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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 07th Dec Shift2
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 : 3026163701 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The LCM of 21 and 560 is:

Options :

1. ✔ 1680

2. ✖ 1120

3. ✖ 840

4. ✖ 560

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Question Number : 2 Question Id : 3026163702 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

$76 \div 19 \times 2 - 6 =$ _____?

Options :

1. ✖ -1

2. ✖ -4

3. ✔ 2

4. ✖ 2.375

Question Number : 3 Question Id : 3026163703 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If $8219x$ is divisible by 11, then what is the value of x?

Options :

1. ✖ 5

2. ✖ 4

3. ✖ 3

4. ✔ 2

Question Number : 4 Question Id : 3026163704 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The square root of 12996 is:

Options :

1. ✖ 126

2. ✖ 124

3. ✖ 106

4. ✔ 114

Question Number : 5 Question Id : 3026163705 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

$(3.7 - 2.931 + 0.12) \times 0.37 =$ _____?

Options :

1. ✔ 0.32893

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2. ✖ 0.35893

3. ✖ 0.33893

4. ✖ 0.37893

Question Number : 6 Question Id : 3026163706 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

1234x will be divisible by 11 if the value of x is:

Options :

1. ✖ 1

2. ✔ 2

3. ✖ 3

4. ✖ 4

Question Number : 7 Question Id : 3026163707 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The LCM and the HCF of two numbers are 120 and 3 respectively. One of those numbers is 24. The other number is:

Options :

1. ✖ 20

2. ✖ 30

3. ✔ 15

4. ✖ 60

Question Number : 8 Question Id : 3026163708 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

How many factors does the number 4840 have?

Options :

1. ✔ 24

2. ✖ 25

3. ✖ 26

4. ✖ 27

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Question Number : 9 Question Id : 3026163709 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

36 kg of gunpowder contains 27 kg nitrate, 5.4 kg of charcoal and some amount of sulphur. Find the percentage content of sulphur.

Options :

1. ✖ 100%

2. ✖ 8%

3. ✔ 10.0%

4. ✖ 15%

Question Number : 10 Question Id : 3026163710 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If a:b=4:5 and a:c=3:4, find b:c

Options :

1. ✖ 5:4

2. ✖ 3:5

3. ✔ 15:16

4. ✖ 13:14

Question Number : 11 Question Id : 3026163711 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A sum of money, when invested for 3.5 years, @ 12% simple interest p.a, becomes ₹ 994 on maturity. The original sum invested was:

Options :

1. ✔ ₹ 700

2. ✖ ₹ 725

3. ✖ ₹ 720

4. ✖ ₹ 750

Question Number : 12 Question Id : 3026163712 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A sum of money, invested at 7.5% simple interest per annum became ₹ 819 on maturity after 4 years. What was the original sum invested?

Options :

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1. ✔ ₹ 630

2. ✖ ₹ 640

3. ✖ ₹ 620

4. ✖ ₹ 660

Question Number : 13 Question Id : 3026163713 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

60 people could do a piece of work in 17 days. After 6 days 5 of the workers left. How many days from then will it take to complete the work?

Options :

1. ✖ 13

2. ✔ 12

3. ✖ 15

4. ✖ 16

Question Number : 14 Question Id : 3026163714 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In a computer game there are builders and destroyers. Together there are 32 of them. Some of them try to build a wall around a castle while the rest try to demolish it. Each of the builders can build the wall alone in 36 hours while any of the destroyers can demolish it in 30 hours. If all the 32 are made active when there is no wall and the wall gets built in 2.5 hours, how many of them are destroyers?

Options :

1. ✖ 12

2. ✖ 10

3. ✔ 8

4. ✖ 6

Question Number : 15 Question Id : 3026163715 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A 158.5 m long train crosses a 761.5 m long bridge in 46 seconds. What is the speed of the train?

Options :

1. ✖ 75 km/h

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2. ✖ 80 km/h

3. ✖ 78 km/h

4. ✔ 72 km/h

Question Number : 16 Question Id : 3026163716 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A and B are friends and A is older than B by 2 years. A's father D is twice as old as A and B is twice as old as his sister C. The ages of D and C differ by 40 years. Find A's age.

Options :

1. ✖ 25 years

2. ✖ 40 years

3. ✔ 26 years

4. ✖ 15 years

Question Number : 17 Question Id : 3026163717 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 2 hours and tap B in 5 hours. Tap C can empty the filled tank in 8 hours. If all the three taps are opened simultaneously, how much time will be taken to fill the tank completely?

Options :

1. ✖ 8 hours

2. ✔ $\frac{40}{23}$ hours

3. ✖ $\frac{10}{3}$ hours

4. ✖ 12 hours

Question Number : 18 Question Id : 3026163718 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Pipes A and B can fill a tank in 15 and 12 minutes, respectively. Pipe C can empty the same tank, when full, at a rate of 2 litres per minute. If all three pipes are turned on at the same time, it takes $8\frac{4}{7}$ minutes to fill the tank. The capacity of the tank is:

Options :

1. ✔ 60 litres

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2. ✖ 75 litres

3. ✖ 80 litres

4. ✖ 90 litres

Question Number : 19 Question Id : 3026163719 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

y years ago June was $\frac{2}{7}$ th as old as Jonaki. y years from now June will be $\frac{2}{3}$ rd as old as Jonaki. What is the ratio of the current ages of June and Jonaki?

Options :

1. ✖ 3 : 4

2. ✖ 9 : 16

3. ✔ 6 : 11

4. ✖ 2 : 7

Question Number : 20 Question Id : 3026163720 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The length and breadth of a rectangular piece of land are 80 m and 36 m, respectively. A pit 40 m long, 18 m wide and 12 m deep is dug in one corner of the piece of land. The earth removed has been evenly spread over the remaining part of this land. What will be the rise in the height of that part of the land as a result of this operation?

Options :

1. ✖ 2 m

2. ✖ 3 m

3. ✔ 4 m

4. ✖ 5 m

Question Number : 21 Question Id : 3026163721 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The number of times a particular observation occurs in a given data is called its:

Options :

1. ✔ frequency

2. ✖ mean

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3. ✖ median

4. ✖ range

Question Number : 22 Question Id : 3026163722 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The mean of three numbers is 38, while the range of the data is 31. The number in the middle is 20 less than the sum of the other two numbers. What is the largest of the three numbers?

Options :

1. ✖ 45

2. ✖ 47

3. ✔ 49

4. ✖ 51

Question Number : 23 Question Id : 3026163723 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A, B, C and D are points on a circle with centre O. The chords AC and BD intersect inside the circle at E. AB and CD are drawn. $\angle BAE = 37°$ and $\angle ACD = 83°$. What is the measure of $\angle BEC$?

Options :

1. ✖ $110°$

2. ✔ $120°$

3. ✖ $130°$

4. ✖ $140°$

Question Number : 24 Question Id : 3026163724 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If $a - \frac{1}{a} = 7$, then $a^3 - \frac{1}{a^3} = ?$

Options :

1. ✖ 357

2. ✖ 343

3. ✖ 322

4. ✔ 364

Question Number : 25 Question Id : 3026163725 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Four numbers, when arranged in ascending order, are w, x, y and z. The average of the smallest three numbers is 23, while the average of the largest three was 29. What is the range of the data?

Options :

1. ✖ 15

2. ✔ 18

3. ✖ 21

4. ✖ 24

Question Number : 26 Question Id : 3026163726 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

True is related to False in the same way as Straight is related to:

Options :

1. ✖ Lend

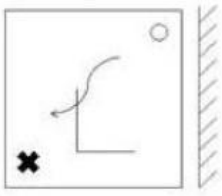
2. ✖ Tend

3. ✖ Mend

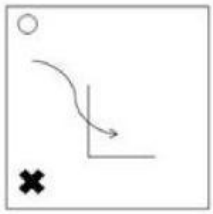
4. ✔ Curve

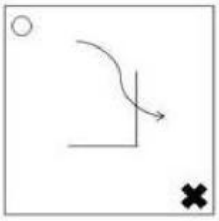
Question Number : 27 Question Id : 3026163727 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

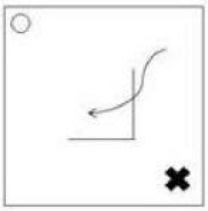
Find the correct mirror image of the given figure if the mirror is placed to the right of the figure.

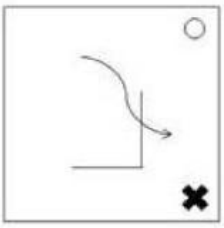


Options :

1. ✖ 

2. ✔ 

3. ✖ 

4. ✖ 

Question Number : 28 Question Id : 3026163728 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If X is the husband of the sister of Amir's mother, how is X related to the Amir?

Options :

1. ✖ Brother

2. ✖ Nephew

3. ✔ Uncle

4. ✖ Father

Question Number : 29 Question Id : 3026163729 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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Read the following information carefully and then answer the question given below it.

Sudeep is applying for residential accommodation in IOCL Panipat Company. For getting a residential accommodation by IOCL Company, the employee must fulfil the following criteria:

(i) S/he should have worked with the company for at least 10 years, with at least 4 years in ABC department.

(ii) S/he should have at most five members in the family.

(iii) S/he should have at least 5 years of service remaining, with retirement age being 58 years.

(iv) S/he should not be an owner or a co-owner (if spouse is an owner) of a house.

In the case of an employee who:

- satisfies all except (i) above and has joined the company as a manager, s/he should be referred to the Director
- satisfies all except (iii) above and is working as a senior manager in company, s/he is to be referred to the Managing Director
- has been transferred from another city, condition (i) can be waived.

Based on the above conditions, decide whether or not the accommodation will be provided to Sudeep or the case to be referred to higher authority. All cases are presented on 31st July 2016.

Sudeep has been transferred from another office and was 53 years old on 6th February 2016. He has been working with the company for the last 20 years, out of which he spent 6 years in ABC department. There are 4 members in his family and neither he nor his wife own any house.

Options :

1. ✖ Sudeep will be provided with company accommodation

2. ✔ Sudeep will not be provided with company accommodation

3. ✖ The case will be referred to the Director

4. ✖ The case will be referred to the Managing Director

Question Number : 30 Question Id : 3026163730 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the given statements is sufficient/necessary to answer the question?

Is this a box?

Statements:

1. It opens and closes with flaps.

2. It can be used to store various objects.

Options :

1. ✖ Statement 1 alone is sufficient while 2 alone is not sufficient

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2. ✖ Statement 2 alone is sufficient while 1 alone is not sufficient

3. ✖ Either statement 1 or 2 alone is sufficient

4. ✔ Both statements 1 and 2 are necessary

Question Number : 31 Question Id : 3026163731 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:

- Some jaguars are cheetahs.
- Some cheetahs are leopards.
- All leopards are panthers.
- All panthers are cats.

Conclusions:

1. Some cats are cheetahs.
2. Some panthers are cheetahs.

Options :

1. ✖ Only conclusion 1 follows

2. ✖ Only conclusion 2 follows

3. ✖ Either conclusion 1 or 2 follows

4. ✔ Both conclusions 1 and 2 follow

Question Number : 32 Question Id : 3026163732 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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

Statement:

Should TV serials be banned?

Arguments :

I. Yes, they showcase lot of negative approach in life situations that is influencing certain sect of society to imitate the same behaviour.

II. No, that is the one of the good engaging entertainment for aged people.

Options :

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1. ✖ Only argument I is strong

2. ✔ Only argument II is strong

3. ✖ Neither I nor II is strong

4. ✖ Both I and II are strong.

Question Number : 33 Question Id : 3026163733 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Consider the given statement(s) and decide which of the given assumptions is/are implicit in the statement.

Statement :

Read the instructions before you start to play the game.

Assumptions:

(I) The game is going to be conducted

(II) No blind person is playing the game

(III) The players are literate

Options :

1. ✖ Only I is implicit

2. ✖ Only I and III are implicit

3. ✔ All are implicit

4. ✖ None of the statements is implicit

Question Number : 34 Question Id : 3026163734 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Read the statements and decide which of the conclusions logically follows from the statements.

Statement:

Commodity prices are increasing nowadays.

Conclusions:

I. All the commodities are becoming rare.

II. People cannot eat commodities.

Options :

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1. ✖ Only conclusion I follows

2. ✖ Only conclusion II follows

3. ✔ Neither conclusion I nor II follows

4. ✖ Both conclusions I and II follow

Question Number : 35 Question Id : 3026163735 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:

Home grown fruits and vegetables are good for health than consuming the imported fruits and vegetables that are maintained to appear fresh using artificial conditions.

Conclusions:

I. The imported vegetables are maintained under artificial conditions.

II. Home grown fruits and vegetables are usually fresh.

Options :

1. ✖ Only conclusion I follows.

2. ✖ Only conclusion II follows.

3. ✖ Neither conclusion follows

4. ✔ Both the conclusions follow.

Question Number : 36 Question Id : 3026163736 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If the letters in the word "ASTEROID" is arranged in alphabetic order and each letter in the alphabetic order is assigned a numerical value 1, 2, 3.. so on from the left then sum of total value of the position of consonants is:

Options :

1. ✖ 22

2. ✔ 23

3. ✖ 24

4. ✖ 25

Question Number : 37 Question Id : 3026163737 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.

4D3C, 7G6F, 10J9I, _____?

Options :

1. ✔ 13M12L

2. ✖ 13K12L

3. ✖ 12L13N

4. ✖ 13L12M

Question Number : 38 Question Id : 3026163738 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If '×' is treated as '−' and '÷' is treated as '+', then find the value of $((55 \times 50) \div 25) \div 125$.

Options :

1. ✖ 150

2. ✔ 155

3. ✖ 145

4. ✖ 125

Question Number : 39 Question Id : 3026163739 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What is the next three terms in this series?

61, 61, 37, 67, 67, 52, 71, 71, _____, _____, _____

Options :

1. ✖ 67, 75, 75

2. ✔ 67, 73, 73

3. ✖ 65, 73, 73

4. ✖ 65, 75, 75

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Question Number : 40 Question Id : 3026163740 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Read the following information carefully and answer the question given below:

Veena and Bindhu play carom and throwball.

Kavya and Pavithra play tennis and chess.

Bindhu and Kavya play chess and throwball.

Veena and Pavithra play carom and tennis.

Which one plays chess, throwball and tennis?

Options :

1. ✖ Bindhu

2. ✖ Pavithra

3. ✖ Veena

4. ✔ Kavya

Question Number : 41 Question Id : 3026163741 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 code word for SUN from the given statements.

Statements:

I: GUN is written as HUN and TUN is written as UUN.

II: SUN rises in the east.

Options :

1. ✔ Only statement I is sufficient

2. ✖ Only statement II is sufficient

3. ✖ Neither statement I nor II is sufficient

4. ✖ Both statements I and II are sufficient

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Question Number : 42 Question Id : 3026163742 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.

What is the total sales made by the company X in the financial year 2017?

Statements:

1. Company sold 2000 products of Y each costing ₹.1000 in the year 2017.
2. Company does not manufacture any other product other than Y in the year 2017.

Options :

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

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

3. ✔ Both 1 and 2 together are sufficient

4. ✖ Each statement alone is sufficient

Question Number : 43 Question Id : 3026163743 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.

Find the value of $p^2 - q^2$

Statements:

1) If $p + q = 12$

2) If $pq = 4$

Options :

1. ✖ Only 1 is sufficient

2. ✖ Only 2 is sufficient

3. ✔ Both 1 & 2 are sufficient

4. ✖ Neither 1 nor 2 is sufficient

Question Number : 44 Question Id : 3026163744 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Two friends were parking their vehicle outside a garden entrance. The parking lot is 500 m away from the garden entrance and located to the left at 90° from the garden's entrance. If the garden's entrance gate faces East, which direction is the parking lot?

Options :

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1. ✖ South

2. ✔ North

3. ✖ West

4. ✖ East

Question Number : 45 Question Id : 3026163745 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.

Error : Blunder :: Refuse : ?

Options :

1. ✖ Dark

2. ✖ Den

3. ✔ Deny

4. ✖ Dig

Question Number : 46 Question Id : 3026163746 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. ✖ Cow

2. ✖ King

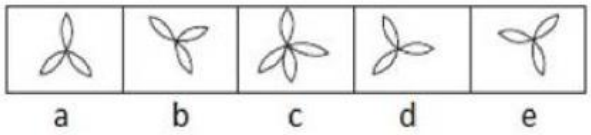
3. ✖ Spider

4. ✔ Web

Question Number : 47 Question Id : 3026163747 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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Iliana is smart enough to pick the odd man out, which one did she pick from the below?



Options :

1. ✖ e

2. ✖ d

3. ✔ c

4. ✖ a

Question Number : 48 Question Id : 3026163748 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Four friends, Bipin, Anwar, John and Dhoni, are playing cards. Anwar and Bipin are partners. Dhoni faces towards North. If Anwar faces towards West, then who faces towards South?

Options :

1. ✖ Anwar

2. ✖ Bipin

3. ✔ John

4. ✖ Dhoni

Question Number : 49 Question Id : 3026163749 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The given question is followed by two statements labelled as 1 and 2. You have to decide if these statements are sufficient to conclusively answer the question. Choose the appropriate answer from options given below:

Question:

Determine if the product ab is positive.

Statements:

1. $(a + b)^2 > (a - b)^2$
2. $a = b$

Options :

1. ✔ Statement 1 alone is sufficient but statement 2 alone is not sufficient.

2. ✖ Statement 2 alone is sufficient but statement 1 alone is not sufficient.

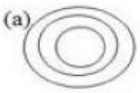
3. ✖ Both statements together are sufficient.

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4. ✖ Both statements together are not sufficient.

Question Number : 50 Question Id : 3026163750 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Choose the Venn diagram which best illustrates the three given classes in the question that is given below:

(a) 

(b) 

(c) 

(d) 

State, District, City

Options :

1. ✔ a

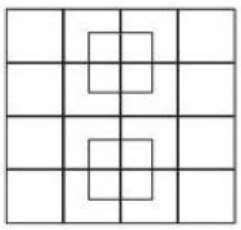
2. ✖ b

3. ✖ c

4. ✖ d

Question Number : 51 Question Id : 3026163751 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. ✔ 40

2. ✖ 42

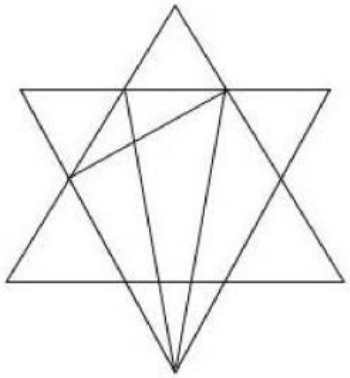
3. ✖ 44

4. ✖ 46

Question Number : 52 Question Id : 3026163752 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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How many triangles are present in the below figure?



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

Options :

1. 21

2. 23

3. 17

4. 19

Question Number : 53 Question Id : 3026163753 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Pradeep and Ashok were running in opposite direction exactly. If Pradeep was running towards North-West then in which direction Ashok was running?

Options :

1. ✖ South-West

2. ✔ South-East

3. ✖ North-East

4. ✖ North-West

Question Number : 54 Question Id : 3026163754 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Manika takes a stroll around her rectangular farm. She starts walking facing West, turns $45°$ to her right and then walks 500 m. Which direction is she facing now?

Options :

1. ✖ South-East

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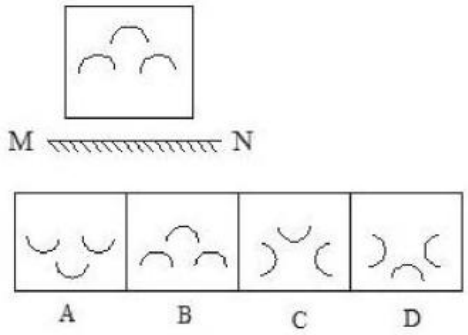
2. ✔ North-West

3. ✖ North-East

4. ✖ South-West

Question Number : 55 Question Id : 3026163755 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Choose the mirror image for the following figure:



Options :

1. ✔ A

2. ✖ B

3. ✖ C

4. ✖ D

Question Number : 56 Question Id : 3026163756 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The SI unit of momentum is ____.

Options :

1. ✖ $kg\ ms^{2}$

2. ✖ $kg\ ms^{-2}$

3. ✖ $kg\ ms^{1}$

4. ✔ $kg\ ms^{-1}$

Question Number : 57 Question Id : 3026163757 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A man of mass 80 kg runs with a force of 240 N. His acceleration would be _____. Career Railways

Options :

1. ✖ $24\ ms^{-2}$

2. ✖ $8\ ms^{-2}$

3. ✖ $4\ ms^{-2}$

4. ✔ $3\ ms^{-2}$

Question Number : 58 Question Id : 3026163758 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the odd one out.

Options :

1. ✖ Pa

2. ✖ $N\ m^{-2}$

3. ✖ $dyne\ cm^{-2}$

4. ✔ N

Question Number : 59 Question Id : 3026163759 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Wooden sleepers are used below rails. This produces:

Options :

1. ✖ small area, so the pressure increases

2. ✔ large area, so the pressure reduces

3. ✖ large area, so the pressure increases

4. ✖ wooden sleepers are easily available

Question Number : 60 Question Id : 3026163760 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A bullet of mass 10gram leaves a rifle at an initial velocity of 1000m/s and strikes the earth at the same level with a velocity of 500 m/s. the work done in joules overcoming the resistance of air will be:

Options :

1. ✖ 500

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2. ✖ 375

3. ✖ 5000

4. ✔ 3750

Question Number : 61 Question Id : 3026163761 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

How much water can a pump of 1kW raise in one minute to a height of 10 m?

($g=10\ m/s^2$)

Options :

1. ✖ 1,000 kg

2. ✔ 600 kg

3. ✖ 500 kg

4. ✖ 100 kg

Question Number : 62 Question Id : 3026163762 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A particle is acted upon by a force of constant magnitude which is always perpendicular to the velocity of the particle, the motion of the particle take place in a plane. It follows that _____.

Options :

1. ✖ its acceleration is constant

2. ✖ its velocity is constant

3. ✔ its kinetic energy is constant

4. ✖ its distance is constant

Question Number : 63 Question Id : 3026163763 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The focal length of a convex mirror is _____.

Options :

1. ✖ Zero

2. ✔ Positive

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3. ✖ Negative

4. ✖ Infinity

Question Number : 64 Question Id : 3026163764 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Bats detect the obstacles in their path by receiving the reflected _____.

Options :

1. ✖ radio waves

2. ✖ infrasonic waves

3. ✔ ultrasonic waves

4. ✖ electro-magnetic waves

Question Number : 65 Question Id : 3026163765 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What is the SI unit of resistance?

Options :

1. ✖ Coloumb

2. ✖ Ampere

3. ✔ Ohm

4. ✖ Ohm.m

Question Number : 66 Question Id : 3026163766 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What is drift velocity?

Options :

1. ✖ Movement of objects with high speed

2. ✔ Electrons in the conductor move with a constant average speed.

3. ✖ A very definite uniform velocity

4. ✖ Non-uniform velocity of electrons

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Question Number : 67 Question Id : 3026163767 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If the Molecular formulae of Ethane, Hydrogen Chloride and Glucose are C_2H_6, HCl and $C_6H_{12}O_6$, respectively, what will be their respective Empirical formulae?

Options :

1. ✖ C_2H_6, HCl and $C_6H_{12}O_6$

2. ✔ CH_3, HCl and CH_2O

3. ✖ $2CH_3$, HCl and $6\ CH_2O$

4. ✖ CH, HCl and CHO

Question Number : 68 Question Id : 3026163768 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The number of atoms present in 71 g of Cl_2 is:

Options :

1. ✖ 1.205×10^{23}

2. ✖ 1.205×10^{22}

3. ✖ 1.205×10^{21}

4. ✔ 1.205×10^{24}

Question Number : 69 Question Id : 3026163769 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The value of Avogadro constant is _____ .

Options :

1. ✖ $6.022x10^{21}$

2. ✖ $6.022x10^{22}$

3. ✔ $6.022x10^{23}$

4. ✖ $6.022x10^{24}$

Question Number : 70 Question Id : 3026163770 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following metals is used in electroplating Iron articles?

Options :

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1. ✖ Aluminum

2. ✖ Calcium

3. ✖ Silver

4. ✔ Zinc

Question Number : 71 Question Id : 3026163771 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Select the correct option that represents the answers of statements A and B respectively:

A. What is the fixed number of water molecules present in one formula unit of a salt?

B. What is the number of water molecules in $CuSO_4 .5 H_2O$?

Options :

1. ✖ Water of neutralization, five

2. ✔ Water of crystallization, Five

3. ✖ Water of crystallization, two

4. ✖ Water of neutralization, Four

Question Number : 72 Question Id : 3026163772 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following metals is present in its native state?

Options :

1. ✖ Potassium

2. ✔ Platinum

3. ✖ Iron

4. ✖ Copper

Question Number : 73 Question Id : 3026163773 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of these is not a homologous series?

Options :

1. ✖ CH_4

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2. ✖ C_2H_6

3. ✔ C_4H_9

4. ✖ C_3H_8

Question Number : 74 Question Id : 3026163774 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The element that has two electrons in its outermost shell is:

Options :

1. ✖ Carbon

2. ✖ Chlorine

3. ✔ Magnesium

4. ✖ Boron

Question Number : 75 Question Id : 3026163775 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What is the unit of Ionization energy?

Options :

1. ✔ $KJ\ mol^{-1}$

2. ✖ Joule

3. ✖ N/m^2

4. ✖ $KJ\ m^{-1}$

Question Number : 76 Question Id : 3026163776 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Unstriated muscles are _____.

Options :

1. ✖ multi-nucleate

2. ✖ binucleate

3. ✔ uninucleate

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4. ✖ anucleate

Question Number : 77 Question Id : 3026163777 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

_____tissue transports food in plants.

Options :

1. ✖ Parenchyma

2. ✖ Xylem

3. ✔ Phloem

4. ✖ Collenchyma

Question Number : 78 Question Id : 3026163778 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The tissue that makes the plant hard and stiff is called:

Options :

1. ✖ Collenchyma

2. ✖ Parenchyma

3. ✔ Sclerenchyma

4. ✖ Aerenchyma

Question Number : 79 Question Id : 3026163779 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Phylum _____ contains exclusively marine animals.

Options :

1. ✖ Coelenterate

2. ✖ Platyhelminthes

3. ✔ Echinodermata

4. ✖ Nematode

Question Number : 80 Question Id : 3026163780 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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What type of vegetative propagation is seen in chrysanthemum?

Options :

1. ✖ runner

2. ✔ sucker

3. ✖ stolon

4. ✖ offset

Question Number : 81 Question Id : 3026163781 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which city has been chosen to host the 2022 Commonwealth Games?

Options :

1. ✖ Leeds

2. ✖ Liverpool

3. ✔ Birmingham

4. ✖ Portsmouth

Question Number : 82 Question Id : 3026163782 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following term is associated with football?

Options :

1. ✖ Googly

2. ✖ Night watchman

3. ✖ Doosra

4. ✔ Dribble

Question Number : 83 Question Id : 3026163783 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which country received 2018 FIFA Fair Play Trophy?

Options :

1. ✖ Brazil

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2. ✖ Argentina

3. ✖ France

4. ✔ Spain

Question Number : 84 Question Id : 3026163784 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who has played the lead role in the movie "Newton", which was released in the year 2017?

Options :

1. ✖ Irfan Khan

2. ✖ Nawazuddin Siddiqui

3. ✔ Raj Kumar Rao

4. ✖ Akshay Kumar

Question Number : 85 Question Id : 3026163785 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who said, *"God save us from people who mean well"*?

Options :

1. ✔ Vikram Seth

2. ✖ R K Narayan

3. ✖ Kiran Desai

4. ✖ Khushwant Singh

Question Number : 86 Question Id : 3026163786 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who won the Man Booker International Prize for his novel 'A Horse Walks Into a Bar'?

Options :

1. ✖ Jessica Cohen

2. ✖ Ismail Kadare

3. ✔ David Grossman

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4. ✖ Philip Roth

Question Number : 87 Question Id : 3026163787 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who is the present Chief of State Bank of India?

Options :

1. ✖ Arundathi Bhattacharya

2. ✔ Rajnish Kumar

3. ✖ Neeta Ambani

4. ✖ Barkha Singh

Question Number : 88 Question Id : 3026163788 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who amongst the following was not awarded the Crystal Award by World Economic Forum in Davos in January 2018?

Options :

1. ✖ Shah Rukh Khan

2. ✖ Cate Blan Cett

3. ✖ Elton John

4. ✔ Kiran Rao

Question Number : 89 Question Id : 3026163789 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The first Indian Governor General of Independent India was _____.

Options :

1. ✖ Annie Besant

2. ✔ C. Rajagopalachari

3. ✖ C. V. Raman

4. ✖ M. N. Prasad

Question Number : 90 Question Id : 3026163790 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The Chief Election Commissioner is appointed by whom?

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Options :

1. ✖ Prime Minister

2. ✖ Chief Minister

3. ✔ President

4. ✖ Vice-President

Question Number : 91 Question Id : 3026163791 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who is the present Chief Minister of Odisha?

Options :

1. ✖ Chandrababu Naidu

2. ✖ Siddaramaiah

3. ✖ Mamatha Benerjee

4. ✔ Naveen Patnaik

Question Number : 92 Question Id : 3026163792 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 enshrined in the Constitution of India?

Options :

1. ✖ Right to Equality

2. ✖ Right to Freedom

3. ✔ Right to Property

4. ✖ Right Against Exploitation

Question Number : 93 Question Id : 3026163793 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The _____became first court in south India and overall eighth in the country to introduce e-court fee payment facility.

Options :

1. ✖ Kerala High Court

2. ✔ Madras High Court

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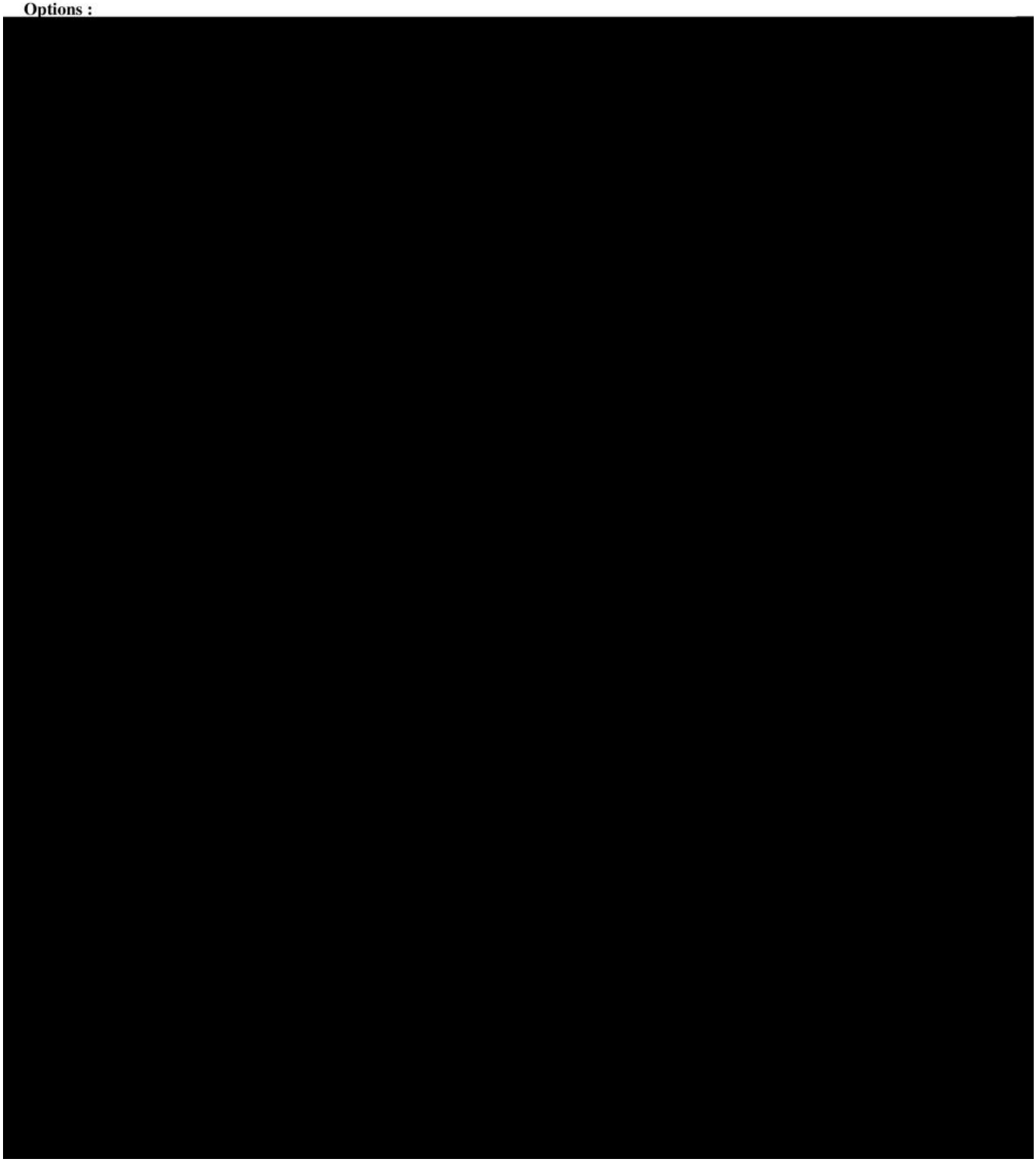
3. ✖ Mumbai High Court

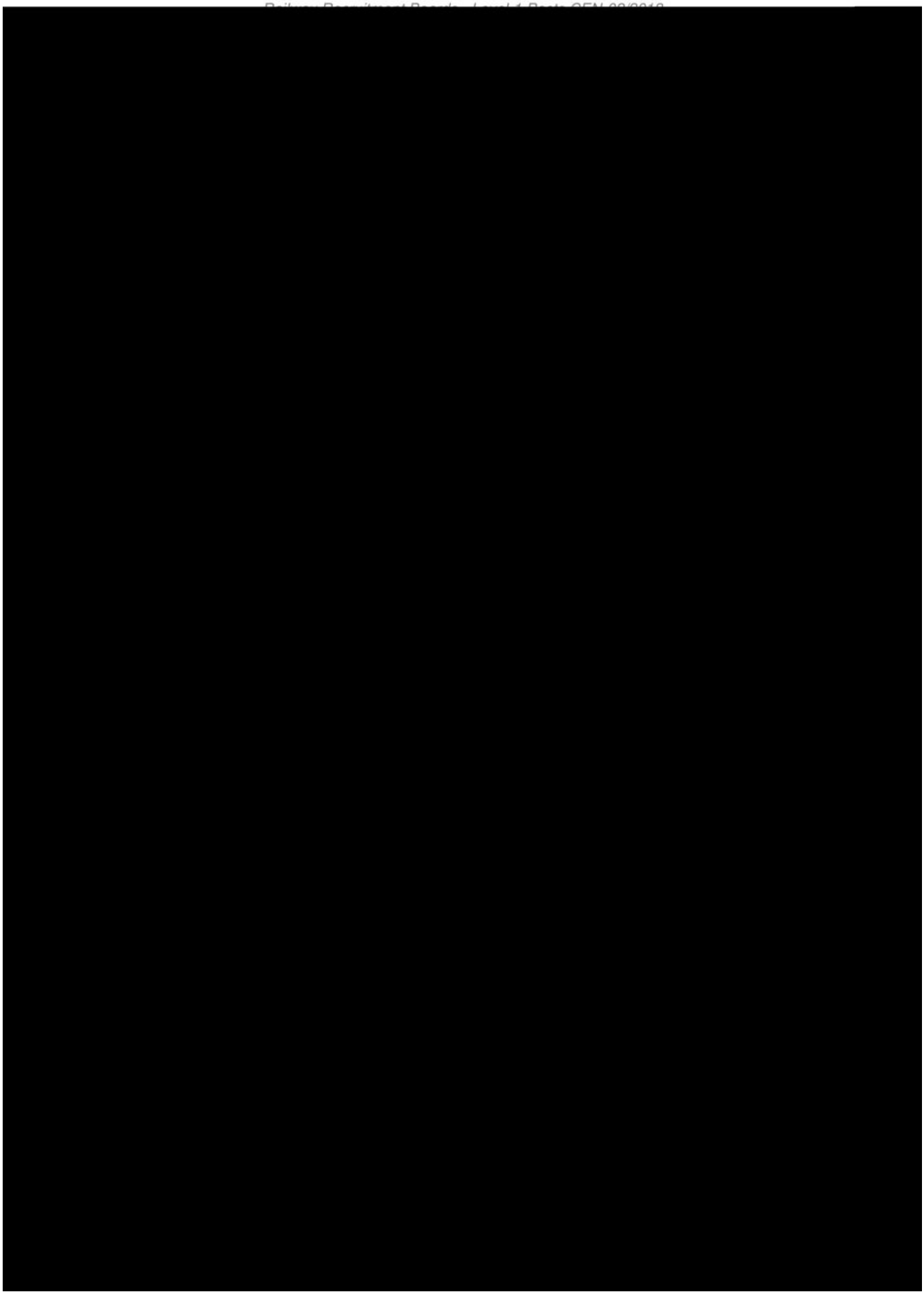
4. ✖ Karnataka High Court

Question Number : 94 Question Id : 3026163794 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Humayun's tomb, built in 1570, is a fine specimen of the great _____architecture.

Options :





1. ✔ Thar Link Express
2. ✖ Samjhauta Express
3. ✖ Attari Express
4. ✖ Border Express

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