

## 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 25th 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?:            | Yes                         |
| Highlighter:                           | No                          |
| Auto Save on Console?:                 | No                          |

|                       |     |
|-----------------------|-----|
| Display Number Panel: | Yes |
| Group All Questions:  | No  |

Question Number : 1 Question Id : 302616301 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Rationalise the denominator of  $\frac{1}{(5+2\sqrt{3})}$  :

Options :

1. ✗  $\frac{(5-2\sqrt{3})}{12}$

2. ✗  $5 + \frac{2\sqrt{3}}{13}$

3. ✓  $\frac{(5-2\sqrt{3})}{13}$

4. ✖  $5 - \frac{2\sqrt{3}}{13}$

Question Number : 2 Question Id : 302616302 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What is the tenth number in the sequence: 12, 19, 26, 33 ....

Options :

1. ✖ 89

2. ✖ 82

3. ✔ 75

4. ✖ 68

Question Number : 3 Question Id : 302616303 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A very high straight tree is broken approximately from the middle due to a storm. The broken part, however, is not detached from the tree and the broken top rests on the ground at a distance of 12 m, from the base of the tree. What is the length of the broken part, in metres, if the tree is broken at a height of 37 m from the ground?

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

Options :

1. 30 metres

2. 31 metres

3. 34 metres

4. 35 metres

Question Number : 4 Question Id : 302616304 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The LCM and HCF of two numbers are 171360 and 14 respectively. If one of the numbers is 2142, find the other.

Options :

1. ✖ 80

2. ✖ 12240

3. ✔ 1120

4. ✖ 4128

Question Number : 5 Question Id : 302616305 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The value of  $(5 \times 8) + 12 \div 4 \times 2 + 8 - 2$  is:

Options :

1. ✖ 42

2. ✔ 52

3. ✖ 48

4. ✖ 62

Question Number : 6 Question Id : 302616306 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If  $\frac{5}{3}$  of a pizza costs ₹ 300, then  $\frac{3}{5}$  of a pizza will cost:

Options :

1. ✖ ₹ 180

2. ✖ ₹ 144

3. ✔ ₹ 108

4. ✖ ₹ 150

Question Number : 7 Question Id : 302616307 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

How much would one need to add to the difference of 5.62 and 3.76 to get 10?

Options :

1. ✖ 4.38

2. ✖ 0.62

3. ✔ 8.14

4. ✖ 6.24

Question Number : 8 Question Id : 302616308 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What is the HCF of  $\frac{15}{14}$ ,  $\frac{12}{35}$  and  $\frac{40}{49}$ ?

Options :

1. ✖  $\frac{1}{7}$

2. ✖  $\frac{1}{49}$

3. ✖  $\frac{3}{490}$

4. ✔  $\frac{1}{490}$

Question Number : 9 Question Id : 302616309 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Yogesh sold his watch at 10% loss. If he had sold it for ₹ 135 more he could have made 8% profit. Find the selling price of the watch?

Options :

1. ✔ ₹ 675

2. ✖ ₹ 615

3. ✖ ₹ 513

4. ✖ ₹ 315

Question Number : 10 Question Id : 302616310 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In a boys' school, two toilets are required for every 15 students. If the total number of students is 255, how many toilets will be needed?

Options :

1. ✔ 34

2. ✖ 17

3. ✖ 30

4. ✖ 18

Question Number : 11 Question Id : 302616311 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If ₹ 10,000 is invested at a rate of 20% per annum, compounded half-yearly, then the amount after 18 months will be:

Options :

1. ✖ ₹ 13,000

2. ✖ ₹ 16,000

3. ✔ ₹ 13,310

4. ✖ ₹ 13,140

**Question Number : 12 Question Id : 302616312 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes**  
**Single Line Question Option : No Option Orientation : Vertical**

Two drum sets were bought for ₹ 8,000. The first was sold at 40 % profit and the second was sold at a loss of 40 % . If the selling price for both the drum sets is the same, find out their buying price?

**Options :**

1. ✖ ₹ 2,000, ₹ 5,600

2. ✖ ₹ 2,400, ₹ 6,000

3. ✖ ₹ 1,400, ₹ 5,600

4. ✔ ₹ 2,400, ₹ 5,600

**Question Number : 13 Question Id : 302616313 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes**  
**Single Line Question Option : No Option Orientation : Vertical**

If A, B and C together can do a work in 10 days. A alone can do a piece of work in 20 days and B alone can do it in 30 days. How long will C take to do the work alone?

**Options :**

1. ✔ 60 days

2. ✖ 30 days

3. ✖ 20 days

4. ✖ 10 days

**Question Number : 14 Question Id : 302616314 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes**  
**Single Line Question Option : No Option Orientation : Vertical**

18 trainees can do as much work as 8 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 5 trainees to dig a similar pond in 9 days?

**Options :**

1. ✖ 6

2. ✖ 8

3. ✖ 10

4. ✔ 12

Question Number : 15 Question Id : 302616315 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

5 men take 20 days to complete a work, working 8 hours a day. In how many days can 8 men do the same work, working 7 hours a day?

Options :

1. ✖ 49

2. ✖ 77

3. ✔  $\frac{100}{7}$ 

4. ✖ 72

Question Number : 16 Question Id : 302616316 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

In an examination, 51 % of students failed in English and 45 % failed in Maths. If 21 % of students failed in both the subjects and only 169 students passed the examination, find out the total number of students who appeared in the examination?

Options :

1. ✖ 612

2. ✖ 767

3. ✖ 619

4. ✔ 676

Question Number : 17 Question Id : 302616317 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Pipes A and B when working together can fill an empty tank in 12 hours. If A is stopped after 2 hours, it will take a total of 42 hours to fill the tank. How long would it take A to fill the empty tank working alone?

Options :

1. ✖ 12 hours

2. ✖ 13 hours

3. ✖ 15 hours

4. ✓ 16 hours

Question Number : 18 Question Id : 302616318 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Pipe A and pipe B can fill a tank in 4 and 16 hours, respectively. In how many hours can both fill the tank together?

Options :

1. ✗  $\frac{16}{7}$  hrs

2. ✗  $\frac{17}{3}$  hrs

3. ✗  $\frac{4}{15}$  hrs

4. ✓  $\frac{16}{5}$  hrs

Question Number : 19 Question Id : 302616319 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

To measure the volume of an irregular shaped stone, Peter placed the stone inside a water-filled cylindrical container of radius 5 cm. If the water level in the container rises from 10 cm to 17 cm, what is the volume of the stone?

Options :

1. ✓ 550 cm<sup>3</sup>

2. ✗ 500 cm<sup>3</sup>

3. ✗ 450 cm<sup>3</sup>

4. ✗ 400 cm<sup>3</sup>

Question Number : 20 Question Id : 302616320 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Rohit's current age is six years less than 3.5 times that of Nishant's. Next year Nishant's age is going to be a third of Rohit's age. What is Rohit's present age in years?

Options :

1. ✗ 47

2. ✓ 50

3. ✗ 56

4. ✗ 53

Question Number : 21 Question Id : 302616321 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 15 cm, 36 cm and 39 cm long. A smaller triangle is formed by joining the mid-points of the sides of the triangle. The area of the smaller triangle is \_\_\_\_\_  $\text{cm}^2$ .

Options :

1. ✖ 60
2. ✖ 62.5
3. ✖ 65
4. ✔ 67.5

Question Number : 22 Question Id : 302616322 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Solve for x:

$$0.12(5x - 4) = 0.5x + 0.8$$

Options :

1. ✖ 16.4
2. ✖ -12.8
3. ✖ -4.8
4. ✔ 12.8

Question Number : 23 Question Id : 302616323 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

State which one of the following statements is definitely true.

Options :

1. ✖ Any two figures having the same area is always congruent.
2. ✖ Two line segments are congruent if they start from the same point.
3. ✖ In an isosceles triangle, no angles are equal.
4. ✔ Two circles are congruent if they have the same radius.

Question Number : 24 Question Id : 302616324 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Three acute angles of a quadrilateral are  $82^\circ$  each. Find out the fourth angle.

Options :

1. ✖  $120^\circ$
2. ✔  $114^\circ$
3. ✖  $100^\circ$
4. ✖  $125^\circ$

Question Number : 25 Question Id : 302616325 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

If the graphs of  $x - 5y = 2$  and  $x + 2y = 9$ , intersect at point A and also cut the positive x-axis at points B and C, respectively, then what is the area of triangle ABC?

Options :

1. ✔ 3.5 sq. units
2. ✖ 3.2 sq. units
3. ✖ 3.1 sq. units
4. ✖ 3.7 sq. units

Question Number : 26 Question Id : 302616326 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Four places have been given below of which three are alike in some way and one is different. Choose the odd one out.

Options :

1. ✖ Bihu, Assam
2. ✖ Garba, Gujrat
3. ✖ Bhangra, Punjab
4. ✔ Kathak, Northern India

Question Number : 27 Question Id : 302616327 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

X is the brother of Y, V is the mother of Y, M is the sister of V's husband, N is the brother of V. N's son is X's \_\_\_\_\_.

Options :

1. ✖ sister

2. ✖ aunt
3. ✖ nephew
4. ✔ cousin

Question Number : 28 Question Id : 302616328 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Pointing to a photograph, Deepak says "He is the only son of my paternal grandmother". Whom Deepak is pointing at?

Options :

1. ✖ Cousin
2. ✖ Friend
3. ✖ Brother
4. ✔ Father

Question Number : 29 Question Id : 302616329 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Select the option that is related to the third word on the same basis as the second word is related to the first word.

Bee : Sting :: Snake : ?

Options :

1. ✖ Eat
2. ✖ Hiss
3. ✔ Bite
4. ✖ Crawl

Question Number : 30 Question Id : 302616330 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 fourth term in the same way as the first term relates to the second term.

Hand : Glove :: Head : ?

Options :

1. ✖ Shampoo
2. ✔ Shower cap

3. ✖ Oil

4. ✖ Gel

Question Number : 31 Question Id : 302616331 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

If X is Y's sister, Z is Y's mother, W is Z's father, V is Z's husband then Y's brother is V's \_\_\_\_\_.

Options :

1. ✖ Brother

2. ✖ Cousin

3. ✖ Niece

4. ✔ Son

Question Number : 32 Question Id : 302616332 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

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

**Statement:**

A lady is crying at the hospital since her husband has died due to the air strikes in Syria.

**Assumption:**

1. The wife thinks god is not with her.
2. The lady blames her husband for being in Syria.

Options :

1. ✔ Only assumption 1 is implicit

2. ✖ Only assumption 2 is implicit

3. ✖ Both assumptions 1 and 2 are implicit

4. ✖ Either assumption 1 or 2 is implicit

Question Number : 33 Question Id : 302616333 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Read the given argument and assumptions carefully and select which of the assumptions logically follow(s) from the argument.

**Argument:**

A notice in the clinic reads "Sales person not allowed to meet the doctor for sales purpose".

**Assumptions:**

1. All sales executives will not come to the clinic to meet the doctor regarding sales.
2. The receptionist can stop sales executives from meeting the doctor.

**Options :**

1. ✖ Only assumption 1 follows
2. ✖ Only assumption 2 follows
3. ✔ Both 1 and 2 follows
4. ✖ Neither 1 and 2 follows

Question Number : 34 Question Id : 302616334 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

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

**Statement:**

"As our business is expanding, we need to appoint more staff" – Chairman of a company informs in the board meeting.

**Assumptions:**

- I. The present staff is not competent.
- II. Suitable persons to be taken as staff will be available.
- III. More staff will further expand the business.

**Options :**

1. ✖ Only I is implicit
2. ✔ Only II is implicit
3. ✖ Only I & II is implicit
4. ✖ Only III is implicit

Question Number : 35 Question Id : 302616335 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:**

To treat insomnia, healthy lifestyle needs to be adopted to suit the individual, so they can relax more

**Arguments:**

- I. Yes, stress is the only cause of insomnia
- II. No, insomnia can be caused because of various other reasons

**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 : 302616336 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

$$12 \div 6 + 3 - 2 \times 8 = ?$$

**Options :**

1. ✖  $\frac{23}{4}$
2. ✔  $\frac{-23}{4}$
3. ✖  $\frac{-23}{2}$
4. ✖  $\frac{23}{2}$

Question Number : 37 Question Id : 302616337 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

3 R # 2 A \$ K 5 % T 7 & N Y + X B / L Q @ 1

If the first half of the above series is reversed then what is the 5<sup>th</sup> term to the left of the 10<sup>th</sup> term from the left?

**Options :**

1. ✔ K
2. ✖ 5

3. ✖ Y

4. ✖ +

Question Number : 38 Question Id : 302616338 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

If + means  $\times$ ,  $\times$  means  $-$ ,  $\div$  means  $+$  and  $-$  means  $\div$ , then, what is the value of  $100 - 25 \div 7 + 30 \times 2 + 9$ ?

Options :

1. ✔ 196

2. ✖ 200

3. ✖ 187

4. ✖ 199

Question Number : 39 Question Id : 302616339 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Identify the missing term in the following:

BAZ, DBY, \_\_\_\_\_, HDW

Options :

1. ✖ FXW

2. ✖ EFX

3. ✖ FEY

4. ✔ FCX

Question Number : 40 Question Id : 302616340 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:**

L, A, C and E are standing according to descending order of their heights. Who is standing first?

**Statements:**

1. L is taller than C and E.
2. A is taller than L.

Options :

1. ✔ Both the statements together are sufficient.

2. ✖ Both the statements are insufficient.
3. ✖ Statement 1 alone is sufficient.
4. ✖ Statement 2 alone is sufficient.

Question Number : 41 Question Id : 302616341 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

The given bar graph represents the production of three grains P, Q and R in four states A, B, C and D.



Of the total production of grain Q in all the states, how much percentage of grain Q was produced by state D (rounded off to one decimal)?

Options :

1. ✖ 35.5
2. ✔ 35.7
3. ✖ 35.9
4. ✖ 36

Question Number : 42 Question Id : 302616342 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

You are given a question and two statements. Identify which of the statements is/are necessary/sufficient to answer the question.

**Question:**

Did Ms. X lost the gold chain in the school?

**Statements:**

1. Children's are not supposed to wear jewelry in school
2. X was wearing gold chain in the morning

Options :

1. ✖ 1 alone is sufficient while 2 alone is not sufficient
2. ✖ 2 alone is sufficient while 1 alone is not sufficient
3. ✖ Either 1 or 2 alone is sufficient

4. ✓ Both 1 and 2 together are not sufficient

Question Number : 43 Question Id : 302616343 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Read the question below, followed by 3 statements.

**Question:**

There are 6 kids — I, G, B, Z, L and D — who live in the same colony. Who is the tallest of all?

**Statements:**

1. G is taller than L and D
2. B is taller than G
3. Z is shorter than G

Which statement(s) is/are sufficient to answer the above question?

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

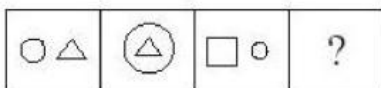
**Options :**

1. Statement 1, 2 and 3 together are sufficient
2. Statement 1 alone is sufficient
3. Statement 2 alone is sufficient
4. Either 1 or 2 are not sufficient

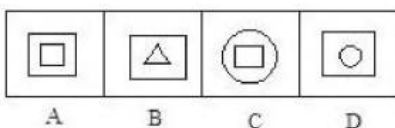
Question Number : 44 Question Id : 302616344 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Identify which figure should follow next in the given series:

**Problem figures:**



**Answer figures:**



**Options :**

1. ✖ A

2. ✖ B

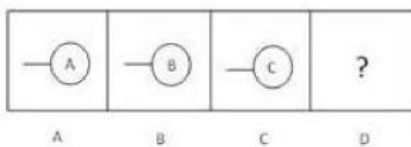
3. ✖ C

4. ✔ D

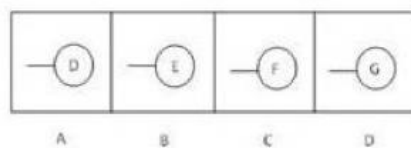
Question Number : 45 Question Id : 302616345 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Find the next figure for the given series.

**Problem figures:**



**Answer figures:**



Options :

1. ✔ A

2. ✖ B

3. ✖ C

4. ✖ D

Question Number : 46 Question Id : 302616346 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. Plastic
- B. Floor
- C. Roof
- D. Door

Options :

1. ✔ A

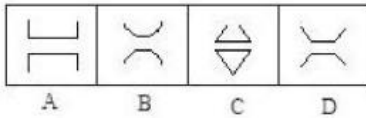
2. ✖ B

3. ✖ C

4. ✖ D

Question Number : 47 Question Id : 302616347 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

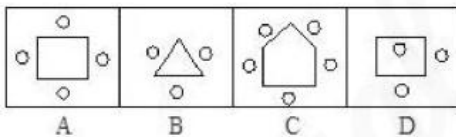
2. ✖ B

3. ✔ C

4. ✖ D

Question Number : 48 Question Id : 302616348 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Find the odd shape out from the below:



Options :

1. ✖ A

2. ✖ B

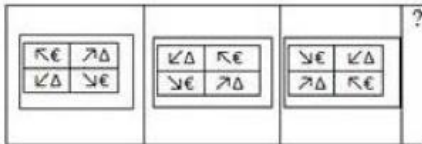
3. ✖ C

4. ✔ D

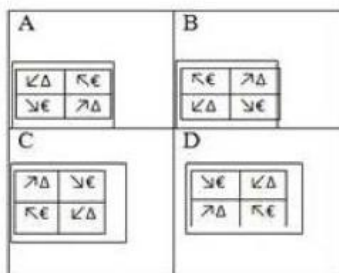
Question Number : 49 Question Id : 302616349 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

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

**Question figures:**



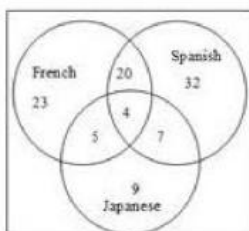
**Option Figures:**



**Options :**

1. ✖ A
2. ✖ B
3. ✔ C
4. ✖ D

Question Number : 50 Question Id : 302616350 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 one language is:

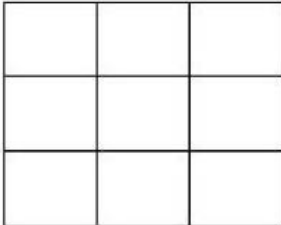
**Options :**

1. ✖ 100
2. ✖ 45

3. ✖ 4

4. ✔ 64

Question Number : 51 Question Id : 302616351 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical



How many squares are there in the above figure?

Options :

1. ✖ 15

2. ✖ 13

3. ✔ 14

4. ✖ 12

Question Number : 52 Question Id : 302616352 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

In a group of boys, 25 play volleyball, 20 boys play badminton and 10 play cricket. 5 play all the three games. 8 plays at least two of the games. Exactly how many play any one of the game?

Options :

1. ✖ 38

2. ✔ 42

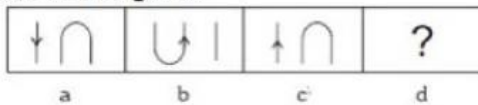
3. ✖ 45

4. ✖ 40

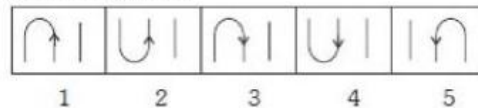
Question Number : 53 Question Id : 302616353 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Select the answer figure that is related to question figure c in the same way as question figure b is related to question figure a.

**Question figures:**



**Answer figures:**



**Options :**

1. ✖ 3
2. ✔ 4
3. ✖ 5
4. ✖ 1

**Question Number : 54 Question Id : 302616354 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

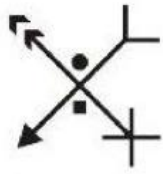
Mr. X is running a marathon starting from point A. He runs 5 km towards north and reaches point B. Then, he turns right, runs 6 km and reaches point C. Then, he turns right, runs 8 km and reaches point D. Then, he turns right, runs 10 km and reaches point E. Then, he turns right, runs 6 km and reaches point F. Then, he turns right, runs 1 km and reaches point G. Finally, he turns right, runs 3 km and reaches point H.

The shortest distance between point A and point H is:

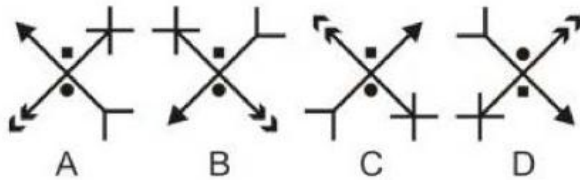
**Options :**

1. ✔ 3
2. ✖  $\sqrt{2}$
3. ✖ 2
4. ✖ 5

**Question Number : 55 Question Id : 302616355 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**



The water image of the above figure is:



Options :

1. ✓ A
2. ✗ B
3. ✗ C
4. ✗ D

Question Number : 56 Question Id : 302616356 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

What does the odometer of an automobile measure?

Options :

1. ✗ Speed
2. ✗ Odour
3. ✓ Distance
4. ✗ Fuel

Question Number : 57 Question Id : 302616357 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

A truck moving with a uniform speed covers 245 m in 50 s. What is its speed?

Options :

1. ✗ 3.9 m/s
2. ✗ 2.9 m/s
3. ✗ 5.9 m/s

4. ✓ 4.9 m/s

Question Number : 58 Question Id : 302616358 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

The earth attracts objects towards it. This is due to the \_\_\_\_\_.

Options :

1. ✗ centripetal force
2. ✓ gravitational force
3. ✗ electromagnetic force
4. ✗ centrifugal force

Question Number : 59 Question Id : 302616359 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Statement:

- A. When an object is thrown up then its speed at any position while going up is same as the speed while coming down.
- B. A body can't have zero weight

Which of the statement is true?

Options :

1. ✓ Both A and B
2. ✗ Statement A only
3. ✗ Statement B only
4. ✗ Neither A nor B

Question Number : 60 Question Id : 302616360 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

The energy of which of the following is kinetic energy:

- a. A bullet fired from a gun.
- b. A railway engine moving at high speed.
- c. Motion of a simple pendulum.

Options :

1. ✓ a,b,c

2. ✖ b and c

3. ✖ a and c

4. ✖ a and b

Question Number : 61 Question Id : 302616361 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Potential energy of an object at height is called \_\_\_\_\_.

Options :

1. ✔ Gravitational Potential Energy

2. ✖ Transitional Potential Energy

3. ✖ Rotational Potential Energy

4. ✖ Vertical Potential Energy

Question Number : 62 Question Id : 302616362 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Average power is equals to:

Options :

1. ✔  $\frac{\text{Total energy consumed}}{\text{total time}}$

2. ✖  $\frac{\text{Total work done}}{\text{distance moved}}$

3. ✖  $\frac{\text{Time taken}}{\text{Total energy consumed}}$

4. ✖  $\frac{\text{Total Energy liberated}}{\text{Total energy consumed}}$

Question Number : 63 Question Id : 302616363 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

The speed of sound in sea water is \_\_\_\_\_.

Options :

1. ✖ 1498m/s

2. ✔ 1531m/s

3. ✖ 1351m/s

4. ✖ 1948m/s

Question Number : 64 Question Id : 302616364 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Where should be an object be placed in front of a convex lens to get a real image of the size of the object?

Options :

1. ✖ At F1

2. ✔ At 2F1

3. ✖ At infinity

4. ✖ Beyond 2F1

Question Number : 65 Question Id : 302616365 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Name the metal used almost exclusively for filaments of electric bulbs?

Options :

1. ✖ Copper

2. ✖ Nickel

3. ✖ Chromium

4. ✔ Tungsten

Question Number : 66 Question Id : 302616366 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

A current of 0.5A is drawn by a filament of an electric bulb for 8 minutes. Find the amount of electric charge that flows through the current.

Options :

1. ✖ 400 C

2. ✔ 240 C

3. ✖ 50 C

4. ✖ 200 C

Question Number : 67 Question Id : 302616367 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

What is the atomicity of Sulphur?

Options :

1. ✖ Monoatomic
2. ✖ Diatomic
3. ✖ Tetra atomic
4. ✔ Poly-atomic

Question Number : 68 Question Id : 302616368 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Dalton's theory was based on the \_\_\_\_\_.

Options :

1. ✔ Laws of chemical combination
2. ✖ Law of constant proportions
3. ✖ Law of conservation of mass
4. ✖ Law of conservation of energy

Question Number : 69 Question Id : 302616369 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Water kept in an earthen pot becomes cool even in the summer because of \_\_\_\_\_.

Options :

1. ✖ transformation
2. ✖ condensation
3. ✔ evaporation
4. ✖ transpiration

Question Number : 70 Question Id : 302616370 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

\_\_\_\_\_ Metal do not corrode.

Options :

1. ✖ Iron

2. ✓ Platinum

3. ✗ Magnesium

4. ✗ Calcium

Question Number : 71 Question Id : 302616371 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Which of the following statement /statements is False:

- 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 atoms of one or more elements in the reactants and products.

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

Options :

- 1. Only A False
- 2. Only B False
- 3. A and B are False
- 4. A and B are True

Question Number : 72 Question Id : 302616372 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

The solid which is commonly called 'dry ice' is chemically :

Options :

- 1. ✗ CO
- 2. ✓ CO<sub>2</sub>
- 3. ✗ CaCO<sub>3</sub>
- 4. ✗ CaCl<sub>2</sub>

Question Number : 73 Question Id : 302616373 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Of these, the most ductile metal is \_\_\_\_\_.

Options :

- 1. ✗ Al

2. ✖ Ag

3. ✔ Au

4. ✖ Cu

Question Number : 74 Question Id : 302616374 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

In which group elements are colourless, tasteless and odorless gasses in

Options :

1. ✔ Zero group

2. ✖ Alkaline earth metal group

3. ✖ Alkali metal group

4. ✖ Halogen group

Question Number : 75 Question Id : 302616375 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

An element with electronic configuration 2,8,6 is placed in group \_\_\_\_ in the Modern periodic table.

Options :

1. ✖ 18

2. ✖ 6

3. ✔ 16

4. ✖ 8

Question Number : 76 Question Id : 302616376 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

What is the loss of water in the form of water vapor in plants?

Options :

1. ✔ Transpiration

2. ✖ Excretion

3. ✖ Gas exchange

## 4. ✖ Respiration

Question Number : 77 Question Id : 302616377 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Pteridophyta do not possess \_\_\_\_\_.

Options :

1. ✖ Leaves
2. ✖ Stem
3. ✖ Roots
4. ✔ Flowers

Question Number : 78 Question Id : 302616378 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Saliva Contains \_\_\_\_\_ enzyme.

Options :

1. ✖ Protease
2. ✖ Lipase
3. ✔ Amylase
4. ✖ ligase

Question Number : 79 Question Id : 302616379 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Read the description below. What do we call such traces of any living organism?

'If a dead insect gets caught in hot mud, it will not decompose quickly, and the mud will eventually harden and retain the impression of the body parts of the insect.

Options :

1. ✖ Cast
2. ✔ Fossils
3. ✖ Remnant
4. ✖ Relic

Question Number : 80 Question Id : 302616380 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Which of the following is a male reproductive part in human beings?

Options :

1. ✖ Ovary
2. ✖ Uterus
3. ✔ Vasdeferens
4. ✖ Fallopian tube

Question Number : 81 Question Id : 302616381 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Identify the Indian National programme for the development of sports:

Options :

1. ✔ Khelo India
2. ✖ Jago India
3. ✖ Daudo India
4. ✖ Udao India

Question Number : 82 Question Id : 302616382 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

The scheme for promotion of sports among persons with disabilities was formulated by the Ministry in the year \_\_\_\_\_.

Options :

1. ✖ 2008
2. ✔ 2009
3. ✖ 2010
4. ✖ 2007

Question Number : 83 Question Id : 302616383 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Anant Rao Pawar trophy held annually is associated with which sport/game?

Options :

1. ✖ Foot Ball

2. ✖ Volley Ball

3. ✖ Throw Ball

4. ✔ Net Ball

Question Number : 84 Question Id : 302616384 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Who was conferred with 2017 Tata Literature Live Lifetime Achievement Award for his outstanding contribution in field of theatre?

Options :

1. ✖ Pankaj Kapur

2. ✖ Naseeruddin Shah

3. ✔ Girish Karnad

4. ✖ Rajit Kapur

Question Number : 85 Question Id : 302616385 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Name the veteran writer-lyricist who was honoured with the 2017 Hridaynath Mangeshkar Award?

Options :

1. ✔ Javed Akhtar

2. ✖ Lakshmikant

3. ✖ Pyarelal

4. ✖ Kaifi Azmi

Question Number : 86 Question Id : 302616386 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Who among the following has painted the famous picture of Bharatmata during Indian National movement?

Options :

1. ✔ Abanindranath Tagore

2. ✖ Lokamanya Tilak

3. ✖ Mohd.Iqbal

4. ✖ B.C.Chatterjee

Question Number : 87 Question Id : 302616387 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Who is Chanda Kocchar?

Options :

1. ✖ Ex-CEO PEPSICO
2. ✔ Ex-CEO ICICI Bank
3. ✖ Ex-CEO Biocon
4. ✖ Ex-CEO Microsoft

Question Number : 88 Question Id : 302616388 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Who has been appointed the new vice-chancellor of Banaras Hindu University?

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

Options :

1. Girish Chandra Tripathi
2. Kuldeep Mehta
3. B A Chopade
4. Royana Singh

Question Number : 89 Question Id : 302616389 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

India won the 'Best Exhibitor Award' at the ITB World Tourism Meet that was recently held in a European city. Which city hosted the ITB Meet?

Options :

1. ✖ Paris
2. ✖ London
3. ✖ Amsterdam
4. ✔ Berlin

Question Number : 90 Question Id : 302616390 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Who is the Constitutional Head of India?

Options :

1. ☒ President
2. ☐ Governor
3. ☐ Prime Minister
4. ☐ Head of Parliament

Question Number : 91 Question Id : 302616391 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Who was sworn as the first women Chief Justice of the Manipur High Court?

Options :

1. ☐ Vrinda Grover
2. ☐ Sudha Bharadwaj
3. ☒ Abhilasha Kumari
4. ☐ Alamjeet Chauhan

Question Number : 92 Question Id : 302616392 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Which state government will launch 'Guru-Shishya' programme in all districts of the state?

Options :

1. ☐ Madhya Pradesh
2. ☐ Bihar
3. ☒ Rajasthan
4. ☐ Maharashtra

Question Number : 93 Question Id : 302616393 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Who is the present Attorney General of India?

Options :

1. ☐ G.EVahanvati

2. ✖ J.Chalameshwar

3. ✖ Mukul Rohatgi

4. ✔ K.K.Venugopal

Question Number : 94 Question Id : 302616394 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

\_\_\_\_\_ became an independent kingdom under Chin Qilich Khan who was also known as Nizam - ul - mulk

Options :

1. ✖ Oudh

2. ✖ Bengal

3. ✖ Mysore

4. ✔ Hyderabad

Question Number : 95 Question Id : 302616395 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

In \_\_\_\_\_ Odisha became an independent state incorporated into the union republic of India and continues to remain so.

Options :

1. ✖ 1948

2. ✖ 1947

3. ✖ 1949

4. ✔ 1950

Question Number : 96 Question Id : 302616396 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Which of the following rivers does not flow into the Arabian Sea?

Options :

1. ✖ Sabarmati

2. ✔ Ganga

3. ✖ Tapi

4. ✖ Narmada

Question Number : 97 Question Id : 302616397 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Manipur, a state of India, is located in the \_\_\_\_\_ part of the country.

Options :

1. ✖ west
2. ✖ north
3. ✖ northwestern
4. ✔ northeastern

Question Number : 98 Question Id : 302616398 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Which country has hosted the BRICS film festival 2017?

Options :

1. ✖ India
2. ✖ Brazil
3. ✔ China
4. ✖ South Africa

Question Number : 99 Question Id : 302616399 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

The Chief nodal bank which controls the regional Rural banks is?

Options :

1. ✖ RBI
2. ✖ ICICI
3. ✔ NABARD
4. ✖ SBI

Question Number : 100 Question Id : 302616400 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

World Economic Forum Annual Meeting 2018 was organized in:

Options :

1. ✖ Cologny, Switzerland
2. ✔ Davos, Switzerland
3. ✖ Sion, Switzerland
4. ✖ Geneva, Switzerland

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