

Question Paper Preview

Notations :

- Options shown in green color and with ✓ icon are correct.
- Options shown in red color and with ✗ icon are incorrect.

Question Paper Name:	RRB Level 1 23rd Oct Shift2
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 : 6789134101 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Solve the following equation:

$$(7.5 \times 7.5 - 2.5 \times 2.5) \div (1.5^2 + 2.75) = ?$$

Options :

1. ✗ 20

2. ✗ 50

3. ✓ 10

4. ✗ 5

Question Number : 2 Question Id : 6789134102 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Tina equally divided 12.6 kg of rice in 5 containers. If there is 1.75 kg of rice left, how much rice (in kg) each container contains?

Options :

1. ✖ 2.52
2. ✖ 2.15
3. ✔ 2.17
4. ✖ 2.50

Question Number : 3 Question Id : 6789134103 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Solve:

$$\frac{\sqrt{5}}{\sqrt{3}-\sqrt{2}} - \frac{3\sqrt{3}}{\sqrt{5}-\sqrt{2}} - \frac{\sqrt{8}}{\sqrt{5}+\sqrt{3}} = ?$$

Options :

1. ✖ -1
2. ✖ $-\frac{1}{2}$
3. ✔ 0
4. ✖ $\frac{1}{2}$

Question Number : 4 Question Id : 6789134104 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

By how much does the sum of 14.443 and 23.657 exceed the sum of 13.627 and 12.536?

Options :

1. ✖ 12.937
2. ✔ 11.937
3. ✖ 12.024
4. ✖ 12.640

Question Number : 5 Question Id : 6789134105 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

A train crosses a pole in 15 seconds and 100 meters long platform in 25 seconds. Find out the length of train in meters.

Options :

1. ✖ 155 m
2. ✔ 150 m
3. ✖ 145 m
4. ✖ 149 m

Question Number : 6 Question Id : 6789134106 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 the test of divisibility for a number by 11?

Options :

1. ✖ The number should end in 11.
2. ✖ The sum of the digits should be divisible by 11.
3. ✔
The difference between the sums of digits at alternate places of the number should be divisible by 11.
4. ✖ The last three digits of the number should be divisible by 11.

Question Number : 7 Question Id : 6789134107 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

x and y , given correct to 2 decimal place, are given as 5.51 and 3.50 respectively. What is the minimum value of $x + y$?

Options :

1. ✔ 9.000
2. ✖ 8.990
3. ✖ 8.995
4. ✖ 9.010

Question Number : 8 Question Id : 6789134108 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

What is the smallest number greater than 3000 which, when divided by 4, 7 and 10 respectively, leaves remainders of 3, 6 and 9?

Options :

1. ✖ 3081

2. ✓ 3079

3. ✗ 3080

4. ✗ 3101

Question Number : 9 Question Id : 6789134109 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Increase 40 cm in the ratio of 5 : 8

Options :

1. ✓ 64 cm

2. ✗ 72 cm

3. ✗ 65 cm

4. ✗ 73 cm

Question Number : 10 Question Id : 6789134110 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

A and B enter into a partnership investing ₹ 12,000 and ₹ 6,000 in a business respectively. After 8 months, C also joins the business with a capital of ₹ 15,000. The share of C in a profit of ₹ 33,600 after 2 years will be:

Options :

1. ✓ ₹ 12,000

2. ✗ ₹ 10,000

3. ✗ ₹ 15,000

4. ✗ ₹ 22,000

Question Number : 11 Question Id : 6789134111 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

A man bought some pens at the rate of 10 for ₹ 40 and sold all of them at 8 for ₹ 35. Find his gain or loss percent.

Options :

1. ✓ 9.375% gain

2. ✗ 12.5% loss

3. ✗ 30% loss

4. ✖ 35% gain

Question Number : 12 Question Id : 6789134112 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

What is the difference between the compound interest and simple interest on ₹ 8,500 at 10 % rate of interest for 2 years?

Options :

1. ✖ ₹ 68

2. ✖ ₹ 50

3. ✔ ₹ 85

4. ✖ ₹ 70

Question Number : 13 Question Id : 6789134113 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

If 8 typists typing 6 hours a day take 15 days to type a manuscript of a book, then how many days will 9 typists typing 8 hours a day take to complete the same job?

Options :

1. ✖ 9

2. ✔ 10

3. ✖ 7

4. ✖ 11

Question Number : 14 Question Id : 6789134114 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

A can complete a task in 8 days, while it takes 10 days for B to complete the same task. They start working together but A had to leave 1 day before the task was completed. For how many days did A work?

Options :

1. ✖ 2

2. ✖ 3

3. ✖ 3.5

4. ✔ 4

Question Number : 15 Question Id : 6789134115 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

When a man travels equal distance at speeds U and V kmph, his average speed is 14 kmph. But when he travels at these speeds for equal times his average speed is 14.5kmph such that the difference of the two speeds is $\frac{5}{2}\sqrt{X}$, then 'X' is?

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

Options :

1. 12
2. 13
3. 14
4. 15

Question Number : 16 Question Id : 6789134116 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

In an election between two candidates, the candidate who gets 40% is rejected by a majority of 2400 votes. Find the total number of votes polled.

Options :

1. ✖ 13000
2. ✖ 13200
3. ✔ 12000
4. ✖ 13400

Question Number : 17 Question Id : 6789134117 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Two pipes can fill a cistern in 5 hours and 3 hours, respectively, whereas a third pipe can drain the cistern in 7.5 hours.

If all the three pipes were opened together when the cistern was $\frac{1}{10}$ th full, how long will it take for the cistern to be completely full?

Options :

1. ✖ 2 hours
2. ✔ 2 hours 15 minutes
3. ✖ 2 hours 20 minutes
4. ✖ 2 hours 30 minutes

Question Number : 18 Question Id : 6789134118 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Two pipes fill a tank when working individually in 6.3 hours and 8.4 hours respectively, while a third pipe can drain the filled tank in 4.8 hours. If all three pipes are opened simultaneously when the tank is empty, how long will it take to fill the tank completely?

Options :

1. ✖ 13 hours 20 mins
2. ✖ 12 hours 18 mins
3. ✔ 14 hours 24 mins
4. ✖ 14 hours 18 mins

Question Number : 19 Question Id : 6789134119 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Find out the reflex angle between the hour hand and the minutes hand of a clock when it shows 10:35 AM.

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

Options :

1. 193°
2. 192.5°
3. 197°
4. 180°

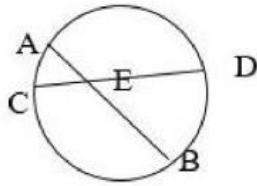
Question Number : 20 Question Id : 6789134120 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

The volume of a right circular cone whose radius of the base is ten times its altitude is a sixth of the volume of a sphere. The ratio of the radii of the cone and the sphere is

Options :

1. ✖ 20 : 3
2. ✖ $\sqrt{20}:\sqrt{3}$
3. ✔ $1:\sqrt[3]{150}$
4. ✖ $\sqrt[3]{4}:\sqrt[3]{3}$

Question Number : 21 Question Id : 6789134121 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical



In the circle above $m\overline{AE} = 5$ cm, $m\overline{BE} = 15$ cm and $m\overline{CE} = 25$ cm. What is $m\overline{DE}$?

Options :

1. ✖ 2 cm
2. ✖ 1 cm
3. ✖ 2.5 cm
4. ✔ 3 cm

Question Number : 22 Question Id : 6789134122 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

If $\frac{(3a-4)}{3} + \frac{(2a+3)}{2} = a + \frac{7}{6}$, then $a = ?$

Options :

1. ✖ 0
2. ✖ 2
3. ✔ 1
4. ✖ 3

Question Number : 23 Question Id : 6789134123 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

When 7 is added to twice a whole number, the resultant number is 203. Find the whole number.

Options :

1. ✖ 14
2. ✖ 26
3. ✖ 35
4. ✔ 98

Question Number : 24 Question Id : 6789134124 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Smaller side of a parallelogram is 4.8 cms and the larger side is 1.5 times that of the smaller. Find out the perimeter of the parallelogram.

Options :

1. ✖ 48 cms
2. ✔ 24 cms
3. ✖ 72 cms
4. ✖ 36 cms

Question Number : 25 Question Id : 6789134125 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

If $a^2 + \frac{1}{a^2} = 7$, then $a^3 + \frac{1}{a^3} = ?$

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

Options :

1. $7\sqrt{7}$
2. $\pm 27\frac{1}{27}$
3. $\pm 7\sqrt{7}$
4. ± 18

Question Number : 26 Question Id : 6789134126 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Raju and Bose are brothers. How is Raju's father's only sister related to Bose?

Options :

1. ✔ Paternal Aunt
2. ✖ Sister
3. ✖ Mother
4. ✖ Grandmother

Question Number : 27 Question Id : 6789134127 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Sanjana is sister of Pradha. How is Pradha's mother's sister related to Sanjana?

Options :

1. ✖ Sister
2. ✔ Maternal Aunt
3. ✖ Mother
4. ✖ Grandmother

Question Number : 28 Question Id : 6789134128 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Ananya introduces Avadh as the only son of the only son of her father, Ram. Ram is the _____ of Avadh?

Options :

1. ✖ Paternal Uncle
2. ✖ Maternal Grandfather
3. ✖ Grand son
4. ✔ Paternal Grandfather

Question Number : 29 Question Id : 6789134129 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

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

Statements:

- I. No cars are buses.
- II. All buses are big.

Conclusions:

1. Some cars are big.
2. Some buses are cars.

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 : 6789134130 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.

Volcano : Lava :: Fire : ?

Options :

1. ✖ Burns
2. ✔ Smoke
3. ✖ Flashes
4. ✖ Light

Question Number : 31 Question Id : 6789134131 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:

All thieves are women.

No women is cultured.

Conclusions:

1. All thieves are uncultured.
2. Some women are thieves.

Options :

1. ✖ Only conclusion 1 follows
2. ✖ Only conclusion 2 follows
3. ✔ Both 1 and 2 follows
4. ✖ Either 1 or 2 follows

Question Number : 32 Question Id : 6789134132 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:

“We sell the best quality rice in the city”, states a notice in the shop.

Conclusions:

- I. One can get the best quality rice from this shop.
- II. No other shop sells quality rice.

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 : 6789134133 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

What will the next term be?

!@#, #@!, @#!, ?

Options :

- 1. ✓ !@#
- 2. ✗ #@!
- 3. ✗ @#!
- 4. ✗ #@!

Question Number : 34 Question Id : 6789134134 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:

Some birds are peacocks.

Some sparrows are peacocks.

Conclusions:

I. Some peacocks are sparrows.

II. Some peacocks are birds.

Options :

1. ✖ only I follows
2. ✖ only II follow
3. ✖ either I or II follows
4. ✔ both I and II follow

Question Number : 35 Question Id : 6789134135 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

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

Statement:

Taking vitamin supplements is no solution to counter deficiency. A proper diet must be ensured along with that for better absorption.

Arguments:

I. Yes, not having proper diet is the only reason for mal-absorption of vitamins

II. No, vitamins when consumed in excess gets excreted out of the system

Options :

1. ✔ Only argument I is strong
2. ✖ Only argument II is strong
3. ✖ Both arguments I and II are strong
4. ✖ Neither I nor II is strong

Question Number : 36 Question Id : 6789134136 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

If $\div$ means $-$, $-$ means $+$, $+$ means $\times$ and $\times$ means $\div$, then

$$50 \times 5 + 10 \div 15 - 13 = ?$$

Options :

1. ✓ 98

2. ✗ -98

3. ✗ -89

4. ✗ 89

Question Number : 37 Question Id : 6789134137 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

If P means $\times$, R means $+$, T means $\div$ and S means $-$, then what is the value of $24T3P10S4R9 = ?$

Options :

1. ✗ 80

2. ✓ 85

3. ✗ 82

4. ✗ 90

Question Number : 38 Question Id : 6789134138 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

If $+$ means $-$, $\times$ means $\div$, $\div$ means $+$ and $-$ means $\times$, then what is the value of:

$$162 \times 2 - 6 + 28 \div 84$$

Options :

1. ✗ 540

2. ✓ 542

3. ✗ 560

4. ✗ 600

Question Number : 39 Question Id : 6789134139 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Vimal has given the following alphabet series to Kamal. Help Kamal in choosing the correct option.

ZB, YD, _____, WH, _____, UL.

Options :

1. ✓ XF, VJ

2. ✗ VF, XJ

3. ✖ XE, VK

4. ✖ VE, XK

Question Number : 40 Question Id : 6789134140 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Read the given question and decide which of the following statements is/are sufficient to answer the question.

Question:

Which bag is the lightest among Q, R and S?

Statements:

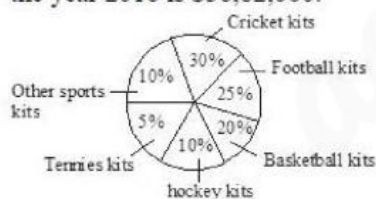
1. Q is heavier than R and S.
2. S is heavier than R.

Options :

1. ✖ Statement 1 alone is sufficient.
2. ✔ Statements 1 and 2 together are sufficient.
3. ✖ Statement 2 alone is sufficient.
4. ✖ Statements 1 and 2 together are insufficient.

Question Number : 41 Question Id : 6789134141 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

The following pie diagram shows information on sale of sports kits by company XYZ. The total revenue made during the year 2016 is \$36,82,000.



What was the revenue made by company “XYZ” in 2016 through “Tennis kits” (in \$) sales?

Options :

1. ✖ 7,36,400
2. ✖ 3,68,200
3. ✔ 18,4100
4. ✖ 9,2050

Question Number : 42 Question Id : 6789134142 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:

How many policemen are there in the city?

Statements:

1. There is one policemen per 1000 people.
2. The city has a population of 1000000.

Options :

1. ✖ Statement 1 alone is sufficient while statement 2 alone is not sufficient
2. ✖ Statement 2 alone is sufficient while statement 1 alone is not sufficient
3. ✖ Either statement 1 or 2 alone is sufficient
4. ✔ Both statements 1 and 2 together are sufficient

Question Number : 43 Question Id : 6789134143 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

The sales of a particular company over 4 years are given in the following table.

	Sales in lakhs
Year 1	35
Year 2	80
Year 3	90
Year 4	100

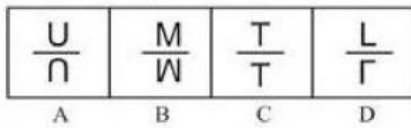
What is the percentage difference in sales from Year 2 to Year 4?

Options :

1. ✖ 25% decrease
2. ✖ 20% decrease
3. ✔ 25% increase
4. ✖ 20% increase

Question Number : 44 Question Id : 6789134144 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

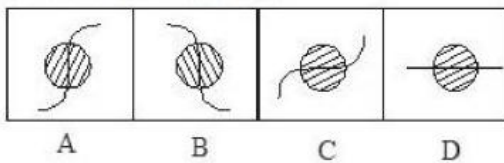
2. ✖ B

3. ✔ C

4. ✖ D

Question Number : 45 Question Id : 6789134145 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 : 46 Question Id : 6789134146 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Which does NOT belong to this group?

- A. Mobile
- B. Laptop
- C. Palmtop
- D. Blender

Options :

1. ✖ A

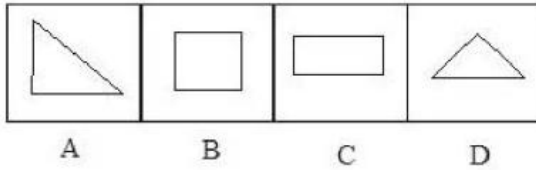
2. ✖ B

3. ✖ C

4. ✔ D

Question Number : 47 Question Id : 6789134147 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

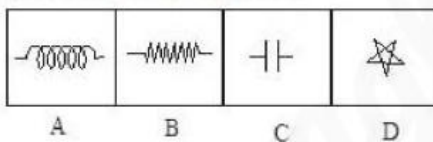
2. ✖ B

3. ✖ C

4. ✔ D

Question Number : 48 Question Id : 6789134148 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

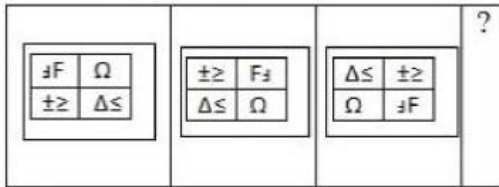
3. ✖ C

4. ✔ D

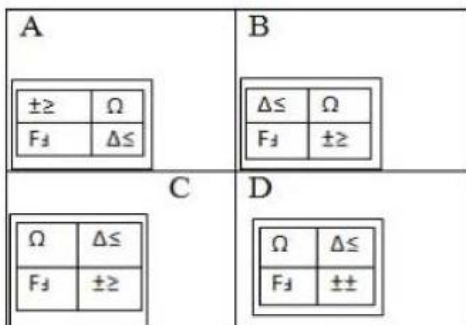
Question Number : 49 Question Id : 6789134149 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

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

Question figures:



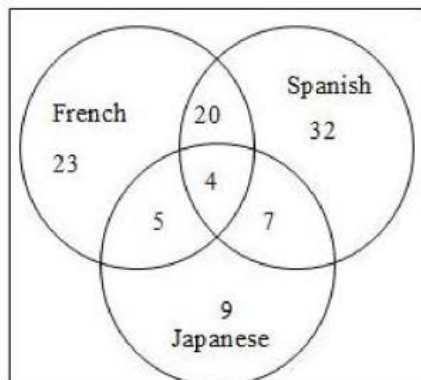
Option Figures:



Options :

1. ✖ A
2. ✖ B
3. ✔ C
4. ✖ D

Question Number : 50 Question Id : 6789134150 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.

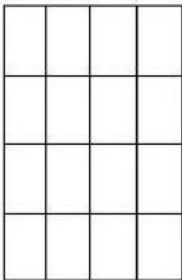
The number of students studying exactly two languages are:

Options :

1. ✓ 32
2. ✗ 45
3. ✗ 64
4. ✗ 100

Question Number : 51 Question Id : 6789134151 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

How many rectangles are there in the above figure?



Options :

1. ✗ 90
2. ✓ 100
3. ✗ 80
4. ✗ 95

Question Number : 52 Question Id : 6789134152 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

A seller sold 50 customers readymade pants of three different shades. 20 bought khaki and black colour. 10 bought black and grey colour. 15 bought grey and khaki colour. 10 bought all the three shades. How many bought exactly one shade of the pant?

Options :

1. ✗ 30
2. ✓ 25
3. ✗ 37
4. ✗ 35

Question Number : 53 Question Id : 6789134153 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical



Which of the below option is the rotated image of the above figure?



A



B



C



D

Options :

1. ✖ A

2. ✖ B

3. ✔ C

4. ✖ D

Question Number : 54 Question Id : 6789134154 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Mr. X runs a marathon starting from point A. He runs 5 km towards the north and reaches point B, then turns right and runs 6 km to reach point C, then turns right and runs 8 km and reaches point D, then turns right runs 10 km and reaches point E, then turns right runs 6 km and reaches point F, then turns right runs 1 km and reaches point G, then turns right runs 3 km and reaches point H.

The shortest distance between points C and E is:

Options :

1. ✔ $2\sqrt{41}$

2. ✖ $\sqrt{41}$

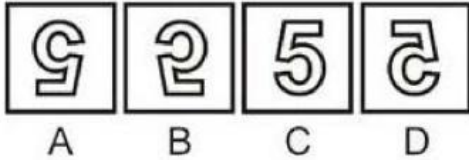
3. ✖ $3\sqrt{41}$

4. ✖ 41

Question Number : 55 Question Id : 6789134155 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 is



Options :

1. ✖ A
2. ✖ B
3. ✖ C
4. ✔ D

Question Number : 56 Question Id : 6789134156 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Momentum = _____.

Options :

1. ✖ Mass $\times$ acceleration
2. ✖ Mass $\times$ density
3. ✔ Mass $\times$ velocity
4. ✖ Mass / volume

Question Number : 57 Question Id : 6789134157 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

When a body is immersed in water, its weight decreases from 4 N in the air to 2 N in water. Calculate the amount of Buoyant Force acting on the body in water.

Options :

1. ✖ 5 N
2. ✖ 8 N
3. ✔ 2 N

4. ✖ 3 N

Question Number : 58 Question Id : 6789134158 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

A boat starting from rest accelerates in a straight line at a constant rate of 3 ms^{-2} for 8 s. Find the distance travelled by the boat during this time.

Options :

1. ✖ 96 ms^{-2}

2. ✔ 96 m

3. ✖ 96 ms^{-1}

4. ✖ 96 ms

Question Number : 59 Question Id : 6789134159 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

A cricket ball of mass 100 gm moving with a velocity of 30m/s is brought to rest by a player in 0.05 sec. The average force exerted by the player is:

Options :

1. ✖ 40 N

2. ✔ -60 N

3. ✖ 60 N

4. ✖ 15 N

Question Number : 60 Question Id : 6789134160 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Which one is not true about energy?

Options :

1. ✔ Energy released during conversion goes to the vacuum.

2. ✖ Energy is a measurement of the ability of something to do work.

3. ✖ Energy can be stored and measured in many forms.

4. ✖ Energy is not a material substance.

Question Number : 61 Question Id : 6789134161 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

A boy, of mass 50 kg, runs up a staircase of 45 steps in 10 s. If the height of each step is 16 cm, find his power. Take $g = 10 \text{ ms}^{-2}$

Options :

1. ☒ 360 W
2. ☐ 360 J
3. ☐ 387.5 W
4. ☐ 337.5 ms

Question Number : 62 Question Id : 6789134162 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

If work has negative value, the body on which work has been done:

Options :

1. ☐ Has a zero value
2. ☐ Remains unchanged
3. ☐ Gains energy
4. ☒ Loses energy

Question Number : 63 Question Id : 6789134163 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/false about speed of sound in different media at 25 °C?

A. In water (sea), the speed of sound is 1531 km/s.

B. In water (distilled), the speed of sound is 1498 km/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 : 6789134164 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Which of the following has maximum optically denser medium?

Options :

1. ✖ Air
2. ✖ Water
3. ✔ Benzene
4. ✖ Turpentine

Question Number : 65 Question Id : 6789134165 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

An electric motor is a device which converts electric energy into:

Options :

1. ✖ Chemical energy
2. ✖ Radiant energy
3. ✖ Potential energy
4. ✔ Mechanical energy

Question Number : 66 Question Id : 6789134166 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

How much work is done in moving a charge of 5 C across two points having a potential difference of 15V?

Options :

1. ✖ 45 J
2. ✖ 48 J
3. ✔ 75 J
4. ✖ 40 J

Question Number : 67 Question Id : 6789134167 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

The maximum number of electrons that can be accommodated in the 4th energy level is:

Options :

1. ✖ 18

2. ✓ 32

3. ✗ 8

4. ✗ 2

Question Number : 68 Question Id : 6789134168 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Dalton's atomic theory provided an explanation for:

Options :

1. ✗ Laws of chemical combination and law of definite proportion
2. ✓ Law of conservation of mass and the law of definite proportions
3. ✗ Law of conservation of mass and the law of chemical combination
4. ✗ Law of definite proportions and the law of chemical combination

Question Number : 69 Question Id : 6789134169 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

In which of the following are the forces of attraction the maximum?

Options :

1. ✓ Solids
2. ✗ Liquids
3. ✗ Gases
4. ✗ Plasma

Question Number : 70 Question Id : 6789134170 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

The reaction in which two compounds exchange their ions to form two new compounds is called:

Options :

1. ✓ Double Displacement reaction
2. ✗ Decomposition reaction
3. ✗ Isomerization reaction

4. ✖ Combination

Question Number : 71 Question Id : 6789134171 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. A balanced chemical equation has an equal number of atoms of different elements in the reactants and products.
- B. An unbalanced chemical equation has an unequal number of elements of one or more elements in the reactants and products.

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 : 72 Question Id : 6789134172 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Identify the liquid metal that is used in thermometers.

Options :

- 1. ✖ Gold
- 2. ✔ Mercury
- 3. ✖ Silver
- 4. ✖ Magnesium

Question Number : 73 Question Id : 6789134173 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. Out of 114 elements, 22 are non-metals, and other are metals.
- B. Every ore is a mineral but every mineral is not an ore

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 : 74 Question Id : 6789134174 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Which of the following has the maximum malleability?

Options :

- 1. ✖ Lithium (Li)
- 2. ✖ Mercury (Hg)
- 3. ✖ Titanium (Ti)
- 4. ✔ Gold (Au)

Question Number : 75 Question Id : 6789134175 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

How many metalloids are present in the fourth period of the Modern Periodic Table?

Options :

- 1. ✖ 1
- 2. ✔ 2
- 3. ✖ 3
- 4. ✖ 0

Question Number : 76 Question Id : 6789134176 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Algae are the most primitive plants and are found exclusively in:

Options :

- 1. ✔ water
- 2. ✖ air
- 3. ✖ mud
- 4. ✖ sand

Question Number : 77 Question Id : 6789134177 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Tissues present around the edges in a lateral manner and giving rise to growth in girth of the stem are called _____.

Options :

1. ✖ Apical Meristematic tissues
2. ✔ Lateral Meristematic tissues
3. ✖ Vertical Meristematic tissues
4. ✖ Cambium

Question Number : 78 Question Id : 6789134178 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

'I pulled my hand back from the flame reflexly'. Which organ is responsible for such an action?

Options :

1. ✖ Cerebrum
2. ✔ Spinal cord
3. ✖ Cerebellum
4. ✖ Pons

Question Number : 79 Question Id : 6789134179 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

During puberty, the secretion of sweat glands and sebaceous glands increases. What elements get secreted during this time through these glands?

Options :

1. ✖ Sweat and salt
2. ✔ Sweat and oil
3. ✖ Oil and water
4. ✖ Water and mineral

Question Number : 80 Question Id : 6789134180 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Which of the following plants has lost the capacity to produce seeds?

Options :

1. ✖ Mango
2. ✖ Mustard

3. ✖ Watermelon

4. ✔ Jasmine

Question Number : 81 Question Id : 6789134181 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Which Indian player reached the finals of the 2018 Australian Open – Mixed Doubles?

Options :

1. ✔ Rohan Bopanna

2. ✖ Leander Paes

3. ✖ Yuki Bhambri

4. ✖ Somdev

Question Number : 82 Question Id : 6789134182 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

The Asian Games were started in the year _____.

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

Options :

1. 1950

2. 1949

3. 1952

4. 1953

Question Number : 83 Question Id : 6789134183 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Which sport/game is associated with the Yonex Cup?

Options :

1. ✖ Table Tennis

2. ✖ Kabaddi

3. ✖ Cricket

4. ✔ Badminton

Question Number : 84 Question Id : 6789134184 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

The first Brahmaputra Literary Festival was held in:

Options :

1. ✖ Kohima
2. ✖ Roorkee
3. ✔ Guwahati
4. ✖ Raipur

Question Number : 85 Question Id : 6789134185 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

The National Youth Day is observed on 12th January to mark the birth anniversary of which of the following social reformers?

Options :

1. ✖ Ramakrishna Paramahansa
2. ✖ Dayananda Saraswati
3. ✖ Raja Ram Mohan Roy
4. ✔ Swami Vivekanand

Question Number : 86 Question Id : 6789134186 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Which of the following book was written by Kalhana during ancient India?

Options :

1. ✔ Rajatarangini
2. ✖ Harshacharita
3. ✖ Mudrarakshasha
4. ✖ Vikramorvashiyam

Question Number : 87 Question Id : 6789134187 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Who is the youngest pilot in India and the first female pilot from Kashmir?

Options :

1. ✖ Anny Divya
2. ✔ Ayesha Aziz
3. ✖ Avani Chaturvedi
4. ✖ Saarah Hameed Ahmed

Question Number : 88 Question Id : 6789134188 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Who was appointed as Director General of Sports Authority of India in February 2018?

Options :

1. ✖ P T Usha
2. ✖ Dhanraj Pillay
3. ✔ Neelam Kapoor
4. ✖ Vijay Amritraj

Question Number : 89 Question Id : 6789134189 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

The Union Ministry of Women and Child Development recently conducted an Indian Organic Festival in 2018 focused on women. Which movie celebrity was the brand ambassador for this festival?

Options :

1. ✔ Juhi Chawla
2. ✖ Madhuri Dixit
3. ✖ Karishma Kapoor
4. ✖ Shabana Azmi

Question Number : 90 Question Id : 6789134190 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Pawan Chamling is the current (2018) Chief Minister of which Indian State?

Options :

1. ✖ Manipur
2. ✖ Assam

3. ✖ Tripura

4. ✔ Sikkim

Question Number : 91 Question Id : 6789134191 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

The Union Government has setup _____ Committee, as External Affairs formed to examine India-China relations.

Options :

1. ✖ Sushma Swaraj

2. ✖ Videshi Paryatan Sambandh

3. ✖ Ghoomta Aaina

4. ✔ Shashi Tharoor

Question Number : 92 Question Id : 6789134192 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

In January 2018, the Telangana government constituted the Scheduled Castes and Scheduled Tribes (SC and ST) Commission. Who will be the head of the commission?

Options :

1. ✖ Kursam Neela Devi

2. ✖ Sirikonda Mandal

3. ✔ Errolla Srinivas

4. ✖ Sunkapaka Devaiah

Question Number : 93 Question Id : 6789134193 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

As of August 2018, who is the chief minister of Manipur?

Options :

1. ✖ Shivraj Singh Chauhan

2. ✔ N. Biren Singh

3. ✖ Manik Sarkar

4. ✖ Arvind Kejriwal

Question Number : 94 Question Id : 6789134194 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Razia Sultan was the daughter of _____.

Options :

1. ✖ Muhammad Tughlaq
2. ✖ Qutb-ud-din Aibak
3. ✔ Iltutmish
4. ✖ Muhammad of Ghor

Question Number : 95 Question Id : 6789134195 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Ibn Batuta was an Arab traveller and adventurer from _____.

Options :

1. ✖ Greece
2. ✖ China
3. ✖ Spain
4. ✔ Morocco

Question Number : 96 Question Id : 6789134196 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

The oldest oil refinery in India, Digboi is in _____.

Options :

1. ✖ Mathura
2. ✖ Meghalaya
3. ✔ Assam
4. ✖ Kalol

Question Number : 97 Question Id : 6789134197 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

The capital of _____ is Panaji.

Options :

1. ✖ Mahe
2. ✔ Goa
3. ✖ Daman
4. ✖ Diu

Question Number : 98 Question Id : 6789134198 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

The headquarters of International Monetary Fund (IMF) is located in which country?

Options :

1. ✔ USA
2. ✖ Canada
3. ✖ China
4. ✖ Singapore

Question Number : 99 Question Id : 6789134199 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Sukanya Samriddhi Yojana was launched by the Government of India as a sub scheme under:

Options :

1. ✖ Swachh Bharat Abhiyan
2. ✖ Suganya Bharat Abhiyan
3. ✖ Grameen Kaushal Abhiyan
4. ✔ Beti Bachao Beti Padhao

Question Number : 100 Question Id : 6789134200 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Which is India's first 'cashless' Island?

Options :

1. ✔ Karang Island
2. ✖ Landfall Island

3. ✖ Little Andaman Island

4. ✖ Havelock Island

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