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 10th Dec 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?:	Yes
Highlighter:	No
Auto Save on Console?:	No

Display Number Panel:	Yes
Group All Questions:	No

Question Number : 1 Question Id : 3026163601 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If $56 \times 37 = 2072$, then $0.00056 \times 3700 = ?$

Options :

1. ✖ 0.2072

2. ✖ 20.72

3. ✔ 2.072

4. ✖ 0.02072

Career Railways

Question Number : 2 Question Id : 3026163602 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

$1.7 + 0.17 + 0.017 + 0.0017 = ?$

Options :

1. ✖ 1.8897

2. ✔ 1.8887

3. ✖ 1.9887

4. ✖ 1.8987

Question Number : 3 Question Id : 3026163603 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

$\frac{10}{27}$, when multiplied by another number, gives $\frac{25}{9}$. What is that number?

Options :

1. ✖ $\frac{5}{3}$

2. ✔ $\frac{15}{2}$

3. ✖ $\frac{5}{2}$

4. ✖ $\frac{9}{2}$

Question Number : 4 Question Id : 3026163604 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

$240 \div 12 \div 2^2 - 2 = ?$

Options :

1. ✖ 10

2. ✖ 78

3. ✖ 40

4. ✔ 3

Question Number : 5 Question Id : 3026163605 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What is the digit in the unit place of the product of first n ($\geq$3) prime numbers?

Career Railways

Options :

1. ✖ 3

2. ✖ 2

3. ✖ 1

4. ✔ 0

Question Number : 6 Question Id : 3026163606 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The HCF of 135 and 225 is 45. What is the LCM of the two numbers?

Options :

1. ✔ 675

2. ✖ 540

3. ✖ 1080

4. ✖ 1350

Question Number : 7 Question Id : 3026163607 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following numbers is not divisible by 8?

Options :

1. ✖ 15712

2. ✖ 18672

3. ✔ 16620

4. ✖ 12448

Question Number : 8 Question Id : 3026163608 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following numbers will have an odd number of factors?

Options :

1. ✖ 54000

2. ✖ 80000

3. ✔ 84100

Career Railways

4. ✖ 75000

Question Number : 9 Question Id : 3026163609 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If $\frac{4^7+4^7+4^7+4^7}{2^7+2^7} = 2^x$ then $x = ?$

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

Options :

1. 4×2^8

2. 2^8

3. 2^7

4. 2^9

Question Number : 10 Question Id : 3026163610 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Arjun, Bhakti and Carol were paid a total of ₹ 3900 for working in a library. Each was paid in proportion to the number of hours he or she worked. If Arjun worked for 30 hours, Bhakti worked for 40 hours, and Carol worked for 60 hours, how much was Arjun paid?

Options :

1. ✔ ₹ 900

2. ✖ ₹ 1200

3. ✖ ₹ 1800

4. ✖ ₹ 800

Question Number : 11 Question Id : 3026163611 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A shopkeeper sold a mobile phone for ₹ 7,930 and made a profit of 22%. What is the cost price of the phone?

Options :

1. ✔ ₹ 6,500

2. ✖ ₹ 6,450

3. ✖ ₹ 6,560

Career Railways

4. ✖ ₹ 6,580

Question Number : 12 Question Id : 3026163612 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

By selling a laptop for ₹ 23,650 Yousuf makes a profit of 18.25%. What should have been the selling price to make a profit of 25%?

Options :

1. ✖ ₹ 24,000

2. ✖ ₹ 24,500

3. ✖ ₹ 24,750

4. ✔ ₹ 25,000

Question Number : 13 Question Id : 3026163613 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

It took 51 people 75 days to construct a house. What fraction of the work can be completed by 34 people in 90 days?

Options :

1. ✖ $\frac{2}{3}$

2. ✔ $\frac{4}{5}$

3. ✖ $\frac{5}{6}$

4. ✖ $\frac{7}{15}$

Question Number : 14 Question Id : 3026163614 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A and B can do a piece of work together in 35 days. If A works alone and completes $\frac{5}{6}$ of the work and then leaves the rest for B to do by herself, it takes a total of 70 days to complete the work. How many days would it take A, the more efficient among the duo, to complete the entire work by oneself?

Options :

1. ✖ 36

2. ✔ 42

3. ✖ 45

Career Railways

4. ✖ 48

Question Number : 15 Question Id : 3026163615 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Amrit can walk at a speed of 5 km/h or cycle at a speed of 12 km/h. To cover a distance of 107 km Amrit took 13 hours. How many kilometres did Amrit travel on foot?

Options :

1. ✖ 32

2. ✖ 34

3. ✔ 35

4. ✖ 36

Question Number : 16 Question Id : 3026163616 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A's age is twice B's. Four years ago A was 3 times as old as B. Find the ages of A and B in years?

Options :

1. ✔ 16, 8

2. ✖ 8, 4

3. ✖ 10, 5

4. ✖ 32, 20

Question Number : 17 Question Id : 3026163617 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A tank can be filled by tap A in 4 hrs and tap B can fill the same in 5 hrs. Tap C can empty the filled tank in 10 hrs. If all the three taps are opened simultaneously, how much time will it take to fill the tank completely?

Options :

1. ✖ 8 hrs

2. ✖ $\frac{40}{23}$ hrs

3. ✖ $\frac{10}{23}$ hrs

4. ✔ $\frac{20}{7}$ hrs

Career Railways

Question Number : 18 Question Id : 3026163618 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The sum of the ages of X, Y and Z is 44. Their ages are in ascending order. If X is twice as old as Y and thrice as old as Z, find the age of Y.

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

Options :

1. 8

2. 10

3. 12

4. 14

Question Number : 19 Question Id : 3026163619 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What would be reflex angle formed between the hour hand and the minute hand of a clock at 03:25:36 hours?

Options :

1. ✖ 309.8°

2. ✔ 309.2°

3. ✖ 310.2°

4. ✖ 310.8°

Question Number : 20 Question Id : 3026163620 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Pipe P alone can fill up a cistern in 15 hours. Pipe Q alone can fill up the same cistern in 20 hours. The pipes are simultaneously opened and it is found that due to a leakage at the bottom of the cistern, it takes 60/91 hours extra for the cistern to be completely filled. Calculate the time taken by the leak to empty the completely filled up cistern if both the pipes are closed.

Options :

1. ✖ 100 hours

2. ✖ 110 hours

3. ✔ 120 hours

4. ✖ 140 hours

Question Number : 21 Question Id : 3026163621 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Career Railways

If 17 less than four times a number is 11, then the number is:

Options :

1. ✖ 1.5

2. ✖ 3

3. ✖ 4.5

4. ✔ 7

Question Number : 22 Question Id : 3026163622 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The number of television sets sold at an electronics store on six of the last seven business days were 36, 18, 48, 12, 42, and 24 respectively. Among the given alternatives, what is the number of television sets sold on the seventh business day such that the arithmetic mean (average) number of television sets sold per business day for the seven days is equal to the median number of television sets sold per business day for the seven days?

Options :

1. ✖ 12 television sets

2. ✔ 30 television sets

3. ✖ 24 television sets

4. ✖ 36 television sets

Question Number : 23 Question Id : 3026163623 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If $x^2 + 4kx + 2k = 0$ has two distinct real solutions, then the value of k will satisfy:

Options :

1. ✔ $k < 0$ or $k > 0.5$

2. ✖ $0 < k < 0.5$

3. ✖ $k > 0.5$

4. ✖ $k < 0$

Question Number : 24 Question Id : 3026163624 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The ratio of the corresponding sides of two similar triangles is 4 : 5. If the area of the smaller triangle is $48 cm^2$, what is the area of the bigger one?

Options :

Career Railways

1. ✖ $55\ cm^2$

2. ✔ $75\ cm^2$

3. ✖ $45\ cm^2$

4. ✖ $48\ cm^2$

Question Number : 25 Question Id : 3026163625 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In a class, there were 9 boys and some girls. In a test, the average score obtained by the boys was 14 and that obtained by the girls was 16. If the overall average was 15.28, what was the total number of students in the class?

Options :

1. ✖ 24

2. ✔ 25

3. ✖ 26

4. ✖ 27

Question Number : 26 Question Id : 3026163626 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the instrument that does NOT belong to the group.

Options :

1. ✖ Guitar

2. ✖ Violin

3. ✖ Cello

4. ✔ Tabla

Question Number : 27 Question Id : 3026163627 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If $P + Q = 10$ and $PQ = 24$, then find the value of P and Q.

Options :

1. ✔ 6, 4

2. ✖ 3, 4

Career Railways

3. ✖ 4, 2

4. ✖ 2, 3

Question Number : 28 Question Id : 3026163628 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The following are the eligibility criteria for a job at a government organisation:

The age of the candidate should be from 24 to 30 years as on 15 April 2017.
The candidate must have secured at least 58% marks in BSc-Maths.
The candidate must have done post-graduate in Maths or Statistics with at least 62% marks.
The candidate must have an experience of at least 2 years.
The candidate must have secured at least 60% in the written test and 70% in the interview.

Sathish Bharadwaj received his Master's in Applied Mathematics from NIT Warangal. Now, he is applying for the aforementioned job. If the following are his particulars, then decide which of them is NOT essential for final selection?
(i) He was born on 7th July 1988.
(ii) He completed his graduation with 66% marks and secured 76% marks in Class 12.
(iii) He has worked for 3 years in ABC Company.
(iv) He got 72% in the written test and 75% in the interview.
(v) He did his graduation and post-graduation in Maths.
(vi) He secured 64% marks in post-graduation.

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

Options :

1. Only (ii)

2. Only (ii) and (iii)

3. Only (iii)

4. Even with all the given information, he will not be selected.

Question Number : 29 Question Id : 3026163629 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Three statements are given followed by three conclusions labelled I, II and III. Consider the given statements to be true even if they seem to be at variance with the commonly known facts and then decide which of the given conclusions logically follow(s) from the given statements disregarding the commonly known facts.

Statements:
Some S are C.
All T are M.
No C is a M.

Conclusions:
I. No M is a C.
II. All M being S is a possibility.
III. No T is a C.

Options :

Career Railways

1. ✖ Only I follows.

2. ✔ Only I and II follow.

3. ✖ Only I and III follow.

4. ✖ All I, II and III follow.

Question Number : 30 Question Id : 3026163630 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the below statements is sufficient to answer the question?

Statements:

1. She studies scientific phenomenon.
2. She is to acquire a degree in pure sciences.

Question:

Is she a student of science?

Options :

1. ✖ 1 alone is sufficient while 2 alone is not sufficient to answer

2. ✖ 2 alone is sufficient while 1 alone is not sufficient to answer

3. ✖ Both 1 and 2 are necessary to answer

4. ✔ Either 1 or 2 alone is sufficient to answer

Question Number : 31 Question Id : 3026163631 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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

Statement:

Some jaguars are cheetahs, No cheetah is a leopard, Some Jaguars are leopards.

Conclusions:

1. No jaguar is a leopard.
2. No cheetah is a jaguar.

Options :

1. ✖ Only conclusion 1 follows

2. ✖ Only conclusion 2 follows

Career Railways

3. ✔ Neither 1 nor 2 follows

4. ✖ Both 1 and 2 follows

Question Number : 32 Question Id : 3026163632 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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

Statement:
There is growing pressure from the United Nations on developing countries that test nuclear weapons.
Conclusions:
1. Citizens of developing countries favour nuclear tests.
2. Developed countries do not want the developing countries to grow strong.

Options :

1. ✖ Only conclusion 1 follows

2. ✖ Only conclusion 2 follows

3. ✖ Both 1 and 2 follows

4. ✔ Neither 1 nor 2 follows

Question Number : 33 Question Id : 3026163633 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. Assuming that the information in the statements is true, even if they appear to be in variance with commonly known facts, select which of the conclusions logically follow(s) from the statement(s) beyond reasonable doubt.

Statements:
No paper is bag. All bags are boxes

Conclusions:
(I) Some boxes are bags
(II) Some boxes are papers
(III) No box is paper

Options :

1. ✖ Only I follows

2. ✖ Either II or III follows

3. ✔ Either II or III or I follows

4. ✖ None follows

Career Railways

Question Number : 34 Question Id : 3026163634 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:
Fresh fruits are better than artificial fruit jelly chocolates.

Arguments:
I. Yes, fresh fruits are sources of vitamins and are tasty.
II. No, fruit jelly chocolates are taster than fruits and healthier.

Options :

1. ✔ Only argument I is strong

2. ✖ Only argument II is strong

3. ✖ Neither argument I nor II is strong

4. ✖ Both argument I and II are strong

Question Number : 35 Question Id : 3026163635 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:
Nowadays many use YouTube to learn new software skills and there are very few computer learning centers as there were few years back.

Arguments:
I. Yes, Many learned people share their knowledge on the internet through videos and lectures and YouTube has been a repository for many such information.
II. No, even though there are online resources, only those who are self-learners use them.

Options :

1. ✔ Only argument I is strong.

2. ✖ Only argument II is strong.

3. ✖ Both arguments I and II are strong.

4. ✖ Neither I nor II is strong.

Question Number : 36 Question Id : 3026163636 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

4 W X Z 8 Q P O J 6 G T M V E U H 5 3 B

The 5^{th} term to the left of the 8^{th} term from the left is:

Career Railways

Options :

1. ✖ M

2. ✖ W

3. ✔ X

4. ✖ V

Question Number : 37 Question Id : 3026163637 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What is the next term in the following series.

B2D4C3, F6H8G7, J10L12K11, _____

Options :

1. ✔ N14P16O15

2. ✖ N14P15 O16

3. ✖ N13P16 O15

4. ✖ N13P15 O16

Question Number : 38 Question Id : 3026163638 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If '>' is treated as '−', '−' is treated as '+' and '+' is treated as '×', then what is the value of ((50 + 20) − 30) − 40 ?

Options :

1. ✖ 1000

2. ✔ 1070

3. ✖ 1200

4. ✖ 1270

Question Number : 39 Question Id : 3026163639 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the next two terms in the series.
TSR, 201918, QPO, 171615, _____, _____.

Options :

1. ✖ LMN, 131412

Career Railways

2. ✔ NML, 141312

3. ✖ LMN, 141312

4. ✖ NML, 131412

Question Number : 40 Question Id : 3026163640 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Last year, Malati's capital investment for a small business venture was ₹ 15,000. This year, in order to cater to her new customer base, she is planning to increase the capital funding to 20% of what she had invested last year. How much money is Malati planning to invest this year?

Options :

1. ✖ ₹ 60,000

2. ✔ ₹ 18,000

3. ✖ ₹ 12,500

4. ✖ ₹ 11,000

Question Number : 41 Question Id : 3026163641 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Consider the following question and decide which of the statements is sufficient to answer the question.

Question:
Find the value of slope of the line.

Statements:
I. $y = 2x + c$ is the equation for line.
II. Line's interception C = 2.

Options :

1. ✔ Only I is sufficient

2. ✖ Only II is sufficient

3. ✖ Either I or II is sufficient

4. ✖ Neither I nor II is sufficient

Question Number : 42 Question Id : 3026163642 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Career Railways

You are given an argument and two assumption. Read them carefully and select the assumption(s) that logically follow(s) from the argument.

Argument:
Channel X is the only news channel that provides good news

Assumption:
1. The channel covers important news around the country
2. People always want breaking news in news channels

Options :

1. ✔ Only assumption 1 follows

2. ✖ Only assumption 2 follows

3. ✖ Both 1 and 2 follows

4. ✖ Neither 1 and 2 follows

Question Number : 43 Question Id : 3026163643 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Consider the following question and the statements that follow and decide which of the statements is sufficient to answer the question.

Question:
Find the value of 'L', if:

Statements:
1) L is the amount of fluid (in lts) poured by a tap into a vessel.
2) tap is turned on for 1 hr. Flow rate of tap is x lts/hr
3) $x = 30$ lts/hr

Options :

1. ✖ Only statement 1 is sufficient

2. ✔ All the statements 1, 2 and 3 are sufficient

3. ✖ Only statements 2 and 3 are sufficient

4. ✖ Neither of the statements is sufficient

Question Number : 44 Question Id : 3026163644 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.

Tehran : Iran :: Madrid : ?

Options :

Career Railways

1. ✖ China

2. ✔ Spain

3. ✖ Japan

4. ✖ Italy

Question Number : 45 Question Id : 3026163645 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.

Gambler : Casino :: Worker : ?

Options :

1. ✖ Office

2. ✔ Factory

3. ✖ Stage

4. ✖ Shop

Question Number : 46 Question Id : 3026163646 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. ✔ Hospitals

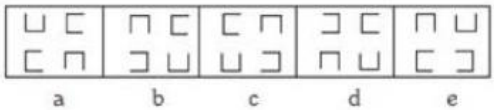
2. ✖ Bees

3. ✖ Birds

4. ✖ Aeroplane

Question Number : 47 Question Id : 3026163647 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Out of the five figures marked (a), (b), (c), (d) and (e), four are similar in a certain manner. However, one figure is unlike the other four. Choose the figure which is different from the rest.



Career Railways

Options :

1. ✖ e

2. ✖ d

3. ✖ c

4. ✔ a

Question Number : 48 Question Id : 3026163648 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Choose the figure that is different from the rest.



a b c d

Options :

1. ✖ c

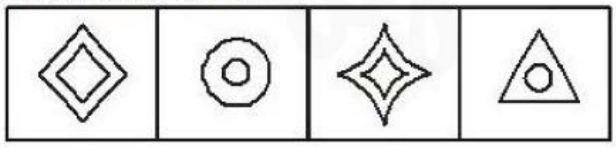
2. ✖ a

3. ✖ b

4. ✔ d

Question Number : 49 Question Id : 3026163649 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

Options :

1. ✖ A

2. ✖ B

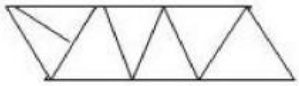
3. ✖ C

4. ✔ D

Career Railways

Question Number : 50 Question Id : 3026163650 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

How many triangles are there in the following figure?



Options :

1. ✖ 10

2. ✖ 14

3. ✔ 8

4. ✖ 6

Question Number : 51 Question Id : 3026163651 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The given figure made with some straight lines. Find the minimum number of slanting straight lines required to make the given figure.



Options :

1. ✖ 9

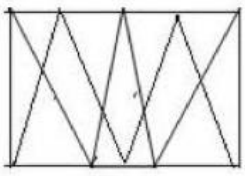
2. ✔ 7

3. ✖ 15

4. ✖ 16

Question Number : 52 Question Id : 3026163652 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. ✖ 18

Career Railways

2. ✖ 19

3. ✔ 20

4. ✖ 15

Question Number : 53 Question Id : 3026163653 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Starting from point O facing West, a man walks 4 kilometre reach point A, turns right walks 4 kilometre reach point B, turn right walks 4 kilometre reach point C, turns right walks 3 kilometre reach point D, turns left walks 4 kilometre reach point E, turns right walks 5 kilometre reach point F. The shortest distance between the starting and the final point is:

Options :

1. ✖ $3\sqrt{2}$

2. ✔ $4\sqrt{2}$

3. ✖ $\sqrt{2}$

4. ✖ $5\sqrt{2}$

Question Number : 54 Question Id : 3026163654 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

XX goes for a walk facing the north. After some time XX takes a 45° left turn and walks half a kilometre and then makes another 90° turn to his left. In which direction is XX going with respect to his initial position?

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

Options :

1. South-east

2. North-west

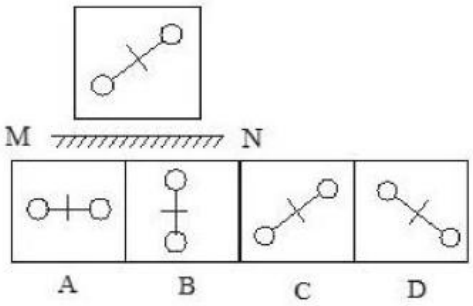
3. North-east

4. South-west

Question Number : 55 Question Id : 3026163655 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Career Railways

Choose the mirror image for the following figure:



Options :

1. ✖ A

2. ✖ B

3. ✖ C

4. ✔ D

Question Number : 56 Question Id : 3026163656 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

1 Newton = ?

Options :

1. ✖ $1\ kg \times 1\ ms^{1}$

2. ✖ $1\ kg \times 1\ ms^{-1}$

3. ✖ $1\ kg \times 1\ ms^{2}$

4. ✔ $1\ kg \times 1\ ms^{-2}$

Question Number : 57 Question Id : 3026163657 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

_____ are used to describe the overall motion of an object and to locate its final position with reference to its initial position at a given time.

Options :

1. ✖ Distance and speed

2. ✖ Displacement and velocity

3. ✖ Velocity and speed

Career Railways

4. ✔ Distance and displacement

Question Number : 58 Question Id : 3026163658 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

As the depth from the free surface of a liquid decreases, the pressure exerted by the liquid _____.

Options :

1. ✖ becomes zero

2. ✖ increases

3. ✔ decreases

4. ✖ remains the same

Question Number : 59 Question Id : 3026163659 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

An object is thrown vertically upwards. It rises to a height of 100 m and comes back to the thrower. Then:

Options :

1. ✖ The total distance covered by the object is zero.

2. ✖ The net displacement of the object is 50 m.

3. ✔ The net displacement of the object is zero.

4. ✖ The net displacement of the object is 100 m.

Question Number : 60 Question Id : 3026163660 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

An iron sphere of mass 30 kg has the same diameter as an aluminum sphere whose mass is 10.5 kg. The spheres are dropped simultaneously from a cliff. When they are 10 m from the ground, they have the same _____.

Options :

1. ✔ acceleration

2. ✖ momentum

3. ✖ potential energy

4. ✖ kinetic energy

Question Number : 61 Question Id : 3026163661 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Career Railways

If the angle between the applied force and the direction of displacement is 90°, then the work done is:

Options :

1. ✖ positive

2. ✔ zero

3. ✖ negative

4. ✖ neutral

Question Number : 62 Question Id : 3026163662 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A block of mass 0.5 kg is moving with a speed of 2.0 m/s on a smooth surface. It strikes another mass of 1.0 kg and then they move together as a single body. The energy loss during the collision is:

Options :

1. ✖ 0.16 J

2. ✖ 0.32 J

3. ✔ 0.67 J

4. ✖ 1 J

Question Number : 63 Question Id : 3026163663 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The focal length of double concave lens is found to be -40. What does the minus sign indicate?

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

Options :

1. Lens is convergent

2. Lens is divergent

3. Lens is concave

4. Lens is convex

Question Number : 64 Question Id : 3026163664 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The technique used to absorb noise by using soft and porous surfaces is called:

Options :

Career Railways

1. ✔ Acoustic protection

2. ✖ Refraction

3. ✖ Absorption

4. ✖ Audible protection

Question Number : 65 Question Id : 3026163665 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If the same potential difference exists across two resistors, then they are:

Options :

1. ✖ connected in series

2. ✔ connected in parallel

3. ✖ highly reactive

4. ✖ highly electromagnetic

Question Number : 66 Question Id : 3026163666 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What does the diagram shows?



Options :

1. ✖ Random motion of electrons in closed circuit

2. ✔ Random motion of electrons in open circuit

3. ✖ Random motion of protons in open circuit

4. ✖ Random motion of atoms in open circuit

Question Number : 67 Question Id : 3026163667 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

An element has an electronic configuration as 2, 8, 2. It belongs to the _____ group in the Modern Periodic Table.

Options :

Career Railways

1. ✖ 5^{th}

2. ✖ 8^{th}

3. ✔ 2^{nd}

4. ✖ 12^{th}

Question Number : 68 Question Id : 3026163668 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

_____ is the formula unit mass of Nacl.

Options :

1. ✖ 5.85μ

2. ✖ 585μ

3. ✔ 58.5μ

4. ✖ 0.585μ

Question Number : 69 Question Id : 3026163669 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The percentage of hydrogen in an H_2O molecule is:

Options :

1. ✖ 5.55

2. ✖ 1.11

3. ✔ 11.11

4. ✖ 55.5

Question Number : 70 Question Id : 3026163670 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The Law of Octaves was applicable only up to _____.

Options :

1. ✖ Magnesium

2. ✖ Zinc

Career Railways

3. ✔ Calcium

4. ✖ Bromine

Question Number : 71 Question Id : 3026163671 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the below is not correctly matched?

Options :

1. ✖ pH of Blood- 7.4

2. ✖ pH of vinegar- 2.2

3. ✔ pH of pure water- 7.5

4. ✖ pH of Milk-6.6

Question Number : 72 Question Id : 3026163672 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following Allotropes of Carbon is used for adsorbing colored impurities and bad odors from water and other substances?

Options :

1. ✖ Graphite

2. ✖ Coke

3. ✔ Charcoal

4. ✖ Carbon Black

Question Number : 73 Question Id : 3026163673 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Oxides of metals are usually _____.

Options :

1. ✖ neutral

2. ✔ basic

3. ✖ acidic

4. ✖ less reactive amphoteric oxides

Career Railways

Question Number : 74 Question Id : 3026163674 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

How many groups are there in Mendeleev's periodic table?

Options :

1. ✖ 7

2. ✔ 8

3. ✖ 18

4. ✖ 14

Question Number : 75 Question Id : 3026163675 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

_____ is the energy liberated when an electron is added to its neutral gaseous atom.

Options :

1. ✔ electron affinity

2. ✖ Ionization energy

3. ✖ Electro positivity

4. ✖ electro negativity

Question Number : 76 Question Id : 3026163676 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

_____ smoothens the bone surface at joints.

Options :

1. ✖ Ligament

2. ✖ Tendons

3. ✔ Cartilage

4. ✖ Adipose

Question Number : 77 Question Id : 3026163677 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The husk of a coconut is made of _____ tissue.

Options :

Career Railways

1. ✖ Collenchyma

2. ✖ Parenchyma

3. ✔ Sclerenchyma

4. ✖ Xylem

Question Number : 78 Question Id : 3026163678 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Five Kingdom Classification of organisms was given by:

Options :

1. ✖ Linnaeus

2. ✔ Whittaker

3. ✖ Aristotle

4. ✖ Darwin

Question Number : 79 Question Id : 3026163679 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following reproduces by spore formation?

Options :

1. ✖ Bryophyllum

2. ✖ Hydra

3. ✔ Rhyzopus

4. ✖ Planaria

Question Number : 80 Question Id : 3026163680 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which part of the plant is specialised to reproduce asexually in a Runner (grass)?

Options :

1. ✔ Stem

2. ✖ Root

Career Railways

3. ✖ Leaf

4. ✖ Flower

Question Number : 81 Question Id : 3026163681 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which country becomes the smallest nation in terms of population ever to enter FIFA World Cup?

Options :

1. ✖ Italy

2. ✔ Iceland

3. ✖ Greenland

4. ✖ Finland

Question Number : 82 Question Id : 3026163682 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

With which sport/game Ramanuja trophy and Travancore cup are associated?

Options :

1. ✖ Tennis

2. ✖ Badminton

3. ✔ Table tennis

4. ✖ Chess

Question Number : 83 Question Id : 3026163683 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who is the present Coach of the Indian Hockey Team?

Options :

1. ✖ Sjoerd Marijne

2. ✔ Harendra Singh

3. ✖ Jose Brasa

4. ✖ Michael Nobbs

Career Railways

Question Number : 84 Question Id : 3026163684 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who has played the role of the lead actress role in the movie 'Padmaavat', which was released in the year 2018?

Options :

1. ✖ Priyanka Chopra

2. ✖ Kareena Kapoor

3. ✔ Deepika Padukone

4. ✖ Manisha Koirala

Question Number : 85 Question Id : 3026163685 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which Children's cartoon series is based in a small village of Dholakpur?

Options :

1. ✔ Chota Bheem

2. ✖ Pakdam Pakdai

3. ✖ Motu Patlu

4. ✖ Sally Bollywood

Question Number : 86 Question Id : 3026163686 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which among the following writers won the Bhupen Hazarika National Award 2017?

Options :

1. ✔ Yeshe Dorjee Thongshi

2. ✖ Jhumpa Lahiri

3. ✖ Ruskin Bond

4. ✖ Salman Rushdie

Question Number : 87 Question Id : 3026163687 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Aroon Poorie is the managing Director of which news channel?

Options :

1. ✖ NDTV

Career Railways

2. ✖ RS TV

3. ✔ India Today

4. ✖ DD Sports

Question Number : 88 Question Id : 3026163688 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

As of February 2018, who was the Director General of Sports Authority of India (SAI)?

Options :

1. ✖ Sanjay Kumar

2. ✖ S.S. Chhabra

3. ✖ V.K. Sharma

4. ✔ Neelam Kapur

Question Number : 89 Question Id : 3026163689 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

NITI Aayog was established by the Government of India to replace:

Options :

1. ✖ Finance Commission

2. ✖ Law Commission

3. ✔ Planning Commission

4. ✖ UPSC

Question Number : 90 Question Id : 3026163690 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which company has set up the world's largest mobile factory in Noida?

Options :

1. ✖ Xiaomi Corporation

2. ✖ Vivo Communication Technology Co

3. ✔ Samsung

Career Railways

4. ✖ Apple

Question Number : 91 Question Id : 3026163691 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which political party is in power in Gujarat as of August 2018?

Options :

1. ✖ Congress

2. ✖ Aam Aadmi Party

3. ✖ CPM

4. ✔ BJP

Question Number : 92 Question Id : 3026163692 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What is the capital city of Tripura?

Options :

1. ✔ Agartala

2. ✖ Dehradun

3. ✖ Guwahati

4. ✖ Imphal

Question Number : 93 Question Id : 3026163693 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Moradabad is renowned for _____ work and has carved a niche for itself in the handicraft industry throughout the world.

Options :

1. ✖ copper

2. ✔ brass

3. ✖ Diamond

4. ✖ Steel

Question Number : 94 Question Id : 3026163694 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Career Railways

The Indus people mixed copper and tin to make _____.

Options :

1. ✖ iron

2. ✔ bronze

3. ✖ gold

4. ✖ lead

Question Number : 95 Question Id : 3026163695 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The construction of the Victoria Terminus (now called Chhatrapati Shivaji Maharaj Terminus) was completed in _____.

Options :

1. ✖ 1884

2. ✖ 1878

3. ✔ 1888

4. ✖ 1890

Question Number : 96 Question Id : 3026163696 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which mountain ranges from the eastern and the western edge of the Deccan Plateau?

Options :

1. ✖ Aravalis and Pir Panjal

2. ✖ Shivalik Range and Zanskar

3. ✔ Eastern and Western Ghats

4. ✖ Karakoram and Vindhya

Question Number : 97 Question Id : 3026163697 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Kaiga Generating Station is a nuclear power generating station situated at Kaiga, in _____.

Options :

1. ✖ Odisha

Career Railways

2. ✔ Karnataka

3. ✖ Bihar

4. ✖ Gujarat

Question Number : 98 Question Id : 3026163698 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

India's first interstate connected wind power project was commissioned in:

Options :

1. ✖ Tarapur

2. ✖ Salem

3. ✔ Bhuj

4. ✖ Cochin

Question Number : 99 Question Id : 3026163699 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following metals is found abundantly in Balaghat mines?

Options :

1. ✔ Manganese

2. ✖ Iron-ore

3. ✖ Aluminium

4. ✖ Bauxite

Question Number : 100 Question Id : 3026163700 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A new bridge will be constructed at an estimated cost of ₹ 158.65 crore over Mechi River at the India-Nepal border. This bridge will be funded by India through the loan taken from:

Options :

1. ✔ Asian Development Bank

2. ✖ World Bank

3. ✖ Reserve Bank of India

4. ✖ Bank of Nepal

aglasem.com