Career Railways

Question Paper Preview

Notations :

1.Options shown in green color and with ✔ icon are correct.

2.Options shown in red color and with ✖ icon are incorrect.

Question Paper Name:	RRB Level 1 05th Dec 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?:	Yes
Highlighter:	No
Auto Save on Console?:	No

Display Number Panel:	Yes
Group All Questions:	No

Question Number : 1 Question Id : 3026163101 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following numbers is prime?

Options :

1. ✖ 243

2. ✖ 253

3. ✔ 263

4. ✖ 273

Career Railways

Question Number : 2 Question Id : 3026163102 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the numbers given below is NOT divisible by 3?

Options :

1. ✖ 411

2. ✔ 421

3. ✖ 441

4. ✖ 471

Question Number : 3 Question Id : 3026163103 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The LCM of 93 and 124 is:

Options :

1. ✔ 372

2. ✖ 358

3. ✖ 341

4. ✖ 316

Question Number : 4 Question Id : 3026163104 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the numbers given below is divisible by 6?

Options :

1. ✖ 12388

2. ✖ 12362

3. ✖ 12370

4. ✔ 12378

Question Number : 5 Question Id : 3026163105 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The least significant digit (digit in the unit place) of the product of the first 10 prime numbers would be:

Options :

1. ✖ 1

Career Railways

2. ✔ 0

3. ✖ 3

4. ✖ 7

Question Number : 6 Question Id : 3026163106 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The value of $243 \div 3^3 \times 9 + 3$ is:

Options :

1. ✖ 3

2. ✔ 84

3. ✖ 4

4. ✖ 108

Question Number : 7 Question Id : 3026163107 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The product of four consecutive even numbers is divisible by:

Options :

1. ✖ 284

2. ✔ 384

3. ✖ 364

4. ✖ 400

Question Number : 8 Question Id : 3026163108 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

$5^{2n} - 2^{3n}$ (where n is a natural number) is always divisible by _____.

Options :

1. ✖ 3

2. ✖ 7

3. ✔ 17

4. ✖ 33

Career Railways

Question Number : 9 Question Id : 3026163109 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Esther incurred a loss of 29% by selling a pair of vases that cost her ₹ 700. How much did she sell the vases for?

Options :

1. ✖ ₹ 491

2. ✖ ₹ 477

3. ✔ ₹ 497

4. ✖ ₹ 487

Question Number : 10 Question Id : 3026163110 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The ratio of rice to sugar used in a certain sweet is 5 : 3. If the quantity of sugar used in the sweet is 864 kg, find the quantity of rice used.

Options :

1. ✖ 540 kg

2. ✔ 1440 kg

3. ✖ 324 kg

4. ✖ 1280 kg

Question Number : 11 Question Id : 3026163111 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

112% of a number is 70. The number is:

Options :

1. ✖ 60

2. ✔ 62.5

3. ✖ 63

4. ✖ 65

Question Number : 12 Question Id : 3026163112 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A had obtained some marks out of the maximum marks possible. In percentage terms it was 52.5%. If another question carrying 5 marks was added to the paper, and she scored 2 in it, her overall percentage in the test would have fallen to 52%. What was the maximum marks of the test initially?

Options :

Career Railways

1. ✖ 135

2. ✖ 115

3. ✖ 125

4. ✔ 120

Question Number : 13 Question Id : 3026163113 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

To complete a certain work Bipasa would take three times as long as Amit, and Chetan takes twice as long as Amit and Bipasa together. The three people complete the work in 10 days. Find the number of days Amit requires to complete the work independently.

Options :

1. ✔ 20 days

2. ✖ 30 days

3. ✖ 40 days

4. ✖ 45 days

Question Number : 14 Question Id : 3026163114 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A and B can complete a task in 40 days, B and C can complete it in 56 days while C and A can do the same task together in 70 days. How many days will C take to complete the task individually?

Options :

1. ✔ 280

2. ✖ 245

3. ✖ 210

4. ✖ 175

Question Number : 15 Question Id : 3026163115 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A train travelling at 78 km/h crosses a 580 m long platform in 33 seconds. What is the length of the train?

Options :

1. ✖ 130 m

2. ✔ 135 m

Career Railways

3. ✖ 120 m

4. ✖ 125 m

Question Number : 16 Question Id : 3026163116 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The sum of the current ages of Daniel and Dinara is 115 years. Five years ago twice the age of Dinara was the same as thrice the age of Daniel. What is Dinara's present age?

Options :

1. ✖ 62 years

2. ✖ 64 years

3. ✖ 66 years

4. ✔ 68 years

Question Number : 17 Question Id : 3026163117 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Aman is as much younger than Vinay as he is older than Arun. If the sum of the ages of Arun and Vinay is 40 years, how old is Aman?

Options :

1. ✖ 25 years

2. ✔ 20 years

3. ✖ 30 years

4. ✖ 22 years

Question Number : 18 Question Id : 3026163118 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A tap can fill a tank in 1 hour 30 minutes. Due to a leak in the tank, it now takes the tap 2 hours 15 minutes to fill the tank. How long will it take the leak to drain the full tank?

Options :

1. ✖ 45 minutes

2. ✖ 1 hour 30 minutes

3. ✖ 2 hours 45 minutes

Career Railways

4. ✔ 4 hours 30 minutes

Question Number : 19 Question Id : 3026163119 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The area of an equilateral triangle inscribed in a circle is $9\sqrt{3}$ cm^2. What is the area of the circle?

Options :

1. ✔ 12π

2. ✖ $12\sqrt{3}\ \pi$

3. ✖ $15\sqrt{3}\ \pi$

4. ✖ 16π

Question Number : 20 Question Id : 3026163120 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A hollow sphere with external and internal diameters as 12 cm and 8 cm, respectively, is melted into a cylinder with a base diameter of 16 cm. What is the height of the cylinder?

Options :

1. ✖ 3.33 cm

2. ✔ 3.17 cm

3. ✖ 4.17 cm

4. ✖ 4.33 cm

Question Number : 21 Question Id : 3026163121 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the three numbers in A.P. whose sum is 15 and whose product is 105.

Options :

1. ✔ 3, 5, 7 or 7, 5, 3

2. ✖ 3, 5, 8 or 8, 5, 3

3. ✖ 3, 8, 7 or 7, 8, 3

4. ✖ 1, 5, 9 or 9, 5, 1

Question Number : 22 Question Id : 3026163122 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Career Railways

If $a \neq \beta$ but $a^2 = 5a - 3, \beta^2 = 5\beta - 3$, then find the equation whose roots are $\frac{a}{\beta}, \frac{\beta}{a}$?

Options :

1. ✖ $3x^2 - 19x - 3 = 0$

2. ✔ $3x^2 - 19x + 3 = 0$

3. ✖ $3x^2 + 19x + 3 = 0$

4. ✖ $3x^2 + 19x - 3 = 0$

Question Number : 23 Question Id : 3026163123 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Triangle MNP is similar to triangle DEF. Area of triangle MNP is 1024 cm^2, and area of triangle DEF is 144 cm^2. If the longest side of triangle MNP is 64 cm, what is the longest side of triangle DEF?

Options :

1. ✔ 24 cm

2. ✖ 32 cm

3. ✖ 20 cm

4. ✖ 28 cm

Question Number : 24 Question Id : 3026163124 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If $3x^2 + 2kx + k = 0$ has no real solutions, then the value of k will satisfy:

Options :

1. ✖ $k < 0$ or $k > 3$

2. ✔ $0 < k < 3$

3. ✖ $k > 3$

4. ✖ $k < 0$

Question Number : 25 Question Id : 3026163125 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The angle of depression of the foot of a building from the top of a tower 42 m away is 30°. How high is the tower?

Options :

1. ✖ 35 m

Career Railways

2. ✖ $28\sqrt{3}$ m

3. ✔ $14\sqrt{3}$ m

4. ✖ 28 m

Question Number : 26 Question Id : 3026163126 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Yukta is the daughter of Vimala. Mehek is the daughter of Vimala's brother. Mehek and Yukta are _____.

Options :

1. ✔ cousins

2. ✖ brothers

3. ✖ son

4. ✖ friends

Question Number : 27 Question Id : 3026163127 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If in a certain language, MADRAS is coded as NBESBT, how will ASSAM be coded in that language?

Options :

1. ✖ BTBNT

2. ✖ BTNTB

3. ✖ BTBTN

4. ✔ BTTBN

Question Number : 28 Question Id : 3026163128 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If in a certain code, LAWYER is written as NCYAGT, how would DOCTOR be written in the same code?

Options :

1. ✖ FQVEQT

2. ✔ FQEVQT

3. ✖ FEQQVT

4. ✖ FVQQET

Question Number : 29 Question Id : 3026163129 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

For a job in a company, the following conditions need to be fulfilled.

The candidate's age must be in between 22 and 28 years as on 1 February 2017.
The candidate should have scored at least 70% marks in the written examination and 40% marks in the interview.
The candidate must be a graduate and have a work experience of at least a year.
If the candidate is a female, then age relaxation of 2 years will be given.

A candidate has applied for the aforementioned job and satisfies the following conditions. Give the correct sequence in which it can be found that the candidate gets the job in minimum number of conditions.
(i) Got 75% marks both in the written test and the interview.
(ii) Has certification in ABC Course.
(iii) Was born on 7 August 1988.
(iv) Has a work experience of 18 months.
(v) The candidate is a female.

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

Options :

1. (iv), (i), (ii), (iii), (v)

2. (v), (i), (iii), (ii), (iv)

3. (iv), (v), (iii), (i), (ii)

4. (i), (v), (iv), (ii), (iii)

Question Number : 30 Question Id : 3026163130 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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

Steel : Iron Ore :: Aluminum : _____

Options :

1. ✔ Bauxite

2. ✖ Chromite

3. ✖ Hematite

4. ✖ Limonite

Question Number : 31 Question Id : 3026163131 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If GARMENT is coded as 6 and SHIRT as 4, then what is the code for HEIFER?

Options :

Career Railways

1. ✖ 1

2. ✔ 5

3. ✖ 3

4. ✖ 7

Question Number : 32 Question Id : 3026163132 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Each question given below consists of a statement, followed by two arguments numbered I and II. You have to decide which of the arguments is a 'strong' argument.

Statement: Should there be a ban on students to use cell phones at school?

Arguments :

I. Yes, students will be more distracted to the cell phones and pay less attention to the teachers and the lessons.

II. No, cell phones are needed for the emergency purpose.

Options :

1. ✔ Only argument I is strong

2. ✖ Only argument II is strong

3. ✖ Neither I nor II is strong and

4. ✖ Both I and II are strong.

Question Number : 33 Question Id : 3026163133 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Read the given statement and choose which argument is strong.

Statement:
Should all government organisations be privatised?

Argument:

1. No, standard of working will not improve.
2. Yes, standard of working will improve.

Options :

1. ✖ Only argument 1 is strong

2. ✖ Only argument 2 is strong

3. ✖ Either argument 1 or 2 is strong

Career Railways

4. ✔ Neither argument 1 nor 2 is strong

Question Number : 34 Question Id : 3026163134 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:
Even with the increase in petroleum production in India, we still continue to import petrol.

Assumptions:
I: The consumption of petrol per capita has increased in India.
II. Many Indian petroleum refining companies are not in a position to fulfil the demand for petrol in India.

Options :

1. ✖ Only assumption I is implicit

2. ✖ Only assumption II is implicit

3. ✔ Either assumption I or II is implicit

4. ✖ Neither assumption I nor II is implicit

Question Number : 35 Question Id : 3026163135 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:
The local panchayat has decided to appoint a night watchman to guard the village.

Assumption:
I. Having a night guard might ensure safety.
II. Henceforth, people in the village need not worry about thieves.

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 : 3026163136 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If all the letters A, E, R, G and N are arranged to form a meaningful word, then the last letter of the word will be:

Career Railways

Options :

1. ✖ N

2. ✖ A

3. ✔ E

4. ✖ G

Question Number : 37 Question Id : 3026163137 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Solve the following equation:

$11 \times 3 \div \frac{1}{9} - 5 \times 6\left(1 \div \frac{1}{6}\right) = ?$

Options :

1. ✖ 115

2. ✔ 117

3. ✖ -117

4. ✖ -115

Question Number : 38 Question Id : 3026163138 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the next term in this series:
J, P, _____

Options :

1. ✖ S

2. ✔ V

3. ✖ T

4. ✖ U

Question Number : 39 Question Id : 3026163139 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Select the correct set of symbols which will fit in the equation.
(2 _ 9) _7_ (6 _ 2) = 73

Options :

1. ✖ ×, ×, +, -

Career Railways

2. ✗ +, -, ×, +

3. ✓ +, ×, -, -

4. ✗ +, +, -, +

Question Number : 40 Question Id : 3026163140 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What will you do if you find a blind man who has lost his road orientation?

Options :

1. ✗ Help him with some money

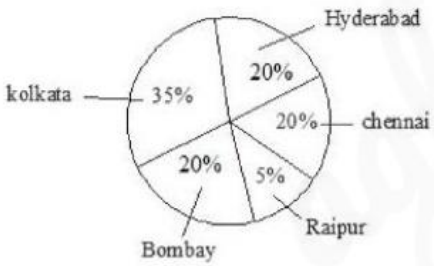
2. ✗ Just show sympathy and give suggestion to the contact the nearest police station.

3. ✗ Avoid the matter totally.

4. ✓ Collect the necessary information related to his destination and guide him accurately.

Question Number : 41 Question Id : 3026163141 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The following pie chart shows the income tax return percentage of employees in different Cities for 2014-2015.



If the total number of employees who filed for income tax returns is 1,70,000, then how many employees filed for IT returns from Raipur?

Options :

1. ✗ 1,70,000

2. ✓ 8,500

3. ✗ 16,500

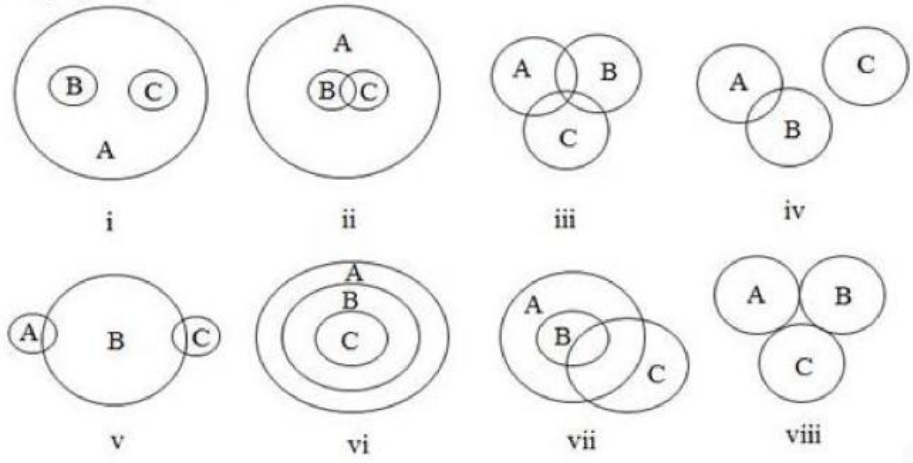
4. ✗ 11,300

Career Railways

Question Number : 42 Question Id : 3026163142 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the most suitable Venn diagram for the given words:

Ledge, Den, Form



Options :

1. ✖ ii

2. ✖ i

3. ✖ vi

4. ✔ viii

Question Number : 43 Question Id : 3026163143 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 equations. Identify which of the equations is/are sufficient to answer the question.

Find the value of x, if

1) x : 10 = 10 : 20
2) x + b = 20

Options :

1. ✔ Only 1 is sufficient

2. ✖ Only 2 is sufficient

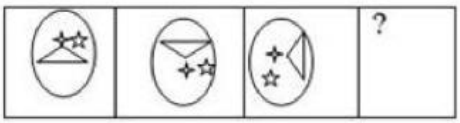
3. ✖ Either 1 or 2 is sufficient

4. ✖ Neither 1 nor 2 is sufficient

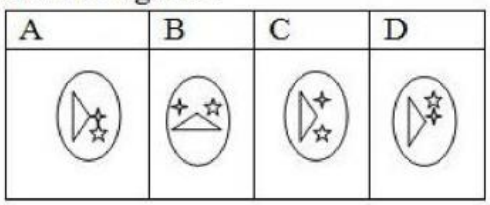
Question Number : 44 Question Id : 3026163144 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Career Railways

Which answer figure should replace the question mark?



Answer figures:



Options :

1. ✔ A

2. ✖ D

3. ✖ C

4. ✖ B

Question Number : 45 Question Id : 3026163145 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.

Tailor : Needle :: Woodcutter : ?

Options :

1. ✔ Axe

2. ✖ Spade

3. ✖ Sword

4. ✖ Harrow

Question Number : 46 Question Id : 3026163146 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Three out of the four options given below are related in a particular way. Choose the option that is different or odd from the others.

Options :

1. ✖ Bull

2. ✖ Drake

Career Railways

3. ✖ Drone

4. ✔ Bee

Question Number : 47 Question Id : 3026163147 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Sunder is facing west. He turns 45° in clockwise direction and then 135° in anti-clockwise direction. In which direction is he facing now?

Options :

1. ✖ North

2. ✖ East

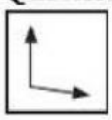
3. ✖ West

4. ✔ South

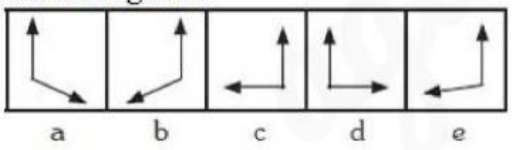
Question Number : 48 Question Id : 3026163148 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Choose the answer figure that closely resembles the mirror image of the given question figure.

Question figure:



Answer figures:



Options :

1. ✖ a

2. ✖ b

3. ✔ e

4. ✖ d

Question Number : 49 Question Id : 3026163149 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the options will replace the question marks in the below number series?
22, 4, 26, 8, 30, 3, ?, ?

Options :

Career Railways

1. ✔ 34, 7

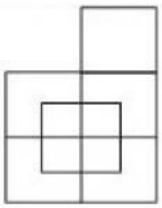
2. ✖ 7, 34

3. ✖ 36, 6

4. ✖ 34, 8

Question Number : 50 Question Id : 3026163150 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the number of squares in following figure:



Options :

1. ✖ 14

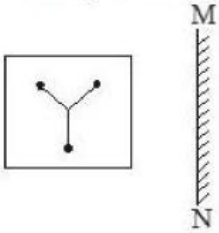
2. ✔ 11

3. ✖ 10

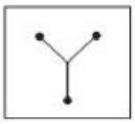
4. ✖ 12

Question Number : 51 Question Id : 3026163151 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

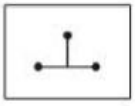
Identify the mirror image of the given figure if the mirror is kept at line MN.

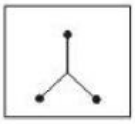


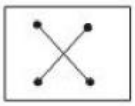
Options :

1. ✔ 

Career Railways

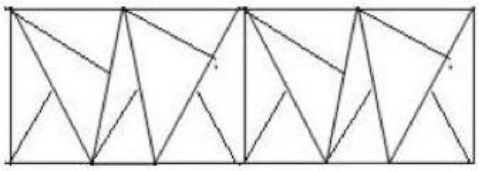
2. ✖ 

3. ✖ 

4. ✖ 

Question Number : 52 Question Id : 3026163152 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

How many triangles are present in the below figure?



Options :

1. ✖ 34

2. ✔ 31

3. ✖ 26

4. ✖ 27

Question Number : 53 Question Id : 3026163153 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Parvathi was heading towards South-East direction. She turns right exactly at 90° and continued walking. Then in which direction she was walking?

Options :

1. ✖ South-East

2. ✔ South-West

3. ✖ North-East

4. ✖ North-West

Career Railways

Question Number : 54 Question Id : 3026163154 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

X goes for a bicycle ride facing North. After some time, X takes a right turn and then makes a 45° turn towards his left. Which direction is he heading towards now?

Options :

1. ✖ South-East

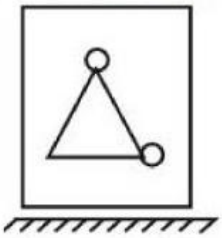
2. ✖ North-West

3. ✔ North-East

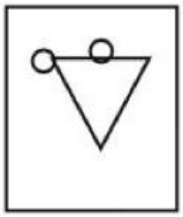
4. ✖ South-West

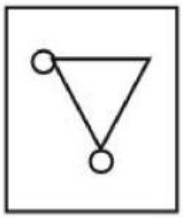
Question Number : 55 Question Id : 3026163155 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

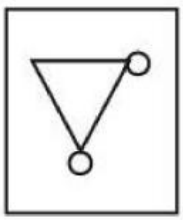
Choose the mirror image for the following image.



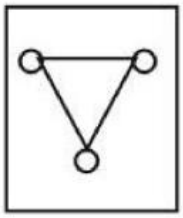
Options :

1. ✖ 

2. ✖ 

3. ✔ 

Career Railways

4. ✖ 

Question Number : 56 Question Id : 3026163156 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Starting from a stationary position, Soni paddles her bicycle to attain a velocity of 60 ms^{-1} in 30 s. Calculate the acceleration of the bicycle.

Options :

1. ✖ 2 ms^2

2. ✔ 2 ms^{-2}

3. ✖ 0.2 ms^{-2}

4. ✖ 0.2 ms^2

Question Number : 57 Question Id : 3026163157 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

F = ma. This equation is referred to as Newton's _____ law.

Options :

1. ✖ I

2. ✔ II

3. ✖ III

4. ✖ IV

Question Number : 58 Question Id : 3026163158 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In a collision _____ is always conserved.

Options :

1. ✖ pressure

2. ✖ force

3. ✔ momentum

Career Railways

4. ✖ thrust

Question Number : 59 Question Id : 3026163159 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Pressure is defined as:

Options :

1. ✖ density per unit volume

2. ✖ weight per unit volume

3. ✖ mass per unit volume

4. ✔ thrust per unit area

Question Number : 60 Question Id : 3026163160 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If the speed of a moving body is doubled, then:

Options :

1. ✖ its kinetic energy is doubled

2. ✖ its acceleration is doubled

3. ✖ its potential energy is doubled

4. ✔ its momentum is doubled

Question Number : 61 Question Id : 3026163161 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

An electric bulb of 60 W is used for 8 hours per day. Calculate the energy consumed in 'units' in one day by the bulb.

Options :

1. ✖ 48 units

2. ✖ 4.8 units

3. ✔ 0.48 units

4. ✖ 480 units

Question Number : 62 Question Id : 3026163162 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

4.2 kwh = ?

Career Railways

Options :

1. ✖ 14.0×10^6 J

2. ✖ 14.4×10^6 J

3. ✖ 14.4×10^5 J

4. ✔ 15.12×10^6 J

Question Number : 63 Question Id : 3026163163 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The focal length of a concave lens is _____.

Options :

1. ✖ zero

2. ✖ positive

3. ✔ negative

4. ✖ infinity

Question Number : 64 Question Id : 3026163164 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A boat at anchor is rocked by waves whose consecutive crests are 100 m apart. The wave velocity of the moving crests is 28 ms^{-1}. What is the frequency of rocking of the boat?

Options :

1. ✖ 1.28Hz

2. ✖ 2.28Hz

3. ✖ 3.28Hz

4. ✔ 0.28Hz

Question Number : 65 Question Id : 3026163165 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

When the current drawn from the mains is more than 20 A, overheating occurs and may cause a fire. What is this called?

Options :

1. ✖ Electric loading

Career Railways

2. ✔ Overloading

3. ✖ Electric shock

4. ✖ Overheating

Question Number : 66 Question Id : 3026163166 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following statements about an electric motor is INCORRECT?

Options :

1. ✖ In electric motor, electrical energy is converted into mechanical energy.

2. ✖ Electric motors operate through the interaction between an electric motor's magnetic field and winding currents to generate force.

3. ✖ DC and Universal electric motors are types of electric motors.

4. ✔ Electric motors are powered by only direct current.

Question Number : 67 Question Id : 3026163167 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Atomic Radius is measured in _____.

Options :

1. ✖ centimetres

2. ✖ millimetres

3. ✔ nanometres

4. ✖ decametres

Question Number : 68 Question Id : 3026163168 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The gram molecular mass of oxygen is 32 g. The density of oxygen is 1.429 g/cc. What is the gram molecular volume of oxygen?

Options :

1. ✔ 22.4 lit

2. ✖ 1 lit

Career Railways

3. ✖ 32 g

4. ✖ 1.429 g/cc

Question Number : 69 Question Id : 3026163169 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Match the elements from the list numbered with roman numbers with the items from the list numbered with alphabets. Select the option that represents the correct matching.

I. Cobalt—
II. Sodium—
III. An allotrope of carbon—
IV. Instrument used to produce images of atoms—

A. Fullerene
B. Co
C. Scanning tunneling microscope (STM)
D. Na

Options :

1. ✔ I-B, II-D, III-A, IV-C

2. ✖ I-B, II-D, III-C, IV-A

3. ✖ I-C, II-D, III-A, IV-B

4. ✖ I-B, II-A, III-D, IV-C

Question Number : 70 Question Id : 3026163170 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Sodium or Potassium salt of Carboxylic Acids are also called _____.

Options :

1. ✖ washing soda

2. ✖ baking soda

3. ✖ bleaching powder

4. ✔ soap

Question Number : 71 Question Id : 3026163171 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Select the incorrect pair from below.

Options :

1. ✖ Mineral acid: It is dangerous

Career Railways

2. ✖ Dilute acid: Has low concentration of acid in aqueous solutions

3. ✖ Strong acid: Completely dissociates into its ions in aqueous solutions

4. ✔ Organic acid: Acid derived from chemical fertilizers

Question Number : 72 Question Id : 3026163172 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The property of metals by which they can be beaten into thin sheets is known as malleability. Which one of the following is not an example of malleability?

Options :

1. ✖ Gold leaf

2. ✖ Lithium foil

3. ✖ Silver foil

4. ✔ Indium leaf

Question Number : 73 Question Id : 3026163173 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

$CaO + H_2O \rightarrow Ca(OH)_2$

The given reaction is an example of _____ reaction.

Options :

1. ✖ Displacement

2. ✖ Double displacement

3. ✔ Combination

4. ✖ Decomposition

Question Number : 74 Question Id : 3026163174 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

_____ is the most electronegative element in the periodic table.

Options :

1. ✔ Flourine

2. ✖ Chlorine

Career Railways

3. ✖ Bromine

4. ✖ Iodine

Question Number : 75 Question Id : 3026163175 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

For two elements to have similar chemical properties, the following is true:

Options :

1. ✖ The elements will show different number of valence electrons

2. ✔ The elements will show same number of valence electrons

3. ✖ The elements will show same atomic masses

4. ✖ The elements will show different atomic masses

Question Number : 76 Question Id : 3026163176 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?

Options :

1. ✖ *Paramecium* and *Plasmodium* belong to the same kingdom as that of *Penicillium*.

2. ✖ *Nostoc* and *Anabaena* are examples of protista.

3. ✔ Yeast used in making bread and beer is a fungus.

4. ✖ Lichen is a composite organism formed from the symbiotic association of an algae and a protozoan.

Question Number : 77 Question Id : 3026163177 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Desert plants' epidermis has a thick waxy coating of _____.

Options :

1. ✖ lignin

2. ✖ pectin

3. ✔ cutin

4. ✖ cellulose

Career Railways

Question Number : 78 Question Id : 3026163178 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the below types of animals have the longest small intestine?

Options :

1. ✖ Carnivores

2. ✖ Omnivores

3. ✖ Insectivores

4. ✔ Herbivores

Question Number : 79 Question Id : 3026163179 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Pollination is followed by _____.

Options :

1. ✖ transpiration

2. ✖ differentiation

3. ✔ fertilisation

4. ✖ spore formation

Question Number : 80 Question Id : 3026163180 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The book 'Origin of Species' was written by:

Options :

1. ✖ Carl Linnaeus

2. ✖ Jean-Baptiste Lamarck

3. ✔ Charles Darwin

4. ✖ John Burdon Sanderson Haldane

Question Number : 81 Question Id : 3026163181 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following countries won a gold medal at the Fifth Commonwealth Nations Bridge Championship?

Options :

Career Railways

1. ✖ Japan

2. ✔ India

3. ✖ Korea

4. ✖ England

Question Number : 82 Question Id : 3026163182 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

With which of the following sport/game Shahzar Rizvi is associated?

Options :

1. ✖ Badminton

2. ✖ Foot ball

3. ✔ Shooting

4. ✖ Archery

Question Number : 83 Question Id : 3026163183 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which sport is Manika Batra associated with?

Options :

1. ✔ Table Tennis

2. ✖ Athletics

3. ✖ Boxing

4. ✖ Billiards

Question Number : 84 Question Id : 3026163184 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The Aga Khan Cup is associated with which sport?

Options :

1. ✔ Hockey

2. ✖ Badminton

Career Railways

3. ✖ Boxing

4. ✖ Cricket

Question Number : 85 Question Id : 3026163185 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who is the man behind Akvarious Productions, one of India's most prolific theatre companies today?

Options :

1. ✔ Akarsh Khurana

2. ✖ Atul Kumar

3. ✖ Rahul da Cunha

4. ✖ Mahesh Dattani

Question Number : 86 Question Id : 3026163186 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The Movie "La La Land" was directed by _____.

Options :

1. ✖ Martin Scorsese

2. ✔ Damien Chazelle

3. ✖ Clint Eastwood

4. ✖ Ryan Gosling

Question Number : 87 Question Id : 3026163187 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Rangarajan Raghavan was recently appointed as the Managing Director Of which company?

Options :

1. ✔ HCL

2. ✖ Wipro

3. ✖ Tata

4. ✖ Accenture

Career Railways

Question Number : 88 Question Id : 3026163188 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who was crowned Miss India USA 2017?

Options :

1. ✖ Prachi Singh

2. ✖ Swapna Mannam

3. ✔ Shree Saini

4. ✖ Kavita Malhotra

Question Number : 89 Question Id : 3026163189 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The Mughal Empire was established in1526 by:

Options :

1. ✖ Daulat Khan

2. ✔ Babur

3. ✖ Ibrahim Lodi

4. ✖ Genghis Khan

Question Number : 90 Question Id : 3026163190 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In which part of the Constitution of India is the mind of the makers of the Constitution reflected?

Options :

1. ✔ Preamble

2. ✖ Fundamental Rights

3. ✖ Fundamental Duties

4. ✖ Citizenship

Question Number : 91 Question Id : 3026163191 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who is the Chief Minister of Manipur as of August 2018?

Options :

1. ✖ Shivraj Singh Chauhan

Career Railways

2. ✔ N. Biren Singh

3. ✖ Manik Sarkar

4. ✖ Arvind Kejriwal

Question Number : 92 Question Id : 3026163192 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The spirit of 'Fraternity' in the Constitution of India is inspired from which country?

Options :

1. ✖ USA

2. ✖ Ireland

3. ✖ Italy

4. ✔ France

Question Number : 93 Question Id : 3026163193 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who has been selected as the new Chief Justice of Madras High Court?

Options :

1. ✖ Dinesh Maheshwari

2. ✖ K. T. Koshi

3. ✔ Vijaya K. Tahilramani

4. ✖ Thottathil B. Radhakrishnan

Question Number : 94 Question Id : 3026163194 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In the beginning of the _____ century AD, the Kushans established their authority over the north-west frontier of India.

Options :

1. ✖ 2^{nd}

2. ✔ 1^{st}

3. ✖ 3^{rd}

Career Railways

4. ✖ 4^{th}

Question Number : 95 Question Id : 3026163195 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

After the death of Aurangzeb in _____, many regional kingdoms under the Mughal Governors emerged powerful in various parts of India.

Options :

1. ✖ 1705

2. ✖ 1706

3. ✔ 1707

4. ✖ 1708

Question Number : 96 Question Id : 3026163196 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

_____ is the southernmost tip of India.

Options :

1. ✔ Indira Point

2. ✖ Barren Islands

3. ✖ Port Blair

4. ✖ Kavaratti

Question Number : 97 Question Id : 3026163197 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following state share its border with Bhutan?

Options :

1. ✖ Nagaland

2. ✖ Manipur

3. ✔ Arunachal Pradesh

4. ✖ Meghalaya

Question Number : 98 Question Id : 3026163198 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Career Railways

Where the head office of Transparency International (an NGO which fights the global corruption) is located?

Options :

1. ✔ Berlin

2. ✖ New York

3. ✖ New Delhi

4. ✖ Geneva

Question Number : 99 Question Id : 3026163199 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which state of India is the leading producer of rice?

Options :

1. ✖ Andhra Pradesh

2. ✖ Uttar Pradesh

3. ✖ Kerala

4. ✔ West Bengal

Question Number : 100 Question Id : 3026163200 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What is traditionally considered the backbone of the Indian Economy?

Options :

1. ✖ Cotton Industry

2. ✖ Mining Industry

3. ✖ Medicine and Pharmaceutical Industry

4. ✔ Agriculture Industry