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 27th Nov 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 : 6789136301 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The value of $\sqrt{\frac{256 \times 289}{4^3}}$ is:

Options :

1. ✔ 34

2. ✖ 17

3. ✖ 4.25

4. ✖ 8.50

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Question Number : 2 Question Id : 6789136302 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The value of $21 + \{36 \div (5 + 4)\} + 7(-4)$ is:

Options :

1. ✖ -3.4

2. ✖ -21.7

3. ✔ -3

4. ✖ -19

Question Number : 3 Question Id : 6789136303 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If 2.35 kg tomatoes cost ₹ 34.55, then what is the cost of 4.15 kg of tomatoes? (rounded off to two decimal places).

Options :

1. ✖ ₹ 141.84

2. ✔ ₹ 61.01

3. ✖ ₹ 19.15

4. ✖ ₹ 43.24

Question Number : 4 Question Id : 6789136304 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What is the square root of 41616?

Options :

1. ✔ 204

2. ✖ 214

3. ✖ 196

4. ✖ 194

Question Number : 5 Question Id : 6789136305 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The value of $7 + 3 \times \{15 \div (12 - 9) \times 5\}$ is:

Options :

1. ✖ 15

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2. ✖ 10

3. ✔ 82

4. ✖ 54

Question Number : 6 Question Id : 6789136306 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The lengths of one of the two sides containing the right angle in a right-angled triangle and its hypotenuse are 9 cm and 41 cm respectively. What is the length of the third side?

Options :

1. ✖ $\sqrt{369}$ cm

2. ✖ 35 cm

3. ✖ 32 cm

4. ✔ 40 cm

Question Number : 7 Question Id : 6789136307 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The value of $\sqrt{214+\sqrt{107+\sqrt{196}}}$ is:

Options :

1. ✖ 23

2. ✔ 15

3. ✖ 24

4. ✖ 18

Question Number : 8 Question Id : 6789136308 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

How many factors does the number 4000 have?

Options :

1. ✔ 24

2. ✖ 25

3. ✖ 26

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4. ✖ 27

Question Number : 9 Question Id : 6789136309 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If 375 marbles are shared between Vihan and Rihana in the ratio 7 : 8, Rihana will get _____ marbles.

Options :

1. ✖ 225

2. ✖ 125

3. ✖ 250

4. ✔ 200

Question Number : 10 Question Id : 6789136310 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

27% of 900 is:

Options :

1. ✖ 238

2. ✖ 275

3. ✔ 243

4. ✖ 252

Question Number : 11 Question Id : 6789136311 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

₹ 600 was given to two persons, at 5% annual interest rate to the first person and at 10% to the second person. After one year, the sum of the interest for both was ₹ 40. Find the amount given to the first person.

Options :

1. ✖ ₹ 420

2. ✔ ₹ 400

3. ✖ ₹ 200

4. ✖ ₹ 380

Question Number : 12 Question Id : 6789136312 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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A sum of money was divided between Ethane and Jane in the ratio 4 : 7. If Jane gave ₹ 1 to Ethane, the ratio would have changed to 7 : 12. What is the sum of money in question?

Options :

1. ✖ ₹ 190

2. ✔ ₹ 209

3. ✖ ₹ 198

4. ✖ ₹ 220

Question Number : 13 Question Id : 6789136313 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Two pipes, A and B, can fill a tank in 3 and 4 hours, respectively. Another pipe, C, can empty the filled tank in 6 hours. If A and B are opened at 8 AM and run for 1.5 hours and then C is opened as well, calculate the time when the tank will be fully filled:

Options :

1. ✖ 9:20 AM

2. ✖ 8:30 AM

3. ✖ 9:18 AM

4. ✔ 9:48 AM

Question Number : 14 Question Id : 6789136314 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If Manish alone takes 72 days to complete a piece of work, and Shivam alone takes 90 days to complete the same piece of work. If they work together for 20 days, what is the percentage of total work that is left?

Options :

1. ✖ 40 %

2. ✖ 55 %

3. ✖ 65 %

4. ✔ 50 %

Question Number : 15 Question Id : 6789136315 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A 350-m-long train is running at a speed of 54 km/h. How long will the train take to pass a jogger jogging at a speed of 9 km/h in a direction opposite to the running train?

Options :

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1. ✖ 6 seconds

2. ✖ 15.6 seconds

3. ✖ 12 seconds

4. ✔ 20 seconds

Question Number : 16 Question Id : 6789136316 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Two inlet pipes, one 4.5 times as efficient as the other, alongside an outlet pipe that can drain afilled cistern empty in 9 hours, can fill the empty cistern in 7.5 hours when working together. How many hours will the less efficient inlet pipe alone take to fill the empty cistern?

Options :

1. ✖ 13.5

2. ✖ 18

3. ✔ 22.5

4. ✖ 27

Question Number : 17 Question Id : 6789136317 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A rectangular lawn is 60 meters long and 40 meters wide. The time taken by a man to walk along its diagonal at the speed of 3km/hrs is approximately:

Options :

1. ✖ 92.5 sec

2. ✖ 84.5 sec

3. ✖ 81.5 sec

4. ✔ 86.5 sec

Question Number : 18 Question Id : 6789136318 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Three pumps can fill a water tank separately in 15, 20, and 30 hours, respectively. The three pumps are started together at 8 a.m. when the tank is already one-fifth full. The first pump is stopped after 4 hrs. The third pump is stopped after 2 more hours. At what time will the tank be full?

Options :

1. ✖ 2:30 p.m.

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2. ✖ 3:20 p.m.

3. ✔ 2:40 p.m.

4. ✖ 1:20 a.m.

Question Number : 19 Question Id : 6789136319 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

15^{th} of August 2019 will be a Thursday. In which of the years given below will 15^{th} of August also be a Thursday?

Options :

1. ✖ 2022

2. ✖ 2023

3. ✔ 2024

4. ✖ 2025

Question Number : 20 Question Id : 6789136320 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

22^{nd} of August 2019 will be a Thursday. In which of the years given below will 22^{nd} of August also be a Thursday?

Options :

1. ✖ 2022

2. ✖ 2023

3. ✔ 2024

4. ✖ 2025

Question Number : 21 Question Id : 6789136321 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If $\log\frac{a}{b} + \log\frac{b}{a} = \log(a+b)$, then which of the following will hold true?

Options :

1. ✔ $a + b = 1$

2. ✖ $a - b = 1$

3. ✖ $a = b$

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4. ✖ $a^2 - b^2 = 1$

Question Number : 22 Question Id : 6789136322 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Given that

$\tan(A + B) = \frac{\tan A + \tan B}{1 - \tan A \tan B}$, what is the value of tan75°?

Options :

1. ✔ $2 + \sqrt{3}$

2. ✖ $2 - \sqrt{3}$

3. ✖ $2 + 2\sqrt{3}$

4. ✖ $2 - 2\sqrt{3}$

Question Number : 23 Question Id : 6789136323 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A road 3.5 m wide surrounds a circular park whose circumference is 176 m. Find the cost of paving the road at the rate of ₹ 60 per square metre.

Options :

1. ✔ ₹ 39,270

2. ✖ ₹ 39,250

3. ✖ ₹ 39,370

4. ✖ ₹ 39,290

Question Number : 24 Question Id : 6789136324 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Divide 36 into two parts, such that 5 times of the first part is more than 8 times of the second part by 24?

Options :

1. ✖ 20,16

2. ✔ 24,12

3. ✖ 22,14

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4. ✖ 26,10

Question Number : 25 Question Id : 6789136325 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If $4sin^2\theta - 1 = 0$ and θ is an acute angle, then the value of $cos2\theta$ is:

Options :

1. ✖ 1

2. ✔ $\frac{1}{2}$

3. ✖ $\frac{1}{4}$

4. ✖ $\frac{3}{4}$

Question Number : 26 Question Id : 6789136326 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If INDIAN is coded as NADINI, in the same way as EXPERT can be coded as _____?

Options :

1. ✖ TREPXE

2. ✔ TRPEXE

3. ✖ TREPEX

4. ✖ RTPEXE

Question Number : 27 Question Id : 6789136327 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

New is related to Old in the same way as Day is related to:

Options :

1. ✔ Night

2. ✖ Bright

3. ✖ Sun

4. ✖ Time

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Question Number : 28 Question Id : 6789136328 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:

No tiger is a lion.

Some cats are lions.

All tigers are trees.

Conclusions:

I. Some trees are lions.

II. No lion is a tree.

III. Some cats are tigers.

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

Options :

1. Only I follows

2. Only II follow

3. Either I or III follows

4. Both I and II follow

Question Number : 29 Question Id : 6789136329 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Consider the following statements to be true even if they seem to be at variance from commonly known facts and decide which of the conclusions logically follows from the statements.

Statements:

- All vans are bats.
- All cows are bats.

Conclusions:

1. All vans are cows.
2. Some cows are vans.

Options :

1. ✖ Only conclusion 1 follows

2. ✖ Only conclusion 2 follows

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3. ✔ Neither conclusion 1 nor 2 follows

4. ✖ Both conclusions 1 and 2 follow

Question Number : 30 Question Id : 6789136330 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If in certain code, FORGET is written as DQPICV, then in the same code, SACHIN will be written as:

Options :

1. ✖ QAJCGP

2. ✖ QCJAGP

3. ✖ QACJGP

4. ✔ QCAJGP

Question Number : 31 Question Id : 6789136331 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In a code, SUNDAY is coded as HFMWZB, then how would FRIDAY be coded?

Options :

1. ✔ UIRWZB

2. ✖ UIZBRW

3. ✖ IRWBU

4. ✖ UBIZWU

Question Number : 32 Question Id : 6789136332 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: Ram, despite his busy schedule, attended his friend's wedding. Relationships are to be maintained.

Conclusions:

I. Ram maintains good relationships.

II. Ram engages himself all the time.

Options :

1. ✔ Only conclusion I follows

2. ✖ Only conclusion II follows

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3. ✖ Neither I nor II follows

4. ✖ Both I and II follow

Question Number : 33 Question Id : 6789136333 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 conclusions follow from the statement.

Statement:

Rinky says to Renu, "Your mobile has all the latest features."

Conclusions:

I. Rinky is tech savvy.

II. Rinky likes Renu's mobile.

Options :

1. ✔ Conclusion I alone follows

2. ✖ Conclusion II alone follows

3. ✖ Both the conclusions follow

4. ✖ Neither conclusion I nor II follows

Question Number : 34 Question Id : 6789136334 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:

For people with deep rooted ideologies, change is difficult to accept and adopt.

Arguments:

I. There cannot be any change in the current social structure.

II. As the society moves ahead in its overall beliefs, we are expected to change and adopt newer ways of lifestyle and social changes.

Options :

1. ✖ Only I is strong.

2. ✔ Only II is strong.

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3. ✖ Both I and II are strong.

4. ✖ Neither I nor II is strong.

Question Number : 35 Question Id : 6789136335 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 chief guest at a painting exhibition applauded the paintings of a very renowned artist for his marvelous work

Assumptions:

I. The painter is a very established famous artist
II. The chief guest was impressed by his art work

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 : 6789136336 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In the Arithmetic Progressive series 5, 11, 17, … what will be the 23 rd term?

Options :

1. ✔ 137

2. ✖ 139

3. ✖ 140

4. ✖ 135

Question Number : 37 Question Id : 6789136337 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Complete the series:

AZB, CYD, EXF, GWH, IVJ, _____?

Options :

1. ✖ KWL

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2. ✖ KUM

3. ✔ KUL

4. ✖ KTL

Question Number : 38 Question Id : 6789136338 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

2C3, 6G7, 10K11, _____?

Options :

1. ✔ 14O15

2. ✖ 13N14

3. ✖ 13N15

4. ✖ 13O14

Question Number : 39 Question Id : 6789136339 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Complete the series by choosing the correct term from options.

Z1, Y2, X3, ?, ?

Options :

1. ✖ V5, W6

2. ✖ V5,W4

3. ✔ W4, V5

4. ✖ W4,V6

Question Number : 40 Question Id : 6789136340 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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Read the given question and decide which of the following statements is/are sufficient to answer the question.

Question:

L, O, P and Q are standing in a circle. Who is standing to the right of P?

Statements:

1. P is the shortest of all.
2. L is standing to the left of Q and O is standing to the right of Q.

Options :

1. ✖ Statement 1 alone is sufficient.
2. ✔ Statement 2 alone is sufficient.
3. ✖ Statements 1 and 2 together are insufficient.
4. ✖ Statements 1 and 2 together are sufficient.

Question Number : 41 Question Id : 6789136341 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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

Question:

There are 3 ply boards of different sizes. Which ply has the maximum area?

Statements:

1. Ply1 is a square of width 15 cm.
2. 1 rectangular board with breadth 12 cm and length of 20 cm.

Options :

1. ✖ Statement 1 and 2 together are sufficient.
2. ✖ Statement 1 alone is sufficient.
3. ✖ Statement 2 alone is sufficient.
4. ✔ The statements are not sufficient.

Question Number : 42 Question Id : 6789136342 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The total income of a company increased from ₹ 30 lakhs to ₹ 50 lakhs from year 1 to year 2. At the end of the third year, the company earned ₹ 60 lakhs. What is the percentage increase in the income at the end of the third year from their initial year?

Options :

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1. ✔ 100

2. ✖ 30

3. ✖ 50

4. ✖ 200

Question Number : 43 Question Id : 6789136343 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the statements is sufficient to answer the question?

Question:

Find the value of q.

Statements:

1) $x^2 + qx + 1 = 0$

2) The equation has solution as 1, 1

Options :

1. ✖ Only statement 1 is sufficient

2. ✖ Only statement 2 is sufficient

3. ✖ Either statement 1 or 2 is sufficient

4. ✔ Both statements 1 and 2 together are sufficient

Question Number : 44 Question Id : 6789136344 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.

Chemistry: Atoms :: Biology: _____?

Options :

1. ✖ Biometrics

2. ✖ Molecules

3. ✖ Neurons

4. ✔ Cells

Question Number : 45 Question Id : 6789136345 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the odd figure among the given options.

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Options :

1. ✖ $\sin 90^\circ$

2. ✖ $\cos 0^\circ$

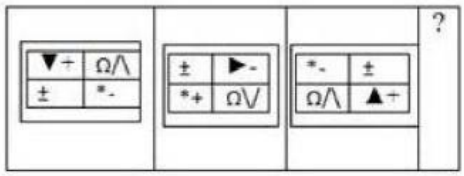
3. ✖ $\tan 45^\circ$

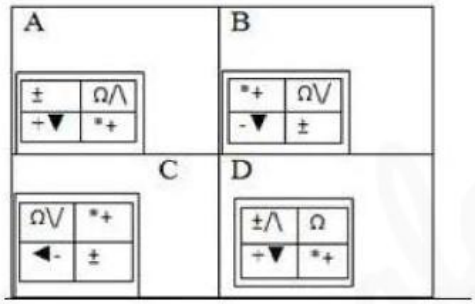
4. ✔ $\sec 30^\circ$

Question Number : 46 Question Id : 6789136346 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the option figure follows next in the series of Question figures?

Question figures:





Options :

1. ✔ C

2. ✖ A

3. ✖ B

4. ✖ D

Question Number : 47 Question Id : 6789136347 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 in the given series.

Problem figures:



Answer figures:



A B C D

Options :

1. ✖ A

2. ✔ B

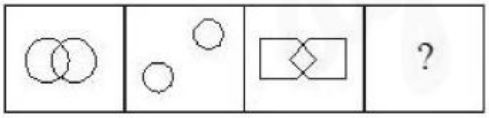
3. ✖ C

4. ✖ D

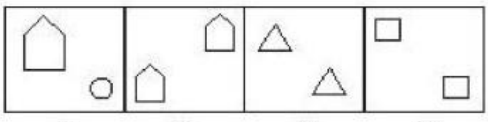
Question Number : 48 Question Id : 6789136348 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Identify the figure that should follow next in the given series.

Problem figures:



Answer figures:



A B C D

Options :

1. ✖ A

2. ✔ B

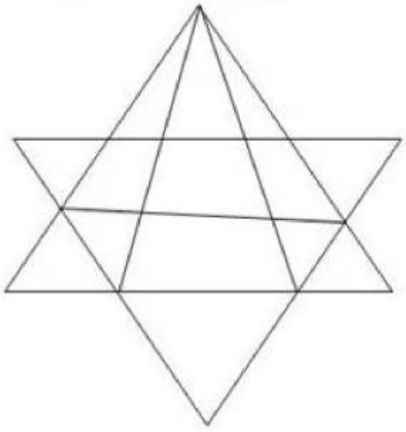
3. ✖ C

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4. ✖ D

Question Number : 49 Question Id : 6789136349 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the number of triangles in the given figure.



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

Options :

1. 18

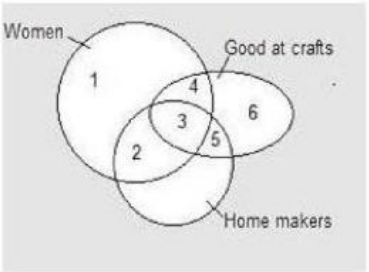
2. 23

3. 31

4. 35

Question Number : 50 Question Id : 6789136350 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The following Venn diagram shows women, home makers and those who are good at crafts. Find the total number of women who are good at crafts and who are not home makers.



Options :

1. ✖ 1

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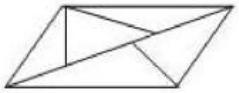
2. ✖ 2

3. ✖ 6

4. ✔ 4

Question Number : 51 Question Id : 6789136351 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. ✖ 8

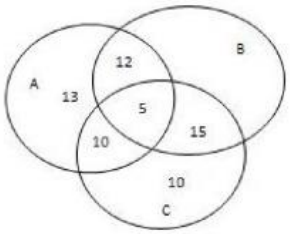
2. ✖ 7

3. ✔ 9

4. ✖ 6

Question Number : 52 Question Id : 6789136352 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The given Venn diagram represents the sports preferences of a group of 77 college students. There are three games: A - Badminton, B - Basketball and C - Tennis. How many students like to play Basketball but not Tennis?



Options :

1. ✖ 17

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2. ✖ 15

3. ✔ 24

4. ✖ 35

Question Number : 53 Question Id : 6789136353 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If southeast becomes north and northeast becomes west & so on then what does northwest become:

Options :

1. ✖ North

2. ✔ South

3. ✖ Northwest

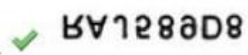
4. ✖ Southwest

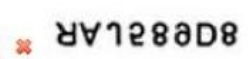
Question Number : 54 Question Id : 6789136354 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

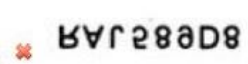
Choose the correct water image of the following figure.

RAJ589D8

Options :

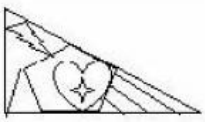
1. ✔ 

2. ✖ 

3. ✖ 

4. ✖

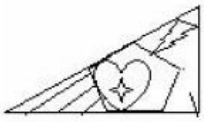
Question Number : 55 Question Id : 6789136355 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

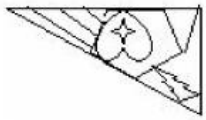


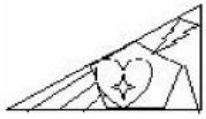
The mirror image of the above figure is:

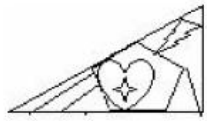
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Options :

1. ✖ 

2. ✖ 

3. ✔ 

4. ✖ 

Question Number : 56 Question Id : 6789136356 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What happens to the force between two objects if the masses of both the objects are tripled?

Options :

1. ✖ Force will get same time

2. ✖ Force will get two time

3. ✖ Force will get three time

4. ✔ Force will get nine times

Question Number : 57 Question Id : 6789136357 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A car is moving with a velocity of 72 km/h. It takes 4 s to stop it after the brakes are applied. If the mass of the car is 1000 kg, the magnitude of the force exerted by the brakes is:

Options :

1. ✖ 2.0×10^2 N

2. ✖ 3.0×10^2 N

3. ✖ 4.0×10^3 N

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4. ✔ 5.0×10^3 N

Question Number : 58 Question Id : 6789136358 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

All forces have:

Options :

1. ✖ Magnitude

2. ✖ Direction

3. ✔ Both Magnitude and Direction

4. ✖ Density

Question Number : 59 Question Id : 6789136359 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Magnitude of displacement from initial position to final position is the:

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

Options :

1. curved lines

2. circle

3. total distance

4. straight line

Question Number : 60 Question Id : 6789136360 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

An object of mass 3 m is raised to a height h above ground level. Find the potential energy of the object.

Options :

1. ✖ 1/3 mgh

2. ✔ 3 mgh

3. ✖ 6 mgh

4. ✖ 9 mgh

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Question Number : 61 Question Id : 6789136361 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following statements is true for the law of conservation of energy?

Options :

1. ✖ Energy can only be created.

2. ✖ Energy can only be destroyed.

3. ✔ Energy is neither created nor destroyed.

4. ✖ Energy is created as well as destroyed.

Question Number : 62 Question Id : 6789136362 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Work has _____.

Options :

1. ✖ only direction and no magnitude

2. ✔ no direction and only magnitude

3. ✖ both direction and magnitude

4. ✖ no direction and no magnitude

Question Number : 63 Question Id : 6789136363 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following is a use of ultrasonography?

Options :

1. ✔ It is used to monitor the growth of a foetus inside the mother's womb.

2. ✖ It is used to dissect organs.

3. ✖ It is used to observe the advantages of medicines.

4. ✖ It is used to read X-rays.

Question Number : 64 Question Id : 6789136364 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A spherical mirror, whose reflecting surface is curved outwards, is called a:

Options :

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1. ✖ Simple mirror

2. ✔ Convex mirror

3. ✖ Concave mirror

4. ✖ Plain mirror

Question Number : 65 Question Id : 6789136365 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Crude oil is:

Options :

1. ✖ colourless

2. ✖ odourless

3. ✔ Smelly, yellow to black liquid

4. ✖ Odourless, yellow to black liquid

Question Number : 66 Question Id : 6789136366 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In a _____ circuit, the electricity has only one path to flow through.

Options :

1. ✖ parallel

2. ✔ series

3. ✖ complete

4. ✖ incomplete

Question Number : 67 Question Id : 6789136367 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The postulate that all atoms of an element are exactly alike was proved wrong with the discovery of _____.

Options :

1. ✖ radioactivity

2. ✖ allotropy

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3. ✔ isotopes

4. ✖ isobars

Question Number : 68 Question Id : 6789136368 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What is the counting unit for a chemist?

Options :

1. ✖ Molecule

2. ✖ Anode

3. ✖ Anion

4. ✔ Mole

Question Number : 69 Question Id : 6789136369 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of these is not homoatomic molecules?

Options :

1. ✖ N_2

2. ✖ H_2

3. ✖ P_4

4. ✔ CO_2

Question Number : 70 Question Id : 6789136370 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

When crystals are heated, water of crystallisation is lost and the substance turns into a/an _____ form.

Options :

1. ✔ anhydrous

2. ✖ crystalline

3. ✖ vapour

4. ✖ gaseous

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Question Number : 71 Question Id : 6789136371 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What happens to an acid or a base in a water solution?

Options :

1. ✖ Bases give H_3O^+ in water.

2. ✖ Acids give OH^- in water.

3. ✖ Bases give H^+ in water.

4. ✔ Bases give OH^- in water.

Question Number : 72 Question Id : 6789136372 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following non-metals catches fire if it is exposed to air?

Options :

1. ✖ Nitrogen

2. ✔ Phosphorus

3. ✖ Sulphur

4. ✖ Uranium

Question Number : 73 Question Id : 6789136373 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Chose the INCORRECT one for Aldehydes.

Options :

1. ✔ $CHCOH \rightarrow$ methanal $\rightarrow$ formaldehyde

2. ✖ $CH_3COH \rightarrow$ ethanal $\rightarrow$ acetaldehyde

3. ✖ $C_2H_5COH \rightarrow$ propanal $\rightarrow$ propaldehyde

4. ✖ $C_3H_7COH \rightarrow$ butanal $\rightarrow$ butyraldehyde

Question Number : 74 Question Id : 6789136374 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which one of the following is NOT a noble gas?

Options :

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1. ✖ Helium

2. ✖ Krypton

3. ✔ Chlorine

4. ✖ Radon

Question Number : 75 Question Id : 6789136375 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Oxidation state of an atom represents:

Options :

1. ✔ apparent charge in compound

2. ✖ number of electrons lost

3. ✖ number of electrons gained

4. ✖ its vacancies

Question Number : 76 Question Id : 6789136376 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A group of cells similar in origin and structure and specialized to perform a particular function (eg, muscle cells in our body forms the muscles that brings about body movements) is called:

Options :

1. ✔ Tissue

2. ✖ Muscle

3. ✖ Phloem

4. ✖ Fibres(bast)

Question Number : 77 Question Id : 6789136377 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

_____ is present in the lining of kidney tubules.

Options :

1. ✖ Squamous Epithelium

2. ✔ Cuboidal Epithelium

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3. ✖ Columnar Epithelium

4. ✖ Parenchyma

Question Number : 78 Question Id : 6789136378 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

_____ is not essential for photosynthesis.

Options :

1. ✖ CO_2

2. ✔ O_2

3. ✖ Sunlight

4. ✖ Chlorophyll

Question Number : 79 Question Id : 6789136379 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

_____ carries sperms out of the testes.

Options :

1. ✖ Ureters

2. ✖ Urethra

3. ✔ Vas deferens

4. ✖ Oviduct

Question Number : 80 Question Id : 6789136380 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The cavity of graafian follicle is called:

Options :

1. ✖ amniotic cavity

2. ✔ antrum

3. ✖ liquor folliculi

4. ✖ discus proligerous

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Question Number : 81 Question Id : 6789136381 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

India celebrates 29th August as the National Sports Day in honour of _____.

Options :

1. ✔ Major Dhyan Chand

2. ✖ J. Srinath

3. ✖ P.T. Usha

4. ✖ Milkha Singh

Question Number : 82 Question Id : 6789136382 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

With which sport Kidambi Srikanth a well-known personality is associated?

Options :

1. ✖ Tennis

2. ✔ Badminton

3. ✖ Shooting

4. ✖ Golf

Question Number : 83 Question Id : 6789136383 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What is the total number of players in a football team?

Options :

1. ✖ 14

2. ✖ 12

3. ✔ 11

4. ✖ 10

Question Number : 84 Question Id : 6789136384 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who won the 60th Grammy Award (2017) in the category of Best New Artist?

Options :

1. ✔ Alessia Cara

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2. ✖ Meghan Trainor

3. ✖ Julia Michaels

4. ✖ James Corden

Question Number : 85 Question Id : 6789136385 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who among the following was the recipient of the Tata Literature Live! 'Lifetime Achievement' Award for 2017?

Options :

1. ✖ Anil Dharker

2. ✖ Amitav Ghosh

3. ✔ Girish Karnad

4. ✖ Kiran Nagarkar

Question Number : 86 Question Id : 6789136386 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who is the author of the book 'Recasting India: How Entrepreneurship is Changing the World's Largest Democracy'?

Options :

1. ✖ Durjoy Dutta

2. ✔ Hindol Sengupta

3. ✖ Sashi Taroor

4. ✖ Anita Desai

Question Number : 87 Question Id : 6789136387 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Where was the 105th National Science Congress held in March 2018?

Options :

1. ✖ Goa

2. ✔ Manipur

3. ✖ Delhi

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4. ✖ Assam

Question Number : 88 Question Id : 6789136388 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which is the highest decoration of valour award for the most conspicuous act of bravery or self-sacrifice in the presence of the enemy, whether on land, at sea or in the air?

Options :

1. ✖ Dhyanchand Award

2. ✖ Padma Shri

3. ✔ Param Vir Chakra

4. ✖ Bharat Ratna

Question Number : 89 Question Id : 6789136389 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who built India's cheapest passenger car amongst other achievements?

Options :

1. ✖ Dorabji Tata

2. ✖ Jamsetji Tata

3. ✔ Ratan Tata

4. ✖ Naval Tata

Question Number : 90 Question Id : 6789136390 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The headquarters of NITI Aayog is located in which city?

Options :

1. ✖ Chennai

2. ✔ New Delhi

3. ✖ Bengaluru

4. ✖ Jaipur

Question Number : 91 Question Id : 6789136391 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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Name the Indian state that is pioneering in driving a state-led business incubator for women entrepreneurs.

Options :

1. ✖ Maharashtra

2. ✔ Telangana

3. ✖ Rajasthan

4. ✖ Odisha

Question Number : 92 Question Id : 6789136392 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The _____commission was appointed to examine the centre-state relations in India in 1983.

Options :

1. ✖ Punchhi

2. ✖ Dhar

3. ✖ Shri Krishna

4. ✔ Sarkaria

Question Number : 93 Question Id : 6789136393 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Chabahar port which is being constructed by India, is located in which country?

Options :

1. ✖ Bangladesh

2. ✔ Iran

3. ✖ Iraq

4. ✖ Thailand

Question Number : 94 Question Id : 6789136394 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Ellora temples were built by the _____.

Options :

1. ✖ Pandyas

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2. ✖ Cholas

3. ✔ Rashtrakutas

4. ✖ Cheras

Question Number : 95 Question Id : 6789136395 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The Marathas lost power to Ahmad Shah Abdali in _____.

Options :

1. ✖ 1763

2. ✖ 1764

3. ✔ 1761

4. ✖ 1762

Question Number : 96 Question Id : 6789136396 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Saffron is a product of _____.

Options :

1. ✔ Jammu and Kashmir

2. ✖ Arunachal Pradesh

3. ✖ West Bengal

4. ✖ Goa

Question Number : 97 Question Id : 6789136397 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The Basilica of Bom Jesus is situated in _____.

Options :

1. ✖ Mumbai

2. ✔ Goa

3. ✖ Fort Kochi

4. ✖ Bangalore

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Question Number : 98 Question Id : 6789136398 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following is a direct tax?

Options :

1. ✖ Sales tax

2. ✔ Income tax

3. ✖ Customs duty

4. ✖ Excise duty

Question Number : 99 Question Id : 6789136399 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which railway became the 1st Rail Zone with 100% LED Lighting at Stations?

Options :

1. ✖ South Eastern Railway

2. ✖ Central Railway

3. ✔ South Central Railway

4. ✖ Western Railway

Question Number : 100 Question Id : 6789136400 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which Indian bank has tied up with Bajaj Electricals for vendor financing using blockchain solutions?

Options :

1. ✖ Dena Bank

2. ✔ Yes Bank

3. ✖ HDFC Bank

4. ✖ ICICI Bank