.144} = \frac{14.4}{x}$$

Options :

1. ✖ 0.0001

2. ✔ 0.0144

3. ✖ 0.01

4. ✖ 0.1

Question Number : 3 Question Id : 6913524003 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A container has 990 litres of oil. How much oil is to be added so that the volume of the oil would be the smallest perfect square number in 4 digits?

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

Options :

1. 104 litres

2. 180 litres

3. 124 litres

4. 130 litres

Question Number : 4 Question Id : 6913524004 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If the number of digits in a perfect square are 3 or 4 then the number of digits in the square root of that number is _____.

Options :

1. ✔ 2

2. ✖ 1

3. ✖ 3

4. ✖ 4

**Question Number : 5 Question Id : 6913524005 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Which one of the following is the smallest?

$$\frac{1}{8}, \frac{2}{12}, \frac{3}{16}, \frac{4}{20}$$

Options :

1. ✔ $\frac{1}{8}$

2. ✖ $\frac{2}{12}$

3. ✖ $\frac{3}{16}$

4. ✖ $\frac{4}{20}$

**Question Number : 6 Question Id : 6913524006 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

If $x^2 + \frac{2x}{5} + \frac{1}{25} = 0$, then $\left(x - \frac{2}{3}\right)^2 =$?

Options :

1. ✖ $\frac{1}{3}$

2. ✖ $\frac{44}{169}$

3. ✔ $\frac{169}{225}$

4. ✖ $\frac{225}{256}$

**Question Number : 7 Question Id : 6913524007 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

A 14 m rope was divided into three parts with the lengths of the first two parts being 4.58 m and 4.96 m respectively.
Find the length of the third part of the rope.

Options :

1. ✖ 4.54 m

2. ✔ 4.46 m

3. ✖ 4.56 m

4. ✖ 4.36 m

Question Number : 8 Question Id : 6913524008 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the least number that should be subtracted from 20000 so that the difference is divisible by 15, 16 and 25.

Options :

1. ✖ 300

2. ✖ 400

3. ✖ 600

4. ✔ 800

Question Number : 9 Question Id : 6913524009 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The sides of hexagon are enlarged by three times. Find the ratio of the areas of the new and old hexagons.

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

Options :

1. 1 : 9

2. 2 : 7

3. 3 : 9

4. 5 : 23

Question Number : 10 Question Id : 6913524010 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The ratio of milk and water is 4 : 1 in a 35 liter mixture. If 7 liters of water is added to the mixture, find the ratio of milk and water.

Options :

1. ✔ 2 : 1

2. ✖ 2 : 3

3. ✖ 1 : 3

4. ✖ 2 : 7

Question Number : 11 Question Id : 6913524011 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The population of a city increases by 5% every year. If the population is now 1,85,220, what was its population a year ago?

Options :

1. ✔ 1,76,400

2. ✖ 1,70,500

3. ✖ 1,76,200

4. ✖ 1,76,000

Question Number : 12 Question Id : 6913524012 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The ratio of sand to gravel in a mixture is 41 : 30, whereas that of gravel to cement is 6 : 7. What is the ratio of sand to cement in the same mixture?

Options :

1. ✖ 11 : 7

2. ✖ 77 : 48

3. ✔ 41 : 35

4. ✖ 8 : 6

Question Number : 13 Question Id : 6913524013 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

45 people can produce 40000 bulbs in 12 days. How many extra people are to be employed to produce 100000 bulbs in 9 days?

Options :

1. ✖ 100

2. ✔ 105

3. ✖ 110

4. ✖ 120

Question Number : 14 Question Id : 6913524014 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Parimal and his sister can together paint the walls of their house in 54 days. If Parimal alone did the job, it would have taken him 81 days. If the duo started painting together but Parimal's sister had to leave 9 days before the completion of the work, how many days in all did it take the duo to paint their house?

Options :

1. ✖ 60

2. ✖ 56

3. ✖ 58

4. ✔ 57

Question Number : 15 Question Id : 6913524015 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Jiban and Jyoti can do a certain work individually in 6 and 8 days respectively. However, they decided to do the same work together for ₹ 3,200. To expedite, they asked for Panu's help and completed the work in 3 days. How much did Panu receive?

Options :

1. ✖ ₹ 1,600

2. ✖ ₹ 1,200

3. ✖ ₹ 899

4. ✔ ₹ 400

Question Number : 16 Question Id : 6913524016 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

On applying an anti-bacteria medicine it has been observed that i) No. of bacteria is reduced by 4% in the first hour; ii) The number is increased by 5% in the second hour; and iii) The number is increased by 10% in the 3rd hour. If the number of bacteria is 500000, then what is the % increase in the number of bacteria at the end of the 3rd hour?

Options :

1. ✖ 9.58%

2. ✖ 10.02%

3. ✖ 11.08%

4. ✔ 10.88%

Question Number : 17 Question Id : 6913524017 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 25th May 1666?

Options :

1. ✖ Monday

2. ✔ Tuesday

3. ✖ Wednesday

4. ✖ Thursday

**Question Number : 18 Question Id : 6913524018 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

If the difference between the ages of two persons is 7. If the ratios of their ages is 7:9, find the age of the younger one.

Options :

1. ✔ 24.5 years

2. ✖ 24 years

3. ✖ 25.5 years

4. ✖ 26.5 years

**Question Number : 19 Question Id : 6913524019 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

The sum of the ages of Sindu and Bindu is 30 years. The product of their ages is 221. Find their ages.

Options :

1. ✖ 18 years and 12 years

2. ✖ 16 years and 14 years

3. ✖ 15 years and 15 years

4. ✔ 17 years and 13 years

**Question Number : 20 Question Id : 6913524020 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Pipes A and B can fill a tank in 7hrs and 10hrs respectively while Pipe C can empty the tank in 14 hours. If all the pipes are opened together how long will it take for the tank to fill?

Options :

1. ✖ $5\frac{1}{2}$ hours

2. ✖ $6\frac{2}{3}$ hours

3. ✔ $5\frac{5}{6}$ hours

4. ✖ $6\frac{1}{6}$ hours

Question Number : 21 Question Id : 6913524021 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The three sides of a triangle are 5 cm, 12 cm and 13 cm long. A smaller triangle is formed by joining the mid-points of the sides of the smaller triangle. The area of the smaller triangle is _____ cm^2.

Options :

1. ✖ 32.5

2. ✖ 30

3. ✖ 15

4. ✔ 7.5

Question Number : 22 Question Id : 6913524022 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

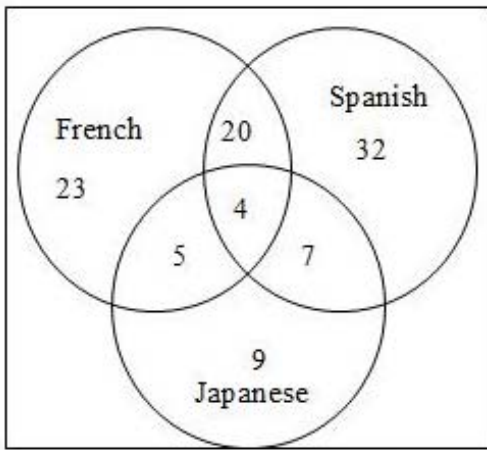The probability of drawing an Ace card from a deck of cards is:

Options :

1. ✔ $\frac{1}{13}$

2. ✖ $\frac{9}{13}$

3. ✖ $\frac{15}{26}$

4. ✖ $\frac{12}{13}$

Question Number : 23 Question Id : 6913524023 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The diagram represents the number of students in a class who study 3 languages. The number of students studying exactly two languages are:

Options :

1. ✔ 32

2. ✘ 45

3. ✘ 64

4. ✘ 100

Question Number : 24 Question Id : 6913524024 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical
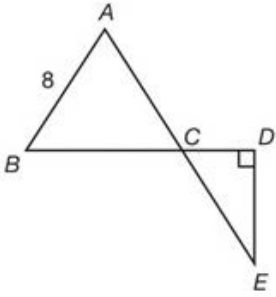
Find the value of

$$a^3 + b^3 + c^3 - 3abc \text{ if } a + b + c = 16 \text{ and } ab + bc + ca = 78$$

Options :

1. ✘ 218

2. ✔ 352

3. ✘ 220

4. ✘ 320

Question Number : 25 Question Id : 6913524025 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In the figure below, triangle ABC is an equilateral triangle and triangle CDE is a right triangle. Find the length of side BD, If the length of side AE is 20 units.

Options :

1. ✖ 12 units

2. ✖ 13 units

3. ✔ 14 units

4. ✖ 15 units

Question Number : 26 Question Id : 6913524026 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Sagar is brother of Vanaja. How is Vanaja's daughter related to Sagar?

Options :

1. ✖ Aunt

2. ✔ Niece

3. ✖ Daughter

4. ✖ Sister

Question Number : 27 Question Id : 6913524027 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

How is Varun's sister's only brother's mother's brother related to him?

Options :

1. ✖ Son

2. ✔ Maternal Uncle

3. ✖ Cousin

4. ✖ Brother

Question Number : 28 Question Id : 6913524028 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Lehar introduces Ayan as the only son of her father. Ayan and Lehar are _____.

Options :

1. ✘ cousins

2. ✔ siblings

3. ✘ brothers

4. ✘ sisters

Question Number : 29 Question Id : 6913524029 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 paintings are beautiful.

II. All beautiful are stunning.

Conclusions:

1.   All paintings are stunning.

2.   Some stunning are beautiful.

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 : 6913524030 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Select the term that relates to the third term in the same way as the second term relates to the first term.

Primate : Gorilla : : Marsupial : ?

Options :

1. ✘ Gorilla

2. ✔ Kangaroo

3. ✖ Ape

4. ✖ Lemur

Question Number : 31 Question Id : 6913524031 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 Drops are Pegs. Some Bottles are Drops

Conclusions:

1. Some Drops are Empty

2. Bottles are pegs

Options :

1. ✖ Only (1) follows

2. ✖ Only (2) follows

3. ✖ Either (1) or (2) follows

4. ✔ Neither (1) nor (2) follows

Question Number : 32 Question Id : 6913524032 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Read the statement and identify the logically correct conclusion from the given information.

Statement:

Madhuri Dixit is a great dancer. She is very flexible.

Conclusions:

I.   All dancers are mostly flexible.

II.   All dancers are not flexible.

Options :

1. ✖ Only conclusion I is correct

2. ✖ Only conclusion II is correct

3. ✔ Neither I nor II is correct

4. ✖ Both I and II is correct

Question Number : 33 Question Id : 6913524033 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:

"I would like to do survey on the effect of fairness cream advertisement on men." X says to Y.

Assumptions:

I. The impact of fairness cream advertisement on men can be found out through a survey.

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

Options :

1. ✖ Only assumption I is implicit

2. ✖ Only assumption II is implicit

3. ✖ Neither I nor II is implicit

4. ✔ Both I and II are implicit.

Question Number : 34 Question Id : 6913524034 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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

Statement:

An advertisement in a newspaper by a pharm company – "Our capsule a day after dinner cures diabetes in six months."

Assumptions:

I. The viewers are interested in curing diabetes
II. The company is pharmaceutical

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 : 35 Question Id : 6913524035 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:

While promoting a film, the production team makes key points to be presented before the media.

Conclusions:

I.   The production team is keen on what needs to be conveyed to the media about the film, so they create the right propaganda

II.   The production team expects the film to be successful

Options :

1. ✖ Only conclusion I follows

2. ✖ Only conclusion II follows

3. ✖ No conclusion follows

4. ✔ Both the conclusions follow

Question Number : 36 Question Id : 6913524036 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.

7, 14, 42, 168, ?, 5040

Options :

1. ✔ 840

2. ✖ 850

3. ✖ 800

4. ✖ 860

Question Number : 37 Question Id : 6913524037 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which alphanumeric character set will follow next in the given series?

10D, 13E, 16F, 19G, ?

Options :

1. ✖ 20G

2. ✔ 22H

3. ✖ 22C

4. ✖ 15B

Question Number : 38 Question Id : 6913524038 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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

In the above series 6th term to the right of 15th from right is:

Options :

1. ✖ P

2. ✖ 3

3. ✖ $

4. ✔ N

Question Number : 39 Question Id : 6913524039 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Srinesh want to renovate his office flooring which consists of 2,800 marble tiles. Each tile measures 3cm length and 5cm breadth. Calculate the cost of polishing the floor at the rate of ₹ 25 per m^2.

Options :

1. ✔ ₹ 105

2. ✖ ₹ 115

3. ✖ ₹ 125

4. ✖ ₹ 100

Question Number : 40 Question Id : 6913524040 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Geeta bakes cakes for events. For a birthday party, she made a cake and sold it for ₹ 700. The cost price of the ingredients for making the cake was ₹ 350. What is the percentage of her profit margin?
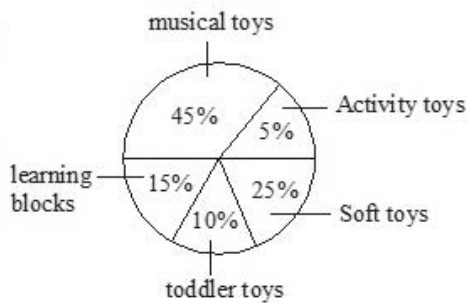
Options :

1. ✔ 100%

2. ✖ 200%

3. ✖ 150%

4. ✖ 50%

Question Number : 41 Question Id : 6913524041 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The following pie chart shows information on the sales of a toy making company "XYZ" during 2017-18 financial year.

The total revenue from the sale of all types of toys is ₹ 38,72,000/-

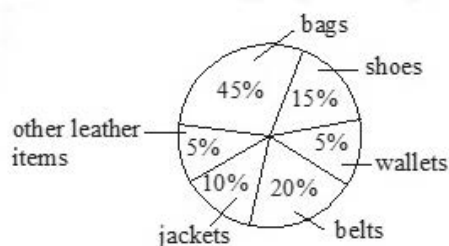What is the sales revenue earned on activity toys by the company "XYZ".

Options :

1. ✖ 2,96,600

2. ✔ 1,93,600

3. ✖ 3,87,200

4. ✖ 1,52,719

Question Number : 42 Question Id : 6913524042 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The following pie diagram shows the revenue of the company ABC, which manufactures the leather products. The total revenue of the company for the year 2015 was ₹ 36,28,000.

How much revenue was made on the sales of other leather products?

Options :

1. ✖ ₹ 90,700

2. ✔ ₹ 1,81,400

3. ✖ ₹ 3,62,800

4. ✖ ₹ 7,25,000

Question Number : 43 Question Id : 6913524043 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

On an average, Meenu uses 15% of her monthly salary in shopping and visiting restaurants and malls. Rest of the 40% goes into running the household and 45% goes into her savings.

If, in a month, she spends ₹ 40,000 on household, what is her annual income?
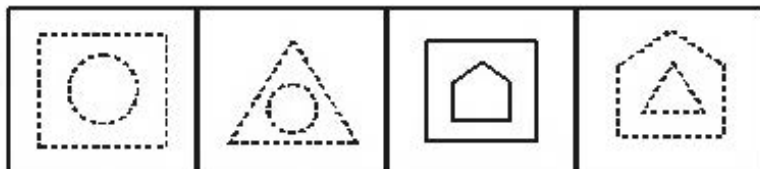
Options :

1. ✔ ₹ 12,00,000

2. ✖ ₹ 14,00,000

3. ✖ ₹ 10,00,000

4. ✖ ₹ 10,20,000

Question Number : 44 Question Id : 6913524044 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

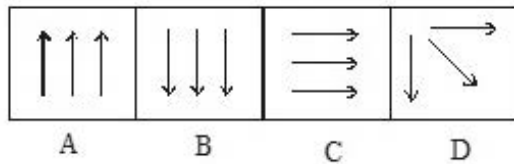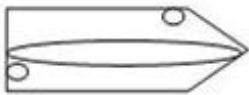Find the ODD one out:

Options :

1. ✖ A

2. ✖ B

3. ✔ C

4. ✖ D

Question Number : 45 Question Id : 6913524045 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Identify the odd one from the given figures.

A   B   C   D

Options :
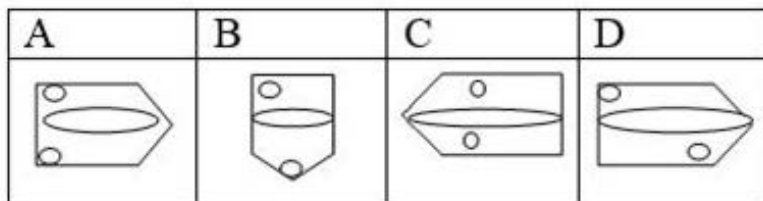
1. ✖ A

2. ✖ B

3. ✖ C

4. ✔ D

Question Number : 46 Question Id : 6913524046 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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

Question Figure:

Option Figures:

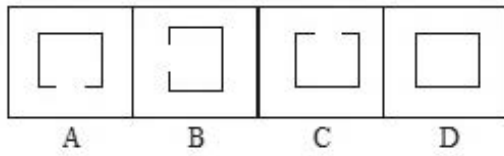| A	B	C	D

Options :

1. ✖ A

2. ✖ B

3. ✖ C

4. ✔ D

Question Number : 47 Question Id : 6913524047 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the odd one out:

A   B   C   D

Options :

1. ✖ A

2. ✖ B

3. ✖ C

4. ✔ D

Question Number : 48 Question Id : 6913524048 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical
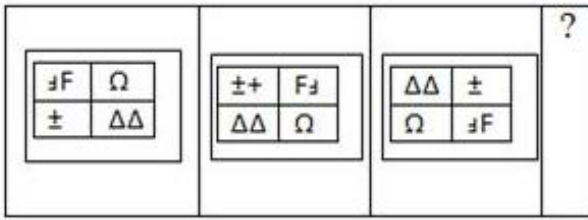
Find ODD one out

Options :

1. ✔

2. ✖

3. ✖

4. ✖

Question Number : 49 Question Id : 6913524049 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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

Question figures:

ꓱF	Ω
±	ΔΔ

±+	Fꓺ
ΔΔ	Ω

ΔΔ	±
Ω	ꓱF

?

Option Figures:

A

±+	Ω
Fꓺ	ΔΔ

B

ΔΔ	Ω
Fꓺ	±

C

Ω	ΔΔ
Fꓺ	±+

D

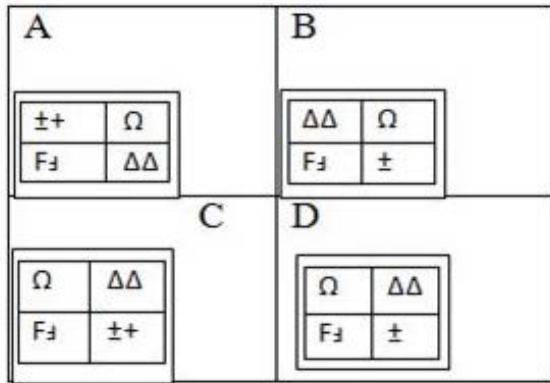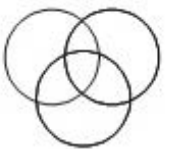| Ω	ΔΔ
Fꓺ	±

Options :

1. ✖ A

2. ✖ B

3. ✔ C

4. ✖ D

Question Number : 50 Question Id : 6913524050 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 classes:

Fabrics, Shirt, Lock

Options :

1. ✔

2. ✖

3. ✖

4. ✖

Question Number : 51 Question Id : 6913524051 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What is the total number of squares in the below figure?

Options :

1. ✔ 35

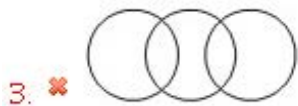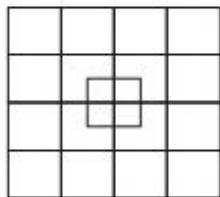2. ✖ 36

3. ✖ 37

4. ✖ 38

Question Number : 52 Question Id : 6913524052 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

From a cloth store 15 bought black dress, 15 bought red dress, 20 bought blue dress, 2 bought all the three colours and 8 bought at least two of these. How many bought exactly one dress?

Options :

1. ✔ 32

2. ✖ 40

3. ✖ 45

4. ✖ 25

Question Number : 53 Question Id : 6913524053 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the options is the rotated image of the given figure?

A   B   C   D

Options :

1. ✖ A

2. ✖ B

3. ✔ C

4. ✖ D

Question Number : 54 Question Id : 6913524054 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Suresh is facing towards East direction, he then turns 45°Anticlockwise, then 270°Clockwise. In which direction is he facing now?
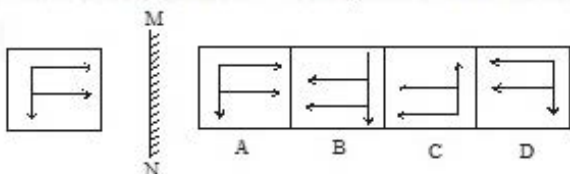
Options :

1. ✖ North-East

2. ✔ North-West

3. ✖ South-East

4. ✖ South-West

Question Number : 55 Question Id : 6913524055 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 : 6913524056 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Pressure is equals to:

Options :

1. ✖ Thrust / mass

2. ✖ Thrust / volume

3. ✖ work / area

4. ✔ Thrust / area

Question Number : 57 Question Id : 6913524057 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If an object is pulled on both ends, then the force applied on it is known as _____.

Options :

1. ✖ momentum

2. ✖ friction

3. ✔ tension

4. ✖ impulse

Question Number : 58 Question Id : 6913524058 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Objects move with a constant speed when no _____ acts on them

Options :

1. ✖ pressure

2. ✔ force

3. ✖ velocity

4. ✖ mass

Question Number : 59 Question Id : 6913524059 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which among the following pairs has the most inertia?

Options :

1. ✖ A rubber ball and a stone of the same size

2. ✖ A scooter and a bus

3. ✔ A train and an aeroplane

4. ✖ A ten rupee coin and a five rupee coin

Question Number : 60 Question Id : 6913524060 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The capability of doing work by an object, or energy possessed by an object, depends on:

Options :

1. ✖ Motion of the object in a particular direction

2. ✔ Position and state of the object that is doing work

3. ✖ Magnitude and direction of the object

4. ✖ Mass and volume of the object

Question Number : 61 Question Id : 6913524061 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 8 m above the ground. Given $g=9.8$ ms^{-2} .

Options :

1. ✔ 862.4 J

2. ✖ 588 J

3. ✖ 539 J

4. ✖ 520 J

Question Number : 62 Question Id : 6913524062 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If a bullet is fired from a gun and the gun recoils, then the kinetic energy of the gun will be:

Options :

1. ✔ less than that of the bullet

2. ✘ more than that of the bullet

3. ✘ same as that of the bullet

4. ✘ zero

Question Number : 63 Question Id : 6913524063 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 about the speed of sound in different media at 25 °C

   A. In steel, the speed of sound 5960 m/s

   B. In nickel, the speed of sound 6040 m/s.

Options :

1. ✘ Only A is true

2. ✘ Only B is true

3. ✔ Both A and B are true

4. ✘ Neither A nor B is true

Question Number : 64 Question Id : 6913524064 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In which of the following a convex mirror is used?

Options :

1. ✘ Vehicle's headlight

2. ✔ Rear-view mirror

3. ✘ Dentist's mirror

4. ✘ Shaving mirror

Question Number : 65 Question Id : 6913524065 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The work done across two points having a potential difference of 12 V is 36 J .Then the electric charge flowing between the two point is: _____.
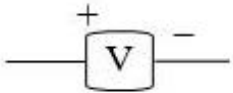
Options :

1. ✖ 0.3 C

2. ✔ 3 C

3. ✖ 5 C

4. ✖ 432 C

Question Number : 66 Question Id : 6913524066 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The above symbol represents _____.

Options :

1. ✖ a resistor of resistance R

2. ✖ wire crossing without joining

3. ✔ a voltmeter

4. ✖ variable resistance or rheostat

Question Number : 67 Question Id : 6913524067 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The molecular mass of ozone is:

Options :

1. ✔ 48 u

2. ✖ 32 u

3. ✖ 16 u

4. ✖ 8 u

Question Number : 68 Question Id : 6913524068 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The formula unit mass of CaO is:

Options :

1. ✖ 46

2. ✔ 56

3. ✘ 39

4. ✘ 60

Question Number : 69 Question Id : 6913524069 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

A solution contains 41 g of common salt in 320 g of water. Calculate the concentration in terms of mass by mass percentage of the solution.

Options :

1. ✔ 11.36%

2. ✘ 11.36 g

3. ✘ 10.36%

4. ✘ 12.36%

Question Number : 70 Question Id : 6913524070 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Compounds of which of the following metals is used in black and white photography?

Options :

1. ✘ Cu

2. ✘ Au

3. ✔ Ag

4. ✘ Al

Question Number : 71 Question Id : 6913524071 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

In general, a neutralisation reaction can be written as:

Options :

1. ✘ Base + acid→ salt + precipitate

2. ✘ Base + acid→ salt + gas

3. ✔ Base + acid→ salt + water

4. ✖ Base + acid →water + gas

Question Number : 72 Question Id : 6913524072 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The property of a metal by which it can be drawn into wires is called:

Options :

1. ✖ conductivity

2. ✖ malleability

3. ✔ ductility

4. ✖ sonority

Question Number : 73 Question Id : 6913524073 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The general formula of alkane is:

Options :

1. ✔ $CnH_2n + 2$

2. ✖ $CnH_2n - 2$

3. ✖ CnH_2n

4. ✖ $CnH_3n - 3$

Question Number : 74 Question Id : 6913524074 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In Mendeleev's periodic table, elements belonging to which of the following groups found the place in the table later?

Options :

1. ✖ Sc, Ga and Mg

2. ✖ Sc, Ga and Ca

3. ✖ Sc, Ga and Na

4. ✔ Sc, Ga and Ge

Question Number : 75 Question Id : 6913524075 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

_____ is NOT a transition metal.

Options :

1. ✔ Np

2. ✘ Zr

3. ✘ Re

4. ✘ Tc

Question Number : 76 Question Id : 6913524076 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following is FALSE of Rhizoids?

Options :

1. ✘ They are protuberances that extend from the lower epidermal cells of bryophytes.

2. ✔ They have well-defined stem, root and leaves.

3. ✘ They are similar in structure and function to the root hairs of vascular land plant.

4. ✘ They are multi-cellular composed of multiple tissues that.

Question Number : 77 Question Id : 6913524077 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the below is an example of permanent tissue?

Options :

1. ✘ Skin

2. ✘ Bone

3. ✘ Blood

4. ✔ Xylem

Question Number : 78 Question Id : 6913524078 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Each neuron is formed of a cyton (cell body) from which arises a number of smaller branched processes called:

Options :

1. ✘ Reflex action

2. ✖ Sympathetic division

3. ✔ Dendrites

4. ✖ Axon

Question Number : 79 Question Id : 6913524079 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

_____is about a 20 cm long tube that carries urine from the urinary bladder.

Options :

1. ✖ Testes

2. ✖ Scrotum

3. ✔ Urethra

4. ✖ Penis

Question Number : 80 Question Id : 6913524080 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The vas deferens unites with a tube coming from the urinary bladder to form a common passage called the _____ .

Options :

1. ✖ Ureter

2. ✔ Urethra

3. ✖ Seminal vesicle

4. ✖ Testis

Question Number : 81 Question Id : 6913524081 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In 2017, which of the following teams won the Hero I-League Football?

Options :

1. ✔ Aizawl FC

2. ✖ Mohun Bagan

3. ✖ Kingfisher East Bengal

4. ✖ Minerva Punjab FC

Question Number : 82 Question Id : 6913524082 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which Chess championship title did grandmaster Viswanathan Anand win in the tournament held in Riyadh, Saudi Arabia in 2017?

Options :

1. ✖ Chess World Cup

2. ✔ World Rapid Chess Championship

3. ✖ Candidates Tournament

4. ✖ World Senior Chess Championship

Question Number : 83 Question Id : 6913524083 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which country has recently declared Yoga as a Sport Activity?

Options :

1. ✖ Pakistan

2. ✖ Iraq

3. ✔ Saudi Arabia

4. ✖ France

Question Number : 84 Question Id : 6913524084 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who was awarded the 53rd Jnanpith Award for the year 2017?

Options :

1. ✖ Kedarnath Singh

2. ✖ Shankha Ghosh

3. ✔ Krishna Sobti

4. ✖ Akhlaq Mohammed Khan 'Shahryar'

Question Number : 85 Question Id : 6913524085 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who was bestowed with the Padma Bhushan Award 2017 in the category of Literature and Education-Journalism?

Options :

1. ✔ Cho Ramaswamy

2. ✖ Rajdeep Sardesai

3. ✖ Vikram Chandra

4. ✖ Sudhir Chaudhary

Question Number : 86 Question Id : 6913524086 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who has played the lead actor role in the recent movie 'Sanju'?

Options :

1. ✖ Sanjay Dutt

2. ✖ Ranveer Singh

3. ✖ Akshay Kumar

4. ✔ Ranbir Kapoor

Question Number : 87 Question Id : 6913524087 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which Regiment of the Indian Army completed 250 years in 2018?

Options :

1. ✔ Maratha Light Infantry

2. ✖ Punjab Regiment

3. ✖ Jat Regiment

4. ✖ Rajput Regiment

Question Number : 88 Question Id : 6913524088 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who has been appointed as the private banking head of HDFC Bank?

Options :

1. ✖ Ramesh Singh

2. ✖ Rajesh Singh

3. ✔ Rakesh Singh

4. ✘ Ratnesh Singh

Question Number : 89 Question Id : 6913524089 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Name the British businessman of Indian-origin who has been appointed by Prince Charles as the official ambassador for the Industrial Cadets Programme which aims at nurturing manufacturing skills.

Options :

1. ✘ Swaraj Paul

2. ✘ Lakshmi Mittal

3. ✘ Prakash Lohia

4. ✔ Sanjeev Gupta

Question Number : 90 Question Id : 6913524090 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which state government organised the "Anandam" programme to help needy people?

Options :

1. ✔ Madhya Pradesh

2. ✘ Bihar

3. ✘ Kerala

4. ✘ Tamil Nadu

Question Number : 91 Question Id : 6913524091 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who is the current MP representing Varanasi Lok Sabha constituency and has held office since 2014?

Options :

1. ✔ Narendra Modi

2. ✘ Murli Manohar Joshi

3. ✘ Rajesh Kumar Mishra

4. ✘ Shankar Prasad Jaiswal

Question Number : 92 Question Id : 6913524092 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following Indian State Political party is led by E. Madhusudhanan?

Options :

1. ✖ All India N. R. Congress

2. ✖ Pattali Makkal Katchi

3. ✖ Rashtriya Janata Dal

4. ✔ All India Anna Dravida Munnetra Kazhagam

Question Number : 93 Question Id : 6913524093 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The idea of introducing Fundamental Rights in the Constitution of India was inspired from which country's constitution?

Options :

1. ✖ England

2. ✖ Australia

3. ✔ USA

4. ✖ Canada

Question Number : 94 Question Id : 6913524094 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which movement was led in India by the Ali brothers Shaukat and Muhammad ʿAlī?

Options :

1. ✖ Quit India Movement

2. ✔ Khilafat Movement

3. ✖ Chalo Dilli Movement

4. ✖ Boycott Movement

Question Number : 95 Question Id : 6913524095 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The epics of the Sangam period, Silappadikaram and Manimekalai, were written in _____.

Options :

1. ✔ Tamil

2. ✘ Sanskrit

3. ✘ Pali

4. ✘ Paishachchi

Question Number : 96 Question Id : 6913524096 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Meghalaya, a hilly strip in eastern India, was originally a part of _____.

Options :

1. ✘ Sikkim

2. ✘ West Bengal

3. ✘ Manipur

4. ✔ Assam

Question Number : 97 Question Id : 6913524097 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The name India is derived from _____ river.

Options :

1. ✘ Ganga

2. ✘ Irrawaddy

3. ✔ Indus

4. ✘ Brahmaputra

Question Number : 98 Question Id : 6913524098 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What is the new Repo rate announced by the Reserve Bank of India (RBI) as on 1st August 2018?

Options :

1. ✘ 6

2. ✘ 5.75

3. ✔ 6.5

4. ✖ 6.25

Question Number : 99 Question Id : 6913524099 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The interest rates of banks are fixed and regulated by which of the following organisations?

Options :

1. ✖ Finance Ministry

2. ✖ SBI

3. ✔ RBI

4. ✖ SEBI

Question Number : 100 Question Id : 6913524100 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What is the approximate expected growth of the Indian Labour force by 2020?

Options :

1. ✖ 175-185 million

2. ✔ 160-170 million

3. ✖ 125-130 million

4. ✖ 60-70 million