

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 01st 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 : 6789131501 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

$$(-7) [44 \div \{7 - (-4)\}] = ?$$

Options :

1. **✗** 77
2. **✗** - 77
3. **✓** - 28
4. **✗** 28

Question Number : 2 Question Id : 6789131502 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Evaluate:

$$23 - 6 \times 2 + 21 \div 7 \times 3 - 4 \times 2 + 12 = ?$$

Options :

1. ✗ 18
2. ✗ 20
3. ✗ 22
4. ✓ 24

Question Number : 3 Question Id : 6789131503 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

$$\text{Find the value of } 10 + \{26 - 15 \times (20 - 5 \div 2 \times \sqrt{7 - 5})\} = ?$$

Options :

1. ✗ 189
2. ✓ -189
3. ✗ 198
4. ✗ -198

Question Number : 4 Question Id : 6789131504 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

If 8, p and 17 are Pythagorean triplets, then the value of p is?

Options :

1. ✗ 9
2. ✗ 13
3. ✓ 15
4. ✗ 14

Question Number : 5 Question Id : 6789131505 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

$$5 + \frac{1}{7} \times [\{-14 \times (25 - 15 - 5)\} \div (22 - 6)] = ?$$

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

Options :

1. 6
2. 5
3. 4
4. 3

Question Number : 6 Question Id : 6789131506 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

How many of the factors of 729 are perfect squares?

Options :

1. ✗ 3
2. ✓ 4
3. ✗ 5
4. ✗ 6

Question Number : 7 Question Id : 6789131507 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

'A' received $\frac{2}{5}$ th share in his father's property and donated $\frac{1}{3}$ rd of it. If he donated ₹16,858, then what is the value of his father's property?

Options :

1. ✗ ₹ 50,574
2. ✗ ₹ 2,52,870
3. ✗ ₹ 42,145
4. ✓ ₹ 1,26,435

Question Number : 8 Question Id : 6789131508 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Sum of the face value and place value of 7 in 3728456 is ____.

Options :

1. ✓ 700007
2. ✗ 700000

3. ✘ 0

4. ✘ 7

Question Number : 9 Question Id : 6789131509 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

₹ 875 invested for 3 months gave an interest of ₹ 21. The simple rate of interest per annum was:

Options :

1. ✘ 2.4%

2. ✘ 7.2%

3. ✓ 9.6%

4. ✘ 12%

Question Number : 10 Question Id : 6789131510 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

The interest earned on ₹ 250 in two years, if invested at 5% simple interest p.a., will be.

Options :

1. ✓ ₹ 22.50

2. ✘ ₹ 21.50

3. ✘ ₹ 22.75

4. ✘ ₹ 22.25

Question Number : 11 Question Id : 6789131511 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

The ratio of the numbers of blue to red balls in a bag is constant. When there were 84 red balls, the number of blue balls was 36. If the number of blue balls is 54, how many red balls should be there in the bag?

Options :

1. ✘ 122

2. ✘ 124

3. ✓ 126

4. ✘ 128

Question Number : 12 Question Id : 6789131512 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

What will be the ratio in a mixture of two types of common salts costing ₹ 7.20 per kilogram and ₹ 4.40 per kilogram respectively, to make a profit of $(16 + 2/3)\%$ for a selling price of ₹ 6.3 per kilogram?

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

Options :

1. 2 : 3

2. 1 : 3

3. 5 : 4

4. 3 : 5

Question Number : 13 Question Id : 6789131513 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

A 152.5 m long train, travelling at 57 km/h, crosses a platform in 39 sec. What is the length of the platform?

Options :

1. ✓ 465 m

2. ✗ 480 m

3. ✗ 617.5 m

4. ✗ 590 m

Question Number : 14 Question Id : 6789131514 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

A is four times as fast as B and is therefore able to finish a work in 60 days less than B. Find the time in which they can finish the work, if they work together.

Options :

1. ✗ 21 days

2. ✗ 22.5 days

3. ✓ 16 days

4. ✗ 25 days

Question Number : 15 Question Id : 6789131515 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

A, B and C can complete a task together in 45 days. A and B would have needed 54 days if only the two of them worked, and B and C would have taken 90 days if only the two of them worked. If B worked alone how many days would she have taken to complete the task?

Options :

1. ✘ 125

2. ✘ 130

3. ✓ 135

4. ✘ 145

Question Number : 16 Question Id : 6789131516 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

32% of a number is 56. What is the number?

Options :

1. ✓ 175

2. ✘ 180

3. ✘ 190

4. ✘ 200

Question Number : 17 Question Id : 6789131517 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 42 hours and 56 hours, respectively, while a third pipe can drain the filled tank in 32 hours. If all the three tanks are turned on at the same time when the tank is empty, how long will it take to fill the tank completely?

Options :

1. ✘ 3 days 20 hours

2. ✘ 2 days 16 hours

3. ✓ 4 days

4. ✘ 4 days 8 hours

Question Number : 18 Question Id : 6789131518 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Present ages of Suresh and Chiraj are in the ratio of 5 : 4 respectively. Three years hence, the ratio of their ages will become 11 : 9 respectively. What is Chiraj's present age in years?

Options :

1. 20 years
2. 24 years
3. 26 years
4. 29 years

Question Number : 19 Question Id : 6789131519 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

Roshan's current age is four years less than 2.5 times that of Usha's. 12 years ago Usha's age was one year more than a quarter of Roshan's age. What is Roshan's present age (in years)?

Options :

1. 48
2. 50
3. 54
4. 56

Question Number : 20 Question Id : 6789131520 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

XYZ is a right angled triangle and angle X = 90°. Side XY is 6 cm long and side YZ is 10 cm long. If C is the center of the inner-circle of the triangle XYZ, then find the area of the triangle excluding the area in square centimeter covered by the inner-circle?

Options :

1. $24 - 2\pi$
2. $20 + 2\pi$
3. $24 - 4\pi$
4. $20 - 2\pi$

Question Number : 21 Question Id : 6789131521 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

From an airplane flying directly over a straight road the angle of depressions between two consecutive milestones (1 mile = 1.61 km) in the same direction are 45° and 30° , respectively. Find the approximate height of the airplane from the ground in km.

Options :

1. ✗ 1.8

2. ✗ 2.0

3. ✓ 2.2

4. ✗ 2.4

Question Number : 22 Question Id : 6789131522 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

If $a + \frac{1}{a} = \sqrt{3}$, find the value of $a^3 + \frac{1}{a^3}$

Options :

1. ✗ 2

2. ✗ -2

3. ✓ 0

4. ✗ 1.5

Question Number : 23 Question Id : 6789131523 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

From the top of a platform 8 m high, the angle of elevation of a tower was 30° . If the platform was positioned $40\sqrt{3}$ m away from the tower, how tall was the tower?

Options :

1. ✗ 40 m

2. ✗ $20\sqrt{3}$ m3. ✗ $30\sqrt{3}$ m

4. ✓ 48 m

Question Number : 24 Question Id : 6789131524 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

Four numbers a, b, c and d are such that their overall average is 23. The average of a and b is 19.5. The average of c and d is:

Options :

1. ✗ 25.5

2. ✓ 26.5

3. ✘ 27.5

4. ✘ 24.5

Question Number : 25 Question Id : 6789131525 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

A rectangle having 12 cm and 8 cm as its dimensions was reconstructed to make a rhombus having the same perimeter as that of the rectangle and 120° as one of its angles. The area of the rhombus, in cm^2 , was:

Options :

1. ✘ $25\sqrt{3}$ 2. ✓ $50\sqrt{3}$ 3. ✘ $40\sqrt{3}$ 4. ✘ $\frac{100\sqrt{3}}{3}$

Question Number : 26 Question Id : 6789131526 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

Ajay said, "This girl is the wife of the grandson of my mother". How is Ajay related to the girl?

Options :

1. ✘ Brother

2. ✘ Aunt

3. ✓ Father-in-law

4. ✘ Cousin

Question Number : 27 Question Id : 6789131527 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

Select the option that is related to the third term in the same way as the second term is related to the first term:

Earth : Ball :: Pancake : _____

Options :

1. ✓ Disc

2. ✘ Flat

3. ✘ Flag

4. Soccer

Question Number : 28 Question Id : 6789131528 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

The mother of Tanu's only brother is Soumya. Tanu's father's only son is Pritam. How is Soumya related to Pritam?

Options :

1. Mother
2. Aunt
3. Cousin
4. Grandmother

Question Number : 29 Question Id : 6789131529 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

In a code language, HEN is written as TWN What is the code for COCK?

Options :

1. YMYQ
2. YVYQ
3. YMYP
4. YNYP

Question Number : 30 Question Id : 6789131530 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.

Want : Yearn :: Punish :

Options :

1. Snub
2. Reprimand
3. Jail
4. Shout

Question Number : 31 Question Id : 6789131531 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

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Read the following statements and the conclusions that follow. Decide which of the two conclusions follow from the given statements.

Statements:

- All the suns are moons.
- All the moons are stars.

Conclusions:

1. All the suns are stars.
2. Some moons are suns.

Options :

1. ✗ Only conclusion 1 follows
2. ✗ Either conclusion 1 or 2 follows
3. ✗ Only conclusion 2 follows
4. ✓ Both conclusions 1 and 2 follow

Question Number : 32 Question Id : 6789131532 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:

“Look at the road sign, this is a one-way street”, a boy tells his friend.

Conclusions:

- I. Driving is allowed only in the direction of the arrow indicated on the signboard.
- II. The boy understands the meaning of the road signs.

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 : 6789131533 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Read the following statement and the arguments that follow. Decide which of the arguments is strong.

Statement:

Students should work hard to pass through the medical entrance examination.

Argument:

- I. Yes, hard work is the only success mantra.
- II. No, if students won't get medical seat they can go for private seat.

Options :

1. Only argument I is strong
2. Only argument II is strong
3. Either argument I nor II is strong
4. Neither argument I nor II is strong

Question Number : 34 Question Id : 6789131534 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

A statement is followed by two arguments. Decide which of the arguments is/are strong with respect to the statement.

Statement:

Should small countries like Nepal have no defense forces at all?

Argument:

1. No, other countries do not believe in violence
2. Yes, many citizens of Nepal are peace loving and preach non-violence.

Options :

1. Only argument 1 is strong
2. Only argument 2 is strong
3. Either argument 1 or 2 is strong
4. Neither argument 1 and 2 is strong

Question Number : 35 Question Id : 6789131535 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Consider the statements and the following assumptions and decide which of the assumptions is/are implicit in the statement

Statement:

Many youngsters are affected due to stress related diabetes

Assumptions:

- I. Diabetes can be caused due to stress
- II. Stress is the only contributor for diabetes

Options :

1. Only I is implicit
2. Only II is implicit
3. Both I and II are implicit
4. Neither I nor II is implicit

Question Number : 36 Question Id : 6789131536 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Find the next letter in the series:

A, D, G, J, M, ?

Options :

1. B
2. R
3. P
4. W

Question Number : 37 Question Id : 6789131537 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

If + means -, \times mean \div , \div means +, - means \times , find the value of:

$$400 \times 5 - 6 + 22 \div 75$$

Options :

1. 560
2. 540

3. ✓ 533

4. ✗ 600

Question Number : 38 Question Id : 6789131538 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

ABCDEFGHIJKLMNOPQRSTUVWXYZ

If the alphabets are reversed then the 6th letter to the right of 18th letter from left is:

Options :

1. ✓ C

2. ✗ D

3. ✗ B

4. ✗ A

Question Number : 39 Question Id : 6789131539 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Find the next number in the given series:

4, 17, 43, 82, ?

Options :

1. ✗ 120

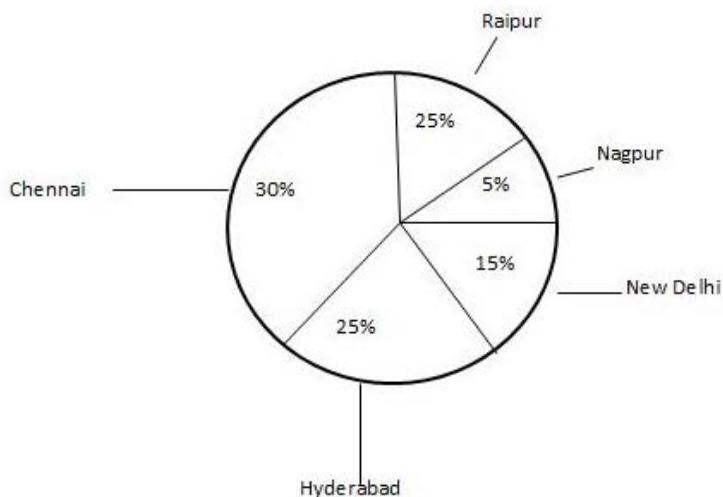
2. ✗ 132

3. ✓ 134

4. ✗ 130

Question Number : 40 Question Id : 6789131540 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

The given data below shows information on the consumption of rice for different states in India for the year 2012:



If the total rice consumption for the year 2012 is 2 lakh tonnes, then how much is the consumption by Chennai alone?

Options :

1. ✗ 10,000 tonnes
2. ✗ 20,000 tonnes
3. ✓ 60,000 tonnes
4. ✗ 1,00,000 tonnes

Question Number : 41 Question Id : 6789131541 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 sufficient to answer the question.

Question:

Find the value of "x".

Statements:

1) $A = \begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix}$

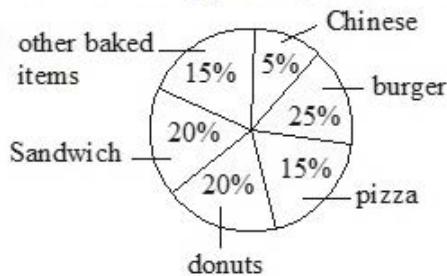
2) $B = \begin{bmatrix} 1 & 2 \\ 1 & x \end{bmatrix}$, $A = B$

Options :

1. ✗ Only 1 is sufficient
2. ✗ Only 2 is sufficient
3. ✗ Either 1 or 2 is sufficient
4. ✓ Both 1 and 2 are not sufficient

Question Number : 42 Question Id : 6789131542 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 the sales of different types of food items by restaurant “XYZ”



The total revenue made by the restaurant in NOV 2017 was 35 lakhs.

How much revenue was made by the restaurant “XYZ” on the sales of “Sandwich” in NOV 2017?

Options :

1. ✗ 6L
2. ✗ 5.25L
3. ✗ 3L
4. ✓ 7L

Question Number : 43 Question Id : 6789131543 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Read the given problem and decide which of the following statements is sufficient to solve the problem.

Problem:

Find the total number of students who passed in 10th examination?

Statements:

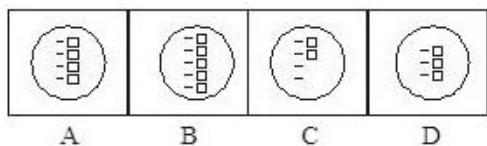
1. 80% of the students passed.
2. Boys and girls passed in equal numbers.

Options :

1. ✗ 1 alone is sufficient while 2 alone is not sufficient.
2. ✗ 2 alone is sufficient while 1 alone is not sufficient.
3. ✓ Neither 1 nor 2 is sufficient.
4. ✗ Both 1 and 2 are sufficient.

Question Number : 44 Question Id : 6789131544 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Out of the four given figures, three are similar in a certain manner. However, one figure is NOT like the other three.

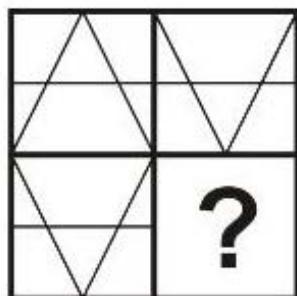


Select the figure which is different from the rest.

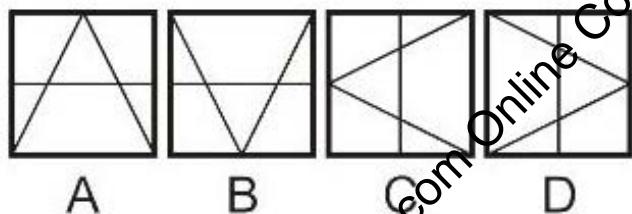
Options :

1. ✗ A
2. ✗ B
3. ✓ C
4. ✗ D

Question Number : 45 Question Id : 6789131545 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical



From the below options, choose the correct figure that fits the blank space in the above figure.



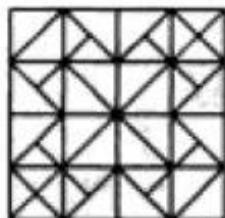
Options :

1. ✓ A
2. ✗ B
3. ✗ C
4. ✗ D

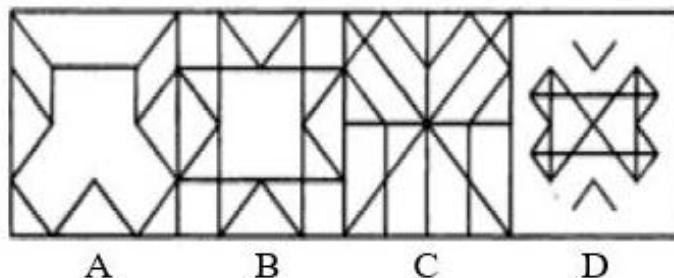
Question Number : 46 Question Id : 6789131546 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which answer figure is embedded in the given problem figure?

Problem figure:



Answer figures:



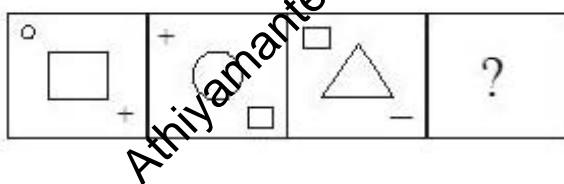
Options :

1. ✗ A
2. ✓ B
3. ✗ C
4. ✗ D

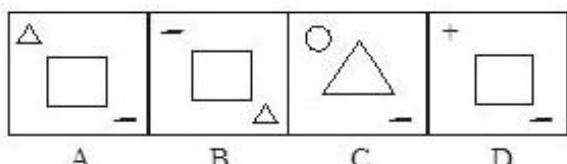
Question Number : 47 Question Id : 678913154 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the next figure for the given series:

Problem Figures



Answer figures



Options :

1. ✗ A

2. ✓ B

3. ✗ C

4. ✗ D

Question Number : 48 Question Id : 6789131548 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical



Choose the correct picture that fit the blank place.



A B C D

Options :

1. ✓ A

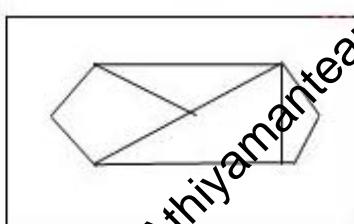
2. ✗ B

3. ✗ C

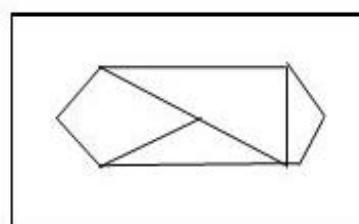
4. ✗ D

Question Number : 49 Question Id : 6789131549 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

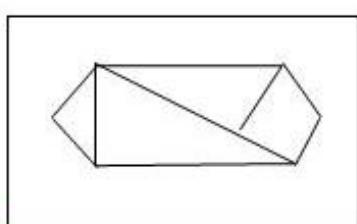
Choose the correct mirror image for the following figure



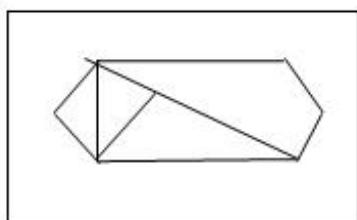
Options :



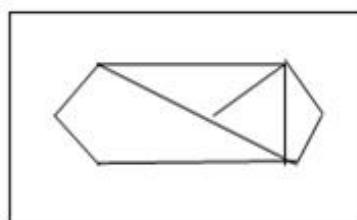
1. ✗



2. ✓



3. ✗



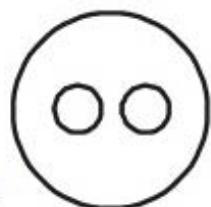
4. ✗

Question Number : 50 Question Id : 6789131550 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

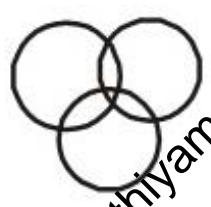
Choose the best suitable Venn diagram for the following words:

Mobile, Laptops, Electronic Gadgets

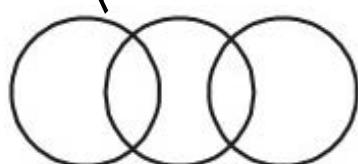
Options :



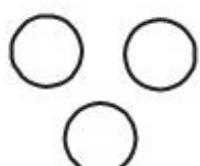
1. ✓



2. ✗



3. ✗



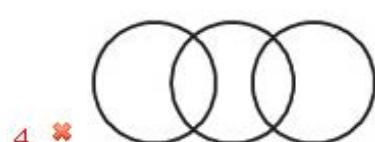
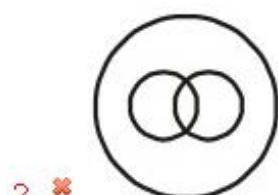
4. ✗

Question Number : 51 Question Id : 6789131551 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

Choose the best suitable Venn diagram for the following words:

“Train, Bus, Public transportation systems”

Options :

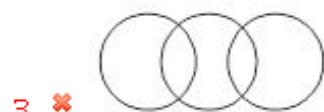
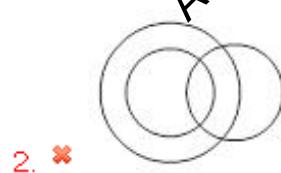


Question Number : 52 Question Id : 6789131552 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

Choose the best suitable Venn diagram for the following classes:

Animals, Zebra, Rhino

Options :





4. ✘

Question Number : 53 Question Id : 6789131553 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Mallika walks 1 km towards North and then turns right and walks for 500 m. In which direction is she with respect to her initial position?

Options :

1. North-East
2. North-West
3. South-East
4. South-West

Question Number : 54 Question Id : 6789131554 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

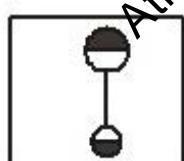
If on a compass, East becomes North-East, then what will be West become?

Options :

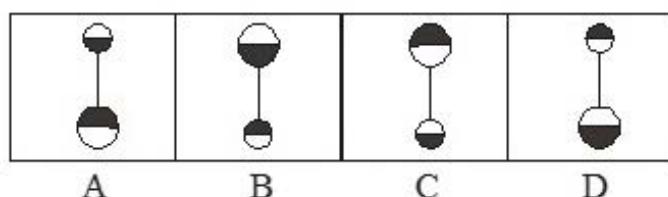
1. South-West
2. South-East
3. East
4. South

Question Number : 55 Question Id : 6789131555 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the water image of the following figure.



M  N



Options :

1. A
2. B
3. C
4. D

Question Number : 56 Question Id : 6789131556 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

Newton is the SI unit of _____.

Options :

1. weight and mass
2. weight and momentum
3. weight and force
4. weight and acceleration

Question Number : 57 Question Id : 6789131557 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

Retardation is _____.

Options :

1. positive acceleration
2. uniform acceleration
3. negative acceleration
4. variable acceleration

Question Number : 58 Question Id : 6789131558 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

$\text{Nm}^2\text{Kg}^{-2}$ is the SI unit of:

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

Options :

1. Acceleration due to gravity

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2. Universal law of gravitation
3. Momentum
4. Pressure

Question Number : 59 Question Id : 6789131559 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

What will be the time taken by a ball to reach its highest point when thrown upwards with an initial velocity of 25 ms^{-1} ?
The value of g can be taken as 10 ms^{-1} .

Options :

1. ✗ 50 s
2. ✗ 5 s
3. ✓ 2.5 s
4. ✗ 10 s

Question Number : 60 Question Id : 6789131560 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

An object, moving with a uniform velocity of 4 ms^{-1} , possesses kinetic energy of 120 J. Find the mass of the object.

Options :

1. ✓ 15 kg
2. ✗ 1.5 N
3. ✗ 30 kg
4. ✗ 30 N

Question Number : 61 Question Id : 6789131561 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Which of the following physical quantities measures the speed of work done?

Options :

1. ✗ Velocity
2. ✗ Force
3. ✓ Power

4. ✘ Energy

Question Number : 62 Question Id : 6789131562 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

_____ energy consists of two types of energy.

Options :

1. ✘ Chemical

2. ✘ Electrical

3. ✓ Mechanical

4. ✘ Sound

Question Number : 63 Question Id : 6789131563 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Which of the following statements is correct about sound and light waves?

Options :

1. ✘ Both are longitudinal waves

2. ✘ Both are transverse waves

3. ✓ A sound wave is longitudinal but a light wave is transverse.

4. ✘ A sound wave is transverse but a light wave longitudinal.

Question Number : 64 Question Id : 6789131564 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Light travels the fastest in:

Options :

1. ✓ vacuum

2. ✘ air

3. ✘ water

4. ✘ glass

Question Number : 65 Question Id : 6789131565 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

A current of 2 A flows through a conductor whose ends are at a potential difference of 4V. The resistance of the conductor is:

Options :

1. ✗ 8 Ω
2. ✗ 0.5 Ω
3. ✗ 1 Ω
4. ✓ 2 Ω

Question Number : 66 Question Id : 6789131566 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

The potential difference between the terminals of an electric heater is 60 V when it draws a current of 4 A from the source. What current will the heater draw if the potential difference is increased to 157.5 V?

Options :

1. ✗ 24 A
2. ✗ 12 A
3. ✗ 8.5 A
4. ✓ 10.5 A

Question Number : 67 Question Id : 6789131567 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

According to Dalton's theory, which of the following statements is true?

Options :

1. ✗ Atoms of the same element have the same atomic masses and size but not the same chemical properties.
2. ✓ Atoms are the ultimate indivisible particle of matter.
3. ✗ An atom is divisible into protons, electrons and neutrons.
4. ✗ Atoms of the same element have different atomic masses.

Question Number : 68 Question Id : 6789131568 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Atomic mass of Calcium is _____.

Options :

1. ✗ 20
2. ✗ 30
3. ✗ 23
4. ✓ 40

Question Number : 69 Question Id : 6789131569 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

A solution contains 49 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. ✗ 13.28 g
3. ✓ 13.28 %
4. ✗ 13.05 %

Question Number : 70 Question Id : 6789131570 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Find the correct match.

A) Zinc metal	Yellow
B) Odour of SO_2 gas	ii) Grey
C) The colour of PbI_2	iii) Pungent

Options :

1. ✗ A-iii, B-i, C-ii
2. ✗ A-iii, B-ii, C-i
3. ✗ A-i, B-iii, C-ii
4. ✓ A-ii, B-iii, C-i

Question Number : 71 Question Id : 6789131571 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Choose which one is not true of base?

Options :

1. ✗ Furnishes OH^- in aqueous medium/molten state
2. ✓ Shows neutralisation
3. ✗ Turns red litmus blue
4. ✗ Conducts electricity in aqueous or molten state

Question Number : 72 Question Id : 6789131572 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Which of the NON-metals is lustrous?

Options :

1. ✗ Fluorine
2. ✗ Neon
3. ✗ Chlorine
4. ✓ Iodine

Question Number : 73 Question Id : 6789131573 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Saturated hydrocarbons are called:

Options :

1. ✗ isotopes
2. ✓ alkanes
3. ✗ alkenes
4. ✗ alkynes

Question Number : 74 Question Id : 6789131574 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

The scientist _____ suggested that the symbols of elements be made from one or two letters of the name of the element.

Options :

1. ✘ Dalton

2. ✓ Berzelius

3. ✘ Democritus

4. ✘ Lavoisier

Question Number : 75 Question Id : 6789131575 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

Which of the below classifications were based on atomic masses?

Options :

1. ✘ Dobereiner's, Newlands and Moseley's

2. ✘ Dobereiner's, Mendeleev's and Moseley's

3. ✘ Mendeleev's, Newlands and Moseley's

4. ✓ Dobereiner's, Newlands and Mendeleev's

Question Number : 76 Question Id : 6789131576 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

Aves includes:

Options :

1. ✘ Mammals

2. ✘ Fishes

3. ✓ Birds

4. ✘ Amphibians

Question Number : 77 Question Id : 6789131577 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

Which type of following tissues has lignified cell walls?

Options :

1. ✘ Parenchyma

2. ✘ Collenchyma

3. ✓ Sclerenchyma

4. ✗ Aerenchyma

Question Number : 78 Question Id : 6789131578 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

Which life process converts chemical energy into heat energy?

Options :

1. ✗ Nutrition

2. ✓ Respiration

3. ✗ Circulation

4. ✗ Excretion

Question Number : 79 Question Id : 6789131579 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

How many type(s) of fission are there?

Options :

1. ✓ Two types

2. ✗ Three types

3. ✗ Four types

4. ✗ Only one type

Question Number : 80 Question Id : 6789131580 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

A human male receives X chromosome from his:

Options :

1. ✓ Mother

2. ✗ Father

3. ✗ Both father and mother

4. ✗ Either father or mother

Question Number : 81 Question Id : 6789131581 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Who among the following featured in ESPN's list of the 100 most famous athletes in the world?

Options :

1. Virat Kohli
2. Cheteshwar Pujara
3. R Ashwin
4. Ravindra Jadeja

Question Number : 82 Question Id : 6789131582 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

How many medals did India win in the Asian Junior Wrestling Championship 2017 held in Taiwan?

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

Options :

1. 5
2. 6
3. 7
4. 8

Question Number : 83 Question Id : 6789131583 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Who won the 2017 FIBA Asia Cup Basketball title?

Options :

1. Australia
2. Iran
3. South Korea
4. New Zealand

Question Number : 84 Question Id : 6789131584 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Which film won the 'Best Film Award at the 18th IIFA Awards 2017?

Options :

1. ✘ Rustom

2. ✘ Bajirao Mastani

3. ✓ Neerja

4. ✘ Dangal

Question Number : 85 Question Id : 6789131585 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

Who among the following veteran Bollywood actresses has been honoured with the third 'National Yash Chopra Memorial Award 2016' in recognition of her talent and contribution to the film industry?

Options :

1. ✘ Hema Malini

2. ✘ Sharmila Tagore

3. ✘ Neetu Singh

4. ✓ Rekha

Question Number : 86 Question Id : 6789131586 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

Who was conferred with a Padma Vibhushan in 2018 in the field of Literature and Education?

Options :

1. ✘ Girija Devi

2. ✓ P Parameswaran

3. ✘ Ramoji Rao

4. ✘ K Viswanath

Question Number : 87 Question Id : 6789131587 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

_____ is the first Indian woman to scale Mount Everest for four times.

Options :

1. ✓ Anshu Jamsenpa

2. ✘ Deepika Rathore

3. ✘ Suhail Sharma

4. ✘ Madhusudan Patidar

Question Number : 88 Question Id : 6789131588 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

At Oscars Scientific and Technical Awards 2018, _____ was awarded the Scientific and Engineering Academy Award

Options :

1. ✘ Romesh Batras

2. ✓ Vikas Sathaye

3. ✘ Padmasree Warrior

4. ✘ Suhas Patankar

Question Number : 89 Question Id : 6789131589 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

In 2017, Krishna Sobti received a prestigious Indian honour. What is she known for?

Options :

1. ✘ Renowned mathematician

2. ✘ Illustrious Sufi musician

3. ✓ Eminent Hindi litterateur

4. ✘ Distinguished faculty at the National Institute of Design (NID)

Question Number : 90 Question Id : 6789131590 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

Who is the current Lok Sabha Speaker?

Options :

1. ✘ Venkaiah Naidu

2. ✘ Meera Kumar

3. ✓ Sumitra Mahajan

4. ✘ Nitesh Kumar

Question Number : 91 Question Id : 6789131591 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Who is the leader of the Lok Sabha as of 2017?

Options :

1. Narendra Modi
2. Pranab Mukherjee
3. Arun Jaitley
4. Sushma Swaraj

Question Number : 92 Question Id : 6789131592 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

As of February 2018, who among the following is the Information and Broadcasting Minister of India?

Options :

1. Venkaiah Naidu
2. Prakash Javadekar
3. Smriti Irani
4. Arun Jaitley

Question Number : 93 Question Id : 6789131592 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Who was the chief minister of Jammu and Kashmir in 2017?

Options :

1. Farooq Abdullah
2. Mahbooba Mofti Sayeed
3. Manohar Parrikar
4. Omar Abdullah

Question Number : 94 Question Id : 6789131594 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

The 'Quit India Movement' took place in the year _____.

Options :

1. 1943

2. ✓ 1942

3. ✗ 1944

4. ✗ 1945

Question Number : 95 Question Id : 6789131595 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

_____ decided to shift his capital from Delhi to Devagiri, which he renamed Daulatabad.

Options :

1. ✗ Muhammad-bin-Qasim
2. ✓ Muhammad-bin-Tughlaq
3. ✗ Firoz Shah Tughlaq
4. ✗ Alauddin Khalji

Question Number : 96 Question Id : 6789131596 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

Valley of Flowers National Park is an Indian national park, located in West Himalaya, in the state of _____

Options :

1. ✗ Himachal Pradesh
2. ✗ Jammu and Kashmir
3. ✓ Uttarakhand
4. ✗ Sikkim

Question Number : 97 Question Id : 6789131597 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

'Brass City' in Uttarakhand has been set up at Kupi, near Marchula, in _____.

Options :

1. ✓ Almora
2. ✗ Ranikhet
3. ✗ Nainital

4. ✘ Moradabad

Question Number : 98 Question Id : 6789131598 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

A 'banking outlet' is one which opens for at least five days a week for at least _____ hours a day.

Options :

1. ✘ 7

2. ✘ 6

3. ✓ 4

4. ✘ 5

Question Number : 99 Question Id : 6789131599 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

Which of the following refers to a considerable rise in the production of quantity of apples, particularly in the states of Himachal Pradesh and J&K?

Options :

1. ✘ Green revolution

2. ✓ Pink revolution

3. ✘ Red revolution

4. ✘ White revolution

Question Number : 100 Question Id : 6789131600 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

_____ is a payment transfer mechanism launched by the Indian Government for ease of payments.

Options :

1. ✓ Bharat QR code

2. ✘ India QR code

3. ✘ State QR code

4. ✘ Govt QR code