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 22nd Oct 2018 Shift3
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 : 6789133601 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Rationalise the denominator of $1/(2+\sqrt{3})$

Options :

1. ✖ $2+\sqrt{3}$

2. ✔ $2-\sqrt{3}$

3. ✖ 1

4. ✖ $4+\sqrt{3}$

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Question Number : 2 Question Id : 6789133602 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The product of the two numbers is 120 and the sum of their squares is 289. The sum of the numbers is:

Options :

1. ✖ 28

2. ✖ 32

3. ✔ 23

4. ✖ 26

Question Number : 3 Question Id : 6789133603 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Three bells ring at regular intervals of 45, 60 and 125 minutes respectively. If the three bells ring simultaneously at 10 am on Monday, then when will they ring together?

Options :

1. ✖ Friday (same week), 1 am

2. ✔ Thursday (same week), 1 pm

3. ✖ Friday (next week), 10 pm

4. ✖ Saturday (same week), 9 am

Question Number : 4 Question Id : 6789133604 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the HCF of 2349, 2835, 3078?

Options :

1. ✖ 9

2. ✖ 27

3. ✔ 81

4. ✖ 3

Question Number : 5 Question Id : 6789133605 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

$\frac{24\times15}{12+?} = 165$

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

Options :

1. 124

2. 155

3. 135

4. 55

Question Number : 6 Question Id : 6789133606 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following is the Pythagorean triplet?

Options :

1. ✖ 5, 6, 7

2. ✖ 5, 12, 14

3. ✔ 15, 20, 25

4. ✖ 9, 15, 17

Question Number : 7 Question Id : 6789133607 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following vulgar fractions, when written as a decimal, will not terminate?

Options :

1. ✖ $\frac{81}{450}$

2. ✔ $\frac{240}{450}$

3. ✖ $\frac{21}{640}$

4. ✖ $\frac{27}{480}$

Question Number : 8 Question Id : 6789133608 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the least number that should be added to 20000 so that the sum is divisible by 12, 15 and 25.

Options :

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1. ✖ 180

2. ✖ 200

3. ✖ 150

4. ✔ 100

Question Number : 9 Question Id : 6789133609 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The volumes of a sphere and a right circular cylinder are same. If their radii are also same then find the ratio of radius and the height of the cylinder.

Options :

1. ✖ 1:2

2. ✔ 3:4

3. ✖ 4:3

4. ✖ 1:3

Question Number : 10 Question Id : 6789133610 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

117 balls are divided among A, B and C in the ratio of 2 : 4 : 7. How many balls did A get as compared with C?

Options :

1. ✖ 27 more

2. ✔ 45 less

3. ✖ 27 less

4. ✖ 45 more

Question Number : 11 Question Id : 6789133611 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Neha's ₹ 8,000 becomes ₹ 9,200 after 3 years at a certain simple interest rate. If the interest rate increases by 2%, what will the amount become?

Options :

1. ✖ ₹ 8,900

2. ✖ ₹ 9,800

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3. ✔ ₹ 9,680

4. ✖ ₹ 2,000

Question Number : 12 Question Id : 6789133612 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In a test, Spandana scored 22 out of 50 marks. She will take another test and to pass it she needs to secure an overall 56% marks. If the second test was out of 75 marks, what was her percentage marks in the second test?

Options :

1. ✖ 48

2. ✖ 60

3. ✖ 54

4. ✔ 64

Question Number : 13 Question Id : 6789133613 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Medini can paint a wall alone in 21 days while Yuki would need twice as much time. If they work together, how many days will they take to paint half of the wall?

Options :

1. ✖ 14

2. ✖ 11

3. ✔ 7

4. ✖ 6

Question Number : 14 Question Id : 6789133614 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

16 experts can do as much work as 28 trainees in a given period of time. A piece of work can be done by 12 experts and 15 trainees. How many trainees alongside 8 experts would be needed to complete a similar work in the same duration of time?

Options :

1. ✖ 18

2. ✖ 20

3. ✔ 22

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4. ✖ 24

Question Number : 15 Question Id : 6789133615 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A number of people are employed to construct a bridge over a river in 4 years time. 5% of the workforce is reduced at the end of the 1st year. This reduction is repeated again at the end of the 2nd year. However, in order to complete the bridge on time the workforce is increased by 20% at the end of the 3rd year. If the number of people working from the beginning of the 4th year is 2166, then what was the number of people employed in the beginning?

Options :

1. ✖ 1000

2. ✖ 1500

3. ✔ 2000

4. ✖ 2500

Question Number : 16 Question Id : 6789133616 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In a basket of fruits, 52% are litchis and 48% are kiwis. If they are 50 in number, then what is the ratio of litchis to kiwis?

Options :

1. ✖ 16 : 14

2. ✔ 13 : 12

3. ✖ 8 : 6

4. ✖ 21 : 18

Question Number : 17 Question Id : 6789133617 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In an examination, 40 out of 85 students scored less than 50% marks. The ratio of the number of students who scored 50% marks or more to the number of students who scored less than 50% marks is:

Options :

1. ✔ 9 : 8

2. ✖ 8 : 9

3. ✖ 3 : 4

4. ✖ 5 : 7

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Question Number : 18 Question Id : 6789133618 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If the age of P is twice that of Q, and the sum of their ages 5 years hence is 70, then find the sum of their present ages (in years)?

Options :

1. ✖ 40

2. ✖ 50

3. ✔ 60

4. ✖ 30

Question Number : 19 Question Id : 6789133619 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A path of a uniform width of 2 m runs inside a square field; if the area of this path is 416 m^2, find the area of the field surrounded by this path.

Options :

1. ✔ 2500 m^2

2. ✖ 2400 m^2

3. ✖ 2000 m^2

4. ✖ 2200 m^2

Question Number : 20 Question Id : 6789133620 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the distance between the two parallel sides of a trapezium if the area of the trapezium is 150 sq.m. and the two parallel sides are equal to 10 m and 15 m respectively.

Options :

1. ✖ 10 m

2. ✔ 12 m

3. ✖ 14 m

4. ✖ 15 m

Question Number : 21 Question Id : 6789133621 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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The least value of x which makes $\frac{50}{x-14}$ an integer is:

Options :

1. ✖ -4

2. ✖ 39

3. ✖ -11

4. ✔ -36

Question Number : 22 Question Id : 6789133622 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What does each interior angle of a regular pentagon measure?

Options :

1. ✖ 137.56°

2. ✔ 108°

3. ✖ 128.57°

4. ✖ 148.24°

Question Number : 23 Question Id : 6789133623 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The lengths of the three sides of a triangle are given as 8 cm, 13 cm and 15 cm. The ratio of their corresponding altitudes to the opposite vertices will be:

Options :

1. ✔ 195 : 120 : 104

2. ✖ 15 : 13 : 8

3. ✖ 104 : 195 : 120

4. ✖ 28 : 23 : 21

Question Number : 24 Question Id : 6789133624 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The sum of four consecutive odd numbers is 144. What is the LCM of the first and the last number?

Options :

1. ✖ 286

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2. ✖ 315

3. ✔ 429

4. ✖ 509

Question Number : 25 Question Id : 6789133625 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If $(sec\ A + tan\ A)/(sec\ A - tan\ A)$ is equal to $\left(2 + \frac{51}{79}\right)$, then find $sin\ A$?

Options :

1. ✔ 65/144

2. ✖ 130/256

3. ✖ 23/68

4. ✖ 43/76

Question Number : 26 Question Id : 6789133626 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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

Options :

1. ✖ Emu

2. ✖ Ostrich

3. ✖ Penguin

4. ✔ Vulture

Question Number : 27 Question Id : 6789133627 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Choose the organisation that does not belong the below group:

Options :

1. ✖ IIM Kozhikode

2. ✖ IIM Ahmedabad

3. ✖ IIM Bengaluru

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4. ✔ IISC Bengaluru

Question Number : 28 Question Id : 6789133628 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Pointing to a photograph, Geeta says she is the only daughter of my maternal grandmother. Whom she is pointing at?

Options :

1. ✖ Her cousin

2. ✔ Her mother

3. ✖ Her sister

4. ✖ Her maternal aunt

Question Number : 29 Question Id : 6789133629 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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

Statements:

I. All worms are small.

II. Some animals are small.

Conclusions:

1. All small are worms.

2. Some animals are worms.

Options :

1. ✖ Conclusion 1 alone follows.

2. ✖ Both 1 and 2 follows.

3. ✖ Conclusion 2 alone follows.

4. ✔ Neither 1 nor 2 follows.

Question Number : 30 Question Id : 6789133630 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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

Shallow : Profound :: Synonym : ?

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Options :

1. ✖ Meaning

2. ✖ Context

3. ✖ Content

4. ✔ Antonym

Question Number : 31 Question Id : 6789133631 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In a certain code, RUST is written as UXVW. How is RAIN written in that code?

Options :

1. ✖ DLUC

2. ✖ UDLM

3. ✔ UDLQ

4. ✖ LUDE

Question Number : 32 Question Id : 6789133632 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Given below is a statement followed by two arguments numbered I and II. You have to decide which of the arguments a 'strong' argument is.

Statement:

Should 21st generation parents be counselled on parenting?

Arguments:

I. Yes, this helps them to raise children with good personality.

II. No, there is wastage of time in the process.

Options :

1. ✔ Only argument I is strong

2. ✖ Only argument II is strong

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3. ✖ Neither I nor II is strong and

4. ✖ Both I and II are strong.

Question Number : 33 Question Id : 6789133633 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Read the given question and choose which argument is strong.

Question:

Should the public bus transport company stop issuing free passes for its employees?

Argument:

1. Yes, the company can make a profit and give the employees better infrastructure.
2. No, it's the right of the employee to travel free.

Options :

1. ✖ Only argument 1 is strong

2. ✖ Only argument 2 is strong

3. ✖ Both arguments 1 and 2 are strong

4. ✔ Neither argument 1 nor 2 is strong

Question Number : 34 Question Id : 6789133634 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 government schools and colleges collect minimum fees from the students?

Argument:

1. Yes, it will bring seriousness among parents and students.
2. No, it will force good poor students to skip school or college.

Options :

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1. ✖ Only argument 1 is strong

2. ✔ Only argument 2 is strong

3. ✖ Either argument 1 or 2 is strong

4. ✖ Neither argument 1 nor 2 is strong

Question Number : 35 Question Id : 6789133635 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:

Speaking on the players, the coach exclaimed, "The players need a good night's rest before the actual game."

Conclusions:

I. The coach is insisting on harmonising the biological rhythm so that the players can easily focus on the field

II. The coach is trying to say that his players are exhausted and they need rest to rejuvenate

Options :

1. ✖ Only conclusion I follows

2. ✖ Only conclusion II follows

3. ✖ No conclusion follows

4. ✔ Both the conclusions follow

Question Number : 36 Question Id : 6789133636 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In the Arithmetic Progressive series 142, 148, 154,… what will be the 12^{th} term?

Options :

1. ✖ 300

2. ✖ 210

3. ✔ 208

4. ✖ 200

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Question Number : 37 Question Id : 6789133637 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What comes next in the given series?

6P, 11Q, 17S, 24V, ?

Options :

1. ✖ 30G

2. ✖ 35C

3. ✖ 23A

4. ✔ 32Z

Question Number : 38 Question Id : 6789133638 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the next term in the following series.

K11I9, O15M13, _____

Options :

1. ✔ S19Q17

2. ✖ Q18S19

3. ✖ Q17S19

4. ✖ Q19S17

Question Number : 39 Question Id : 6789133639 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Given the ratio of the sum of first three terms of G.P. is to the sum of first six terms as 125 : 152. Calculate the common ratio of the G.P.?

Options :

1. ✖ $\frac{5}{3}$

2. ✔ $\frac{3}{5}$

3. ✖ $\frac{4}{5}$

4. ✖ $\frac{5}{4}$

Question Number : 40 Question Id : 6789133640 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The volume of footfalls in a store is recorded for four different quarters. The following is the data for the same. What is the average volume of footfalls overall per quarter?

Quarters	Volume of footfall
Quarter1	2,000
Quarter2	1,000
Quarter3	3,500
Quarter4	5,500

Options :

1. ✖ 12,000

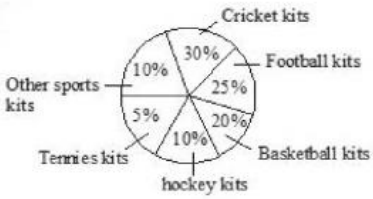
2. ✔ 3,000

3. ✖ 4,000

4. ✖ 10,000

Question Number : 41 Question Id : 6789133641 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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



How much revenue was made by company "XYZ" on the sale of all "Other sports kits" in 2016 (in $)

Options :

1. ✔ 3,68,200

2. ✖ 2,84,600

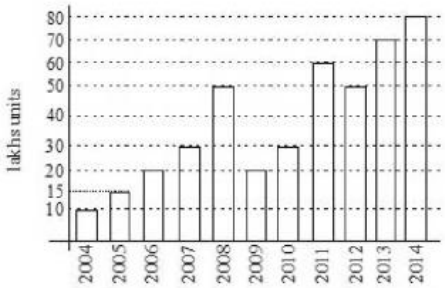
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3. ✖ 7,21,624

4. ✖ 168,527

Question Number : 42 Question Id : 6789133642 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The following bar graph shows information on the sales of the personal computers of the company "XYZ" for the last 10 years.



In which year more number of personal computer units were sold by the company XYZ?

Options :

1. ✖ 2007

2. ✖ 2012

3. ✖ 2013

4. ✔ 2014

Question Number : 43 Question Id : 6789133643 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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

Question:

There are 4 shelves in a cupboard. How many toys can be arranged in shelf 2 based on the below statements?

Statements:

1. Total there are 15 toys
2. Shelf 1 can accommodate 5 toys
3. Shelf 2 and 3 can accommodate equal number of toys
4. Shelf 4 can accommodate 2 toys

Options :

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1. ✔ Statement 1, 2, 3 and 4 together are necessary

2. ✖ Statement 1 and 2 together are sufficient

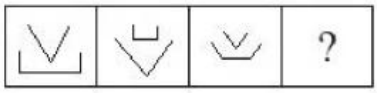
3. ✖ Statement 2 and 3 together are sufficient

4. ✖ The statements are insufficient

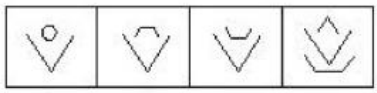
Question Number : 44 Question Id : 6789133644 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the next figure for the given series:

Problem figures:



Answer figures:



Options :

1. ✖ A

2. ✖ B

3. ✔ C

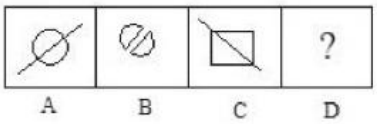
4. ✖ D

Question Number : 45 Question Id : 6789133645 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

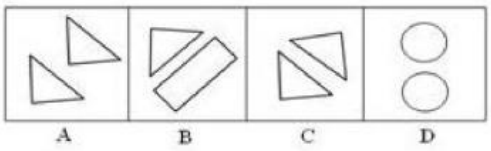
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Find the next figure for the given series:

Problem figures:



Answer figures:



Options :

1. ✖ A

2. ✖ B

3. ✔ C

4. ✖ D

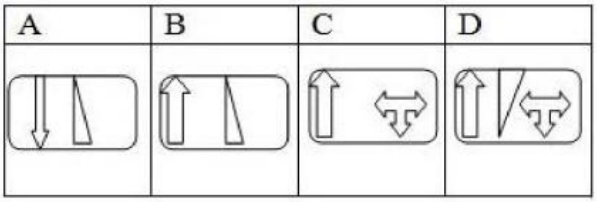
Question Number : 46 Question Id : 6789133646 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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

Question Figure:



Option Figures:



Options :

1. ✖ A

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2. ✖ B

3. ✖ C

4. ✔ D

Question Number : 47 Question Id : 6789133647 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the odd one out:

A	B	C	D
Z/26	D/4	M/12	J/10

Options :

1. ✖ A

2. ✖ B

3. ✔ C

4. ✖ D

Question Number : 48 Question Id : 6789133648 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the odd one out.

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

Options :

1. A

2. K

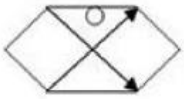
3. G

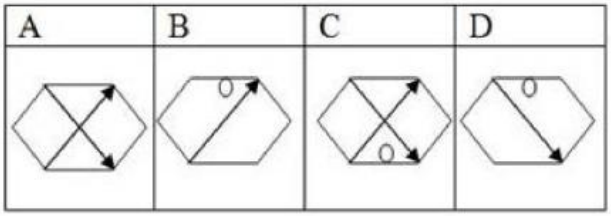
4. F

Question Number : 49 Question Id : 6789133649 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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Which pattern most closely resembles the following pattern?





Options :

1. ✖ A

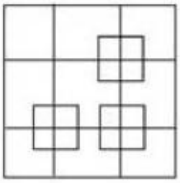
2. ✖ B

3. ✔ C

4. ✖ D

Question Number : 50 Question Id : 6789133650 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the number of squares in the following figure:



Options :

1. ✖ 27

2. ✖ 28

3. ✔ 29

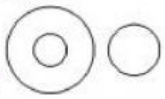
4. ✖ 32

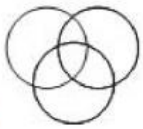
Question Number : 51 Question Id : 6789133651 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Choose the best suitable venn diagram that will represent the following classes: Career Railways

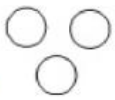
"Copper, Metals, Krypton"

Options :

1. ✔ 

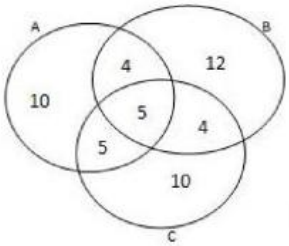
2. ✖ 

3. ✖ 

4. ✖ 

Question Number : 52 Question Id : 6789133652 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The following Venn diagram shows the total of 50 students who take vocational trainings A, B and C. Each one attends at least one training session. How many attend exactly two of the training sessions?



Options :

1. ✖ 32

2. ✖ 20

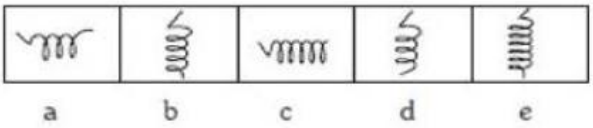
3. ✖ 18

4. ✔ 13

Question Number : 53 Question Id : 6789133653 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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Choose the figure that is different from the rest.



Options :

1. ✖ e

2. ✔ d

3. ✖ c

4. ✖ a

Question Number : 54 Question Id : 6789133654 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Sandip wears a watch. At 6 : 00 pm in his watch the minutes hand is pointing towards North, then in which direction the hours hand points out?

Options :

1. ✖ North

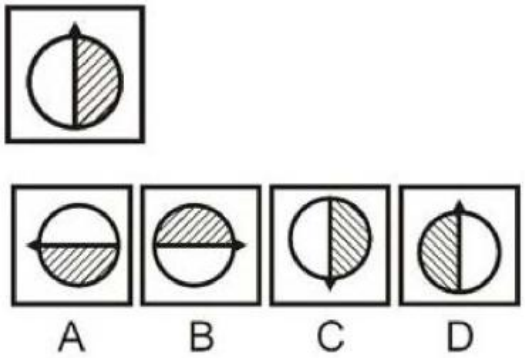
2. ✔ South

3. ✖ East

4. ✖ West

Question Number : 55 Question Id : 6789133655 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the mirror image of the following figure if the mirror is placed to the right.



Options :

1. ✖ A

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2. ✖ B

3. ✖ C

4. ✔ D

Question Number : 56 Question Id : 6789133656 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If momentum (P) and velocity (v) are given, then to find mass (m), the formula is _____.

Options :

1. ✖ P x m

2. ✔ P / m

3. ✖ m / P

4. ✖ P + m

Question Number : 57 Question Id : 6789133657 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The gravitational force applied on an object is termed as:

Options :

1. ✖ Momentum

2. ✖ Tension

3. ✖ Impulse

4. ✔ Weight

Question Number : 58 Question Id : 6789133658 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If the weight of an object is 200 N, find its mass ($g = 10\ ms^{-2}$).

Options :

1. ✔ 20 kg

2. ✖ 20 N

3. ✖ 20 Pa

4. ✖ 20 W

Question Number : 59 Question Id : 6789133659 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

An object weighs 60 N when measured on the surface of the Earth. What would be its weight when measured on the surface of the Moon?

Options :

1. ✖ 360 N

2. ✔ 10 N

3. ✖ 3.6 N

4. ✖ 1 N

Question Number : 60 Question Id : 6789133660 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Work done by gravity does not depend on:

Options :

1. ✔ The path along which the object is moved

2. ✖ The difference in the change in the initial and final position of the object

3. ✖ The difference in the horizontal position of the object

4. ✖ The difference in the vertical heights of the initial and final position of the object

Question Number : 61 Question Id : 6789133661 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

An object, of mass 12 kg is at a certain height above the ground. If the potential energy of the object is 480 J, find the height at which the object is with respect to the ground. Given, $g = 10\ ms^{-2}$

Options :

1. ✖ 7.73 m

2. ✖ 8.03 m

3. ✖ 8.73 m

4. ✔ 4 m

Question Number : 62 Question Id : 6789133662 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

_____ measures the speed of work done.

Options :

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1. ✖ Force

2. ✖ Energy

3. ✔ Power

4. ✖ Pressure

Question Number : 63 Question Id : 6789133663 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following statements is/are true about the speed of sound in different media at 25 °C ?

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

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

Options :

1. ✖ Only A is true

2. ✔ Only B is true

3. ✖ Both A and B are true

4. ✖ Neither A nor B is true

Question Number : 64 Question Id : 6789133664 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The power of a lens is the reciprocal of its:

Options :

1. ✖ Radius

2. ✖ Radius of curvature

3. ✖ Focus

4. ✔ Focal length

Question Number : 65 Question Id : 6789133665 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If the amount of Work done to move a charge of 3 coulombs across two points is 72 joules, what is the Potential Difference between the two points?

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Options :

1. ✖ 216 V

2. ✔ 24 V

3. ✖ 240 V

4. ✖ 2.4 V

Question Number : 66 Question Id : 6789133666 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

How much work is done in moving a charge of 4 C across two points having a potential difference of 10 V?

Options :

1. ✖ 44 J

2. ✖ 48 J

3. ✖ 10 J

4. ✔ 40 J

Question Number : 67 Question Id : 6789133667 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

_____ proposed the modern periodic table.

Options :

1. ✖ Mendeleev

2. ✖ Newlands

3. ✔ Mosley

4. ✖ Dobereiner

Question Number : 68 Question Id : 6789133668 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

How many atoms are present in a molecule of Ammonium chloride?

Options :

1. ✖ 4

2. ✖ 5

3. ✔ 6

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4. ✖ 7

Question Number : 69 Question Id : 6789133669 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A solution contains 44 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. ✖ 12.09 g

3. ✖ 10.36%

4. ✔ 12.09%

Question Number : 70 Question Id : 6789133670 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following solutions has the least pH value?

Options :

1. ✖ Pure water

2. ✔ Lemon juice

3. ✖ Detergent

4. ✖ Blood

Question Number : 71 Question Id : 6789133671 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following statements is/are true?

A. A balanced chemical equation has an equal number of atoms of different elements in the reactants and products.

B. If the surface of a reactive metal is attacked by air, water or other substances around it then it is said to corrode and the effect is called rancid.

Options :

1. ✔ Only A is true

2. ✖ Only B is true

3. ✖ A and B both are true

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4. ✖ A and B both are false

Question Number : 72 Question Id : 6789133672 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

_____ is never found in nature as a free element.

Options :

1. ✖ Au

2. ✖ Ag

3. ✖ Cu

4. ✔ Ca

Question Number : 73 Question Id : 6789133673 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the below are present in some elements are present in some amount in fuels such as coal and petroleum?

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

Options :

1. S and P

2. Ca and P

3. N_2 and P

4. N_2 and S

Question Number : 74 Question Id : 6789133674 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

An element with atomic number _____ will form a basic oxide.

Options :

1. ✖ 7

2. ✖ 17

3. ✖ 14

4. ✔ 11

Question Number : 75 Question Id : 6789133675 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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Which of the following pairs of atomic numbers represent the element belonging to the same group?

Options :

1. ✔ 13 and 31

2. ✖ 14 and 33

3. ✖ 12 and 30

4. ✖ 11 and 20

Question Number : 76 Question Id : 6789133676 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The Angiosperm plants in which seeds contain two Dicotyledons are called:

Options :

1. ✖ Grass

2. ✖ Paphiopedilum

3. ✖ Maize

4. ✔ Dicot plant

Question Number : 77 Question Id : 6789133677 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The three types of simple permanent tissues are:

Options :

1. ✔ Parenchyma, collenchyma and sclerenchyma

2. ✖ Parenchyma, collenchyma and meristem

3. ✖ Phloem, collenchyma and sclerenchyma

4. ✖ Parenchyma, companion cells, and sclerenchyma

Question Number : 78 Question Id : 6789133678 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The growth (movement) of a plant part towards the stimulus is called:

Options :

1. ✖ Positive phototropism.

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2. ✖ Negative tropism.

3. ✔ Positive tropism.

4. ✖ Negative phototropism.

Question Number : 79 Question Id : 6789133679 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following reproduces by budding?

Options :

1. ✖ Amoeba

2. ✖ Plasmodium

3. ✖ Euglena

4. ✔ Hydra

Question Number : 80 Question Id : 6789133680 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In which part of the male reproductive system is the main genetic material found?

Options :

1. ✔ Sperm

2. ✖ Scrotum

3. ✖ Ureter

4. ✖ Prostate gland

Question Number : 81 Question Id : 6789133681 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which Indian boxer won the gold at the 2016 AIBA Youth World Boxing Championships in the 49 kg weight class?

Options :

1. ✔ Sachin Singh

2. ✖ Vikas Krishan

3. ✖ Thokchom Nanao Singh

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4. ✖ Naman Tanwar

Question Number : 82 Question Id : 6789133682 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which sport is Ashwini Ponnappa renowned for?

Options :

1. ✖ Cricket

2. ✔ Badminton

3. ✖ Tennis

4. ✖ Golf

Question Number : 83 Question Id : 6789133683 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which Indian state has hosted the 80th Senior National Table Tennis Championship recently?

Options :

1. ✖ Karnataka

2. ✔ Telangana

3. ✖ Odisha

4. ✖ Rajasthan

Question Number : 84 Question Id : 6789133684 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The 48th International Film Festival of India (IFFI) was held in:

Options :

1. ✖ New Delhi

2. ✖ Kolkata

3. ✔ Goa

4. ✖ Trivandrum

Question Number : 85 Question Id : 6789133685 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Alia Bhatt was awarded with the Best Actor (Female) Filmfare Award of 2017 for the film _____ .

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Options :

1. ✖ Student of the Year

2. ✖ Dear Zindagi

3. ✖ Highway

4. ✔ Udta Punjab

Question Number : 86 Question Id : 6789133686 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who played the lead actor role in the film 'Bandit Queen'?

Options :

1. ✖ Huma Qureshi

2. ✖ Rekha

3. ✔ Seema Biswas

4. ✖ Vidya Balan

Question Number : 87 Question Id : 6789133687 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who has currently been appointed as India's Chief Economic Advisor?

Options :

1. ✖ Arvind Panagariya

2. ✖ Raghuram Rajan

3. ✔ Arvind Subramanian

4. ✖ KM Abraham

Question Number : 88 Question Id : 6789133688 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which Indian scientist has won the prestigious 'Dan David Prize' as a recognition for his contributions made in the field of Astronomy?

Options :

1. ✔ Shrinivas Kulkarni

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2. ✖ Shreejit Kulkarni

3. ✖ Sanjay Kulkarni

4. ✖ Sandesh Kulkarni

Question Number : 89 Question Id : 6789133689 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Name the India-born President of the European Bank for Reconstruction and Development (EBRD). This UK based bank recently approved of India being a member country of the bank.

Options :

1. ✖ Anshu Jain

2. ✖ Rana Talwar

3. ✖ Vikram Pandit

4. ✔ Suma Chakrabarti

Question Number : 90 Question Id : 6789133690 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Kalvakuntala Chandrashekar Rao is the leader of which political party?

Options :

1. ✖ Praja Rajyam Party

2. ✖ Telangana Praja Samiti

3. ✖ Telugu Desam Party

4. ✔ Telangana Rashtra Samithi

Question Number : 91 Question Id : 6789133691 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who was sworn in as the Chief Minister of Bihar in August, 2017?

Options :

1. ✔ Nitish Kumar

2. ✖ Sushil Kumar Modi

3. ✖ Pashupati Paras

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4. ✖ Bijendra Prasad Yadav

Question Number : 92 Question Id : 6789133692 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following state governments has launched Operation Durga to ensure safety of women?

Options :

1. ✖ Odisha

2. ✖ Kerala

3. ✖ Bihar

4. ✔ Haryana

Question Number : 93 Question Id : 6789133693 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following is NOT a Fundamental Right mentioned in the Constitution of India?

Options :

1. ✔ Right to Property

2. ✖ Right to Privacy

3. ✖ Right to Speech

4. ✖ Right to Equality

Question Number : 94 Question Id : 6789133694 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Qutubuddin Aibak and Razia belonged to the _____ dynasty.

Options :

1. ✔ Mamluk

2. ✖ Mughal

3. ✖ Khilji

4. ✖ Lodhi

Question Number : 95 Question Id : 6789133695 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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The name "_____" is derived from the Greek word meaning the 'region beyond the river Indus'.

Options :

1. ✖ Aryavarta

2. ✔ India

3. ✖ Bharatvarsha

4. ✖ Jambudwipa

Question Number : 96 Question Id : 6789133696 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Khasi, Garo and Jaintia hills are in _____.

Options :

1. ✖ Assam

2. ✔ Meghalaya

3. ✖ Sikkim

4. ✖ Nagaland

Question Number : 97 Question Id : 6789133697 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Winds coming down the _____ during winters in India causes cold wave.

Options :

1. ✔ Himalayas

2. ✖ Vindhyas

3. ✖ Aravalis

4. ✖ Western Ghats

Question Number : 98 Question Id : 6789133698 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Where are the headquarters of RBI located?

Options :

1. ✔ Mumbai

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2. ✖ New Delhi

3. ✖ Chennai

4. ✖ Bengaluru

Question Number : 99 Question Id : 6789133699 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What is the technical term used to denote the Budget?

Options :

1. ✖ Quarterly financial statement

2. ✖ Half yearly financial statement

3. ✔ Annual financial statement

4. ✖ Biennial financial statement

Question Number : 100 Question Id : 6789133700 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What was India's world ranking in women's labour force participation in the year 2017?

Options :

1. ✖ 136/144

2. ✔ 135/144

3. ✖ 132/144

4. ✖ 100/144