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 9th Oct 2018 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?:	No
Highlighter:	No
Auto Save on Console?:	No

Display Number Panel:	Yes
Group All Questions:	No

Question Number : 1 Question Id : 6913523301 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The HCF of 45, 240 and 315 is:

Options :

1. ✖ 45

2. ✔ 15

3. ✖ 5

4. ✖ 3

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Question Number : 2 Question Id : 6913523302 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

$7 - [5 - \{6 - (5 - 4 - 3)\}] = ?$

Options :

1. ✖ 12

2. ✔ 10

3. ✖ 6

4. ✖ 5

Question Number : 3 Question Id : 6913523303 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The value of the expression $\left(\frac{3}{11} \times \frac{33}{6}\right) - \left(\frac{9}{4} \times \frac{12}{3}\right) + \left(\frac{30}{11} \times \frac{22}{10}\right) = ?$

Options :

1. ✖ $\frac{3}{2}$

2. ✔ $\frac{-3}{2}$

3. ✖ $\frac{9}{2}$

4. ✖ $\frac{-9}{2}$

Question Number : 4 Question Id : 6913523304 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If a train travels a distance of 152 km in $\frac{8}{9}$ h, then find the speed of the train.

Options :

1. ✖ 171 m/s

2. ✔ 171 km/h

3. ✖ 170 km/h

4. ✖ 170 m/s

Question Number : 5 Question Id : 6913523305 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The LCM of 176 and 308 is:

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Options :

1. ✖ 176×308

2. ✔ $44 \times 4 \times 7$

3. ✖ $66 \times 7 \times 3$

4. ✖ $66 \times 4 \times 6$

Question Number : 6 Question Id : 6913523306 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Of the 3200 employees of Company A, one fourth belong to the clerical cadre. If the clerical staff were to be reduced by a quarter, what percent of the total number of the remaining employees would then be of clerical cadre?

Options :

1. ✖ 6.25%

2. ✔ 20%

3. ✖ 18.75%

4. ✖ $6.\overline{6}\%$

Question Number : 7 Question Id : 6913523307 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A 12 m rope was divided into three parts with the lengths of the first two parts being 3.48 m and 4.06 m respectively. Find the length of the third part of the rope.

Options :

1. ✖ 4.54 m

2. ✔ 4.46 m

3. ✖ 4.56 m

4. ✖ 4.36 m

Question Number : 8 Question Id : 6913523308 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The sum of three fractions is 5. One of them is $1\frac{1}{2}$, while the difference between the other two is $\frac{3}{4}$. What is the largest of the three fractions?

Options :

1. ✖ $2\frac{1}{2}$

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2. ✗ $1\frac{7}{8}$

3. ✓ $2\frac{1}{8}$

4. ✗ $2\frac{1}{4}$

Question Number : 9 Question Id : 6913523309 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

By selling an article for ₹ 440 a seller gains a profit of 10%. How much percentage would he gain or lose by selling the article for ₹ 380?

Options :

1. ✗ Loss, 10%

2. ✗ Profit, 5%

3. ✗ Profit, 10%

4. ✓ Loss, 5%

Question Number : 10 Question Id : 6913523310 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the ratio of 3 days to 30 hours.

Options :

1. ✗ 6 : 7

2. ✓ 12 : 5

3. ✗ 5 : 12

4. ✗ 7 : 6

Question Number : 11 Question Id : 6913523311 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the amount of ₹ 2000 after 3 years when the interest is compounded annually at the rate of 10% per annum approximately:

Options :

1. ✓ ₹ 2662

2. ✗ ₹ 2726

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3. ✖ ₹ 2510

4. ✖ ₹ 2520

Question Number : 12 Question Id : 6913523312 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Mani deposited ₹ 8000 in a bank at 5% per annum compounded annually. Then the amount credited against her name at the end of 2 years is:

Options :

1. ✔ ₹ 8820

2. ✖ ₹ 8600

3. ✖ ₹ 8500

4. ✖ ₹ 8700

Question Number : 13 Question Id : 6913523313 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Sunita can complete the embroidery of a saree in 15 days, while her sister Neha can complete this work in 10 days. Both start embroidering the saree together, but Neha quits after 2 days. How many more days will Sunita take to complete the embroidery?

Options :

1. ✔ 10 days

2. ✖ 12 days

3. ✖ 20 days

4. ✖ 16 days

Question Number : 14 Question Id : 6913523314 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Supriti and Suhas can complete a piece of work together in 36 days. They start work together but Supriti had to leave 12 days before the work finally got over and hence it took them a total of 45 days to complete the work. In how many days can Supriti alone complete the work?

Options :

1. ✖ 72

2. ✖ 64

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3. ✖ 84

4. ✔ 48

Question Number : 15 Question Id : 6913523315 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A train leaves Agra at 5:00 am and reaches Delhi at 9:00 am. Another train leaves Delhi at 6:30 am and reaches Agra at 10:00 am. At what time do the two trains meet?

Options :

1. ✔ 7:40 am

2. ✖ 7:55 am

3. ✖ 7:45 am

4. ✖ 7:40 pm

Question Number : 16 Question Id : 6913523316 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If 38% of a number is 95, then what is the number?

Options :

1. ✔ 250

2. ✖ 260

3. ✖ 40

4. ✖ 50

Question Number : 17 Question Id : 6913523317 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In 12 hours, the hands of a clock are perpendicular to each other:

Options :

1. ✖ 44 times

2. ✔ 22 times

3. ✖ 11 times

4. ✖ 88 times

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Question Number : 18 Question Id : 6913523318 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A number when increased by 45% becomes 725. Find the number.

Options :

1. ✔ 500

2. ✖ 450

3. ✖ 525

4. ✖ 600

Question Number : 19 Question Id : 6913523319 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Niraj is half as old as Suraj. If 8 years is subtracted from Niraj's age and 5 years is added to Suraj's age, then Suraj will be five times as old as Niraj. Two years ago, Suraj and Niraj were:

Options :

1. ✖ 26 years and 12 years

2. ✖ 28 years and 14 years

3. ✔ 28 years and 13 years

4. ✖ 30 years and 15 years

Question Number : 20 Question Id : 6913523320 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In a leap year there are 52 weeks and P days. What is the value of 'P'.

Options :

1. ✔ 2

2. ✖ 3

3. ✖ 4

4. ✖ 5

Question Number : 21 Question Id : 6913523321 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

45 people can produce 40000 bulbs in 12 days. How many extra people are to be employed to produce 100000 bulbs in 9 days?

Options :

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1. ✖ 100

2. ✔ 105

3. ✖ 110

4. ✖ 120

Question Number : 22 Question Id : 6913523322 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If $a-\frac{1}{a}=10$, then $a^2+\frac{1}{a^2}=?$

Options :

1. ✖ 100

2. ✖ 98

3. ✔ 102

4. ✖ 99

Question Number : 23 Question Id : 6913523323 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If $sin\,x + sin^2x + sin\,3x = 1$, then find the value of $cos^6x - cos^4x + 8cos^2x$?

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

Options :

1. $\frac{1}{\sqrt{3}}$

2. 3

3. 4

4. $\frac{3}{2}$

Question Number : 24 Question Id : 6913523324 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Four numbers a, b, c and d are such that their overall average is 39. The average of a and b is 29.5. The average of c and d is _____.

Options :

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1. ✖ 48

2. ✔ 48.5

3. ✖ 49.5

4. ✖ 47.5

Question Number : 25 Question Id : 6913523325 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Evaluate the following:

$$\frac{5\cos^2 60^\circ + 4\sec^2 30^\circ - \tan^2 45^\circ}{\sin^2 30^\circ + \cos^2 30^\circ} = ?$$

Options :

1. ✖ 1

2. ✖ 2

3. ✔ $\frac{67}{12}$

4. ✖ $\frac{49}{12}$

Question Number : 26 Question Id : 6913523326 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If in a certain code language CHAIN is written as EJCKP then how will GOLD be written in the same language?

Options :

1. ✖ GAME

2. ✖ SILVER

3. ✖ GALD

4. ✔ IQNF

Question Number : 27 Question Id : 6913523327 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.

Green : Color :: Apple : ?

Options :

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1. ✖ Red
2. ✔ Fruit
3. ✖ Sweet
4. ✖ Vibrant

Question Number : 28 Question Id : 6913523328 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Consider the given statements even they seem to be at variance from commonly known facts and decide which of the conclusions are correct.

Statements:

- No cattle are lion.
- All lions are carnivorous.

Conclusions:

1. Some lions are cattle.
2. Some cattle are carnivorous.

Options :

1. ✖ Only conclusion 2 is correct
2. ✖ All the conclusions are correct
3. ✖ Only conclusion 1 is correct
4. ✔ No conclusion correct

Question Number : 29 Question Id : 6913523329 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 statement(s) and conclusions carefully and select which of the conclusions logically follow(s) from the statement(s).

Statements:

I. Some leopards are ferocious.

II. Some ferocious are bears.

Conclusions:

1. Some bears are ferocious.
2. Some leopards are bears.

Options :

1. ✔ Conclusion 1 alone follows.
2. ✖ Both 1 and 2 follows.
3. ✖ Conclusion 2 alone follows.
4. ✖ Neither 1 nor 2 follows.

Question Number : 30 Question Id : 6913523330 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Pointing to a person, Kalyan said "His grandson is the only son of my brother". How is the person related to Kalyan?

Options :

1. ✖ Grandfather
2. ✖ Brother
3. ✔ Father
4. ✖ Father-in-law

Question Number : 31 Question Id : 6913523331 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If A = 2, O = 30, X = 48, then what is the value of SAW?

Options :

1. ✔ 86
2. ✖ 96
3. ✖ 85

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4. ✖ 100

Question Number : 32 Question Id : 6913523332 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A statement is followed by two course of action. Decide which of the course of action is/are strong with respect to the statement.

Statement:

The NAAC committee had criticized the government college for failure of implementing quality education despite the sanction of good infrastructure and teachers by the government

Course of action:

1. The college must be given a chance to explain their stand on failure
2. College should be asked to implement the objective of education and improve the quality of education

Options :

1. ✖ Only 1 follows

2. ✖ Only 2 follows

3. ✔ Both 1 and 2 follows

4. ✖ Neither 1 nor 2 follows

Question Number : 33 Question Id : 6913523333 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In each question below is given a statement followed by two assumptions numbered I and II. You have to consider the statement and the following assumptions and decide which of the assumptions is implicit in the statement.

Statement : A note in the train says "Ticketless travelling is an offence. Penalty for Ticketless travelling would be ₹. 5,000 and one month jail."

Assumptions:

I. Ticket is compulsory to travel in a train.

II. No penalty will be imposed on a traveler with a ticket.

Options :

1. ✖ Only assumption I is implicit

2. ✖ Only assumption II is implicit

3. ✖ Neither I nor II is implicit

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4. ✔ Both I and II are implicit.

Question Number : 34 Question Id : 6913523334 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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

Statement:

It is mandatory to appoint postgraduates in Physics for this particular post.

Assumptions:

I. Higher knowledge of physics is mandatory to do the job.

II. Chemistry subject is a prerequisite to do this job.

Options :

1. ✔ Only assumption I is implicit

2. ✖ Only assumption II is implicit

3. ✖ Neither I nor II is implicit

4. ✖ Both I and II are implicit.

Question Number : 35 Question Id : 6913523335 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:

The Chairman of a newspaper company addresses the board of directors and states, "The idea of adding a weekly tabloid with the main newspaper would generate additional income and new ideas for content of the tabloid are welcome."

Conclusions:

I. The Chairman proposes the idea of starting a weekly tabloid

II. He is inviting suggestions from the board of directors for news items in the tabloid

Options :

1. ✖ Only conclusion I follows

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2. ✖ Only conclusion II follows

3. ✖ No conclusion follows

4. ✔ Both the conclusions follow

Question Number : 36 Question Id : 6913523336 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the next letter in the series.

IS, KQ, NN, ?

Options :

1. ✖ RZ

2. ✔ RJ

3. ✖ JP

4. ✖ JC

Question Number : 37 Question Id : 6913523337 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the next number in the given series.

12, 23, 45, 78,_____?

Options :

1. ✖ 128

2. ✔ 122

3. ✖ 130

4. ✖ 125

Question Number : 38 Question Id : 6913523338 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If + means ÷ , ÷ means –, – means ×, × means +, then 24 + 8 ÷ 6 –2 × 9 = ?

Options :

1. ✖ –1

2. ✔ 0

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3. ✖ 2

4. ✖ 1

Question Number : 39 Question Id : 6913523339 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The length of a rectangular plot exceeds its breadth by 5 metres. If the perimeter of the plot is 142 metres, find the dimensions of the plot.

Options :

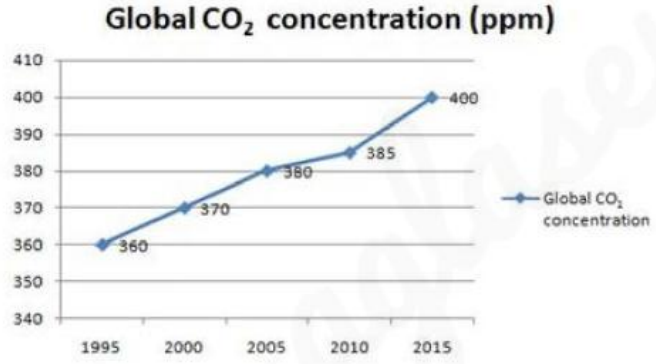
1. ✖ Length is 33m and breadth is 38m

2. ✔ Length is 38m and breadth is 33m

3. ✖ Length is 39m and breadth is 34m

4. ✖ Length is 34m and breadth is 39m

Question Number : 40 Question Id : 6913523340 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical



Based on the given graph, what is the percentage change in CO_2 concentration from year 2005 to 2015?

Options :

1. ✔ 5.26%

2. ✖ 5.00%

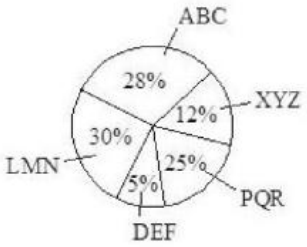
3. ✖ 4.26%

4. ✖ 3.00%

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Question Number : 41 Question Id : 6913523341 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The data given below shows information about the mobile phone manufacturing companies in India. The total mobile phones manufactured are 12,40,000.



How many units of mobile phones were manufactured by company "ABC"?

Options :

1. ✖ 1,73,600

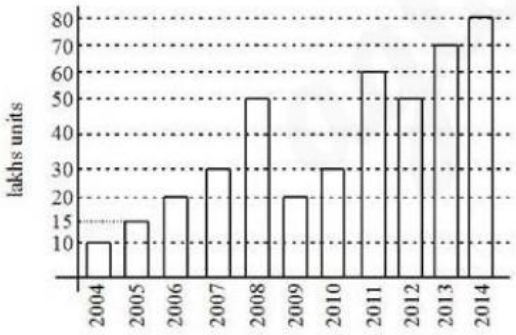
2. ✔ 3,47,200

3. ✖ 6,94,400

4. ✖ 3,24,000

Question Number : 42 Question Id : 6913523342 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The following bar graph shows in formation about the sales of the personal computers by the company "XYZ" for the last 10 years.



How many personal computer units were sold by the company in 2004 (in lakh units)

Options :

1. ✔ 10

2. ✖ 20

3. ✖ 30

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4. ✖ 40

Question Number : 43 Question Id : 6913523343 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A company's expenditure heads are given as follows (all figures are in lakhs of rupees)

Year	Salary	Bonus	Taxes	Interest on loans
Year1	₹ 200	₹ 10	₹ 60	₹ 20
Year2	₹ 200	₹ 10	₹ 70	₹ 22
Year3	₹ 300	₹ 15	₹ 90	₹ 21

In these years, the total amount of bonus paid by the company is approximately what percentage of the total salary being paid?

Options :

1. ✖ 0.5%

2. ✖ 0.005%

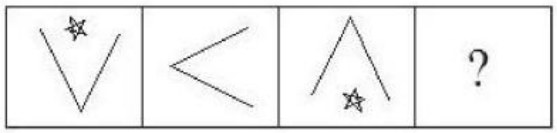
3. ✖ 0.05%

4. ✔ 5%

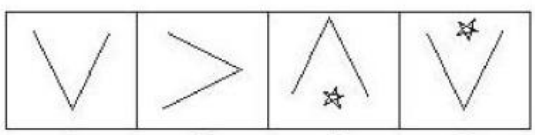
Question Number : 44 Question Id : 6913523344 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Pick the figure that will complete the given series.

Problem figures



Answer figures:



Options :

1. ✖ A

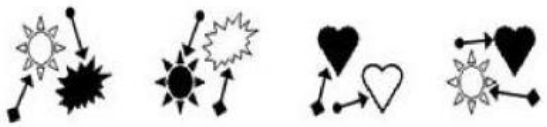
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2. ✔ B

3. ✖ C

4. ✖ D

Question Number : 45 Question Id : 6913523345 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical



A B C D

The figure that does not belong to the group is:

Options :

1. ✖ A

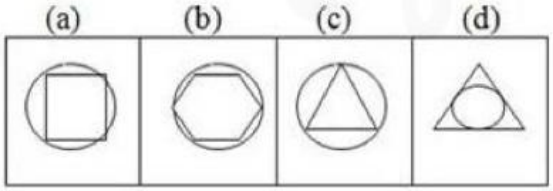
2. ✖ B

3. ✔ C

4. ✖ D

Question Number : 46 Question Id : 6913523346 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the ODD one:



Options :

1. ✖ a

2. ✖ b

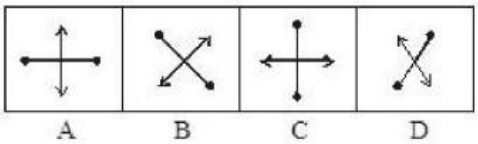
3. ✖ c

4. ✔ d

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Question Number : 47 Question Id : 6913523347 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. ✖ A

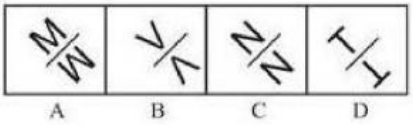
2. ✖ B

3. ✖ C

4. ✔ D

Question Number : 48 Question Id : 6913523348 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. ✖ A

2. ✖ B

3. ✔ C

4. ✖ D

Question Number : 49 Question Id : 6913523349 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
6E	O15	T20	25Y

Options :

1. ✔ A

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2. ✖ B

3. ✖ D

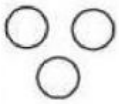
4. ✖ C

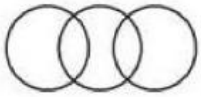
Question Number : 50 Question Id : 6913523350 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

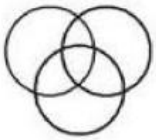
Choose the best suitable Venn diagram for the following words:

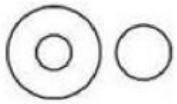
Clothes, Utensils, Table

Options :

1. ✔ 

2. ✖ 

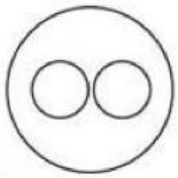
3. ✖ 

4. ✖ 

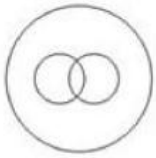
Question Number : 51 Question Id : 6913523351 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

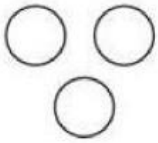
Choose the best suitable Venn diagram for the following words '**Sun, Jupiter, Solar System**'

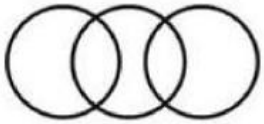
Options :

1. ✔ 

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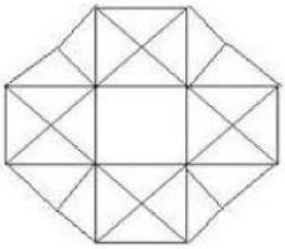
2. ✖ 

3. ✖ 

4. ✖ 

Question Number : 52 Question Id : 6913523352 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. ✖ 46

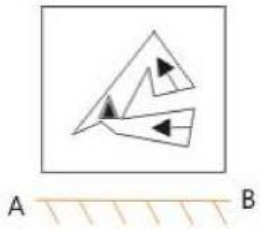
2. ✖ 64

3. ✔ 56

4. ✖ 44

Question Number : 53 Question Id : 6913523353 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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The mirror image of the above figure with respect to the line AB is:

Options :

1. ✖ 

2. ✖ 

3. ✖ 

4. ✔ 

Question Number : 54 Question Id : 6913523354 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Sonal was wearing a watch while she was going for tea at 3: 00 pm. She observes that the hours hand in her watch was facing East direction, then which direction would the minutes hand be facing?

Options :

1. ✔ North

2. ✖ East

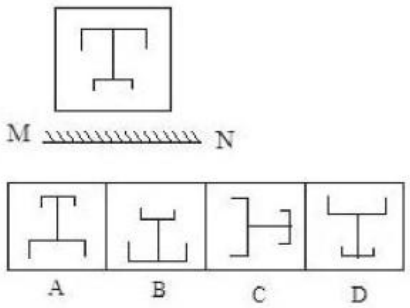
3. ✖ West

4. ✖ South

Question Number : 55 Question Id : 6913523355 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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Choose the mirror image for the following figure



Options :

1. ✖ A

2. ✔ B

3. ✖ C

4. ✖ D

Question Number : 56 Question Id : 6913523356 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What will be the weight of a body at the Poles as compared to its weight at the Equator of the earth?

Options :

1. ✔ The weight of the body at the Poles will be higher than its weight at the Equator.

2. ✖ The weight of the body at the Poles will be zero.

3. ✖ The weight of the body at the Poles will be the same as its weight at the Equator.

4. ✖ The weight of the body at the Poles will be less than its weight at the Equator.

Question Number : 57 Question Id : 6913523357 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The value of acceleration due to gravity depends on which of the following factors?

(a) Constant of gravitation 'G'

(b) Mass of the falling object 'm'

(c) Mass of the earth 'M'

(d) Radius of the earth 'R'

Options :

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1. ✖ a, b, c

2. ✔ a, c, d

3. ✖ b, c, d

4. ✖ a, b, d

Question Number : 58 Question Id : 6913523358 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the two physical quantities have the same unit?

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

Options :

1. Pressure and Force

2. Force and Momentum

3. Force and Weight

4. Force and Thrust

Question Number : 59 Question Id : 6913523359 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

When an object sinks, the up thrust of the liquid on the object is _____.

Options :

1. ✖ greater than the weight of the object

2. ✔ less than the weight of the object

3. ✖ same as the weight of the object

4. ✖ zero

Question Number : 60 Question Id : 6913523360 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The kinetic energy of an object is 120 J and its mass is 15 kg. Find the velocity of the object.

Options :

1. ✖ $4\ ms^{1}$

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2. ✔ $4\ ms^{-1}$

3. ✖ $4\ ms^{2}$

4. ✖ $4\ ms^{-2}$

Question Number : 61 Question Id : 6913523361 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

An object of mass 15 kg is moving with a uniform velocity of 8 ms^{-1}. What is the kinetic energy possessed by the object?

Options :

1. ✖ 187.5 J

2. ✖ 480 ms

3. ✔ 480 J

4. ✖ 180.5 J

Question Number : 62 Question Id : 6913523362 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Work done on an object does NOT depend on which of the following?

Options :

1. ✖ Displacement

2. ✖ Angle between force and displacement

3. ✖ Force applied

4. ✔ Mass of the object

Question Number : 63 Question Id : 6913523363 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 ____, from those obstacles.

Options :

1. ✖ infrasonic waves

2. ✖ radio waves

3. ✖ electromagnetic waves

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4. ✔ ultrasonic waves

Question Number : 64 Question Id : 6913523364 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A ray of light passing through the _____ of a lens will emerge without any deviation.

Options :

1. ✖ principal focus

2. ✔ optical centre

3. ✖ centre of curvature

4. ✖ principal axis

Question Number : 65 Question Id : 6913523365 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A current of 0.9 A is drawn by a filament of an electric bulb for two minutes. The charge flowing through the circuit is:

Options :

1. ✖ 1.8 C

2. ✖ 1.08 C

3. ✖ 10.8 C

4. ✔ 108 C

Question Number : 66 Question Id : 6913523366 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

How much current will an electric heater coil draw from 220 V source if the resistance of the coil is 100 ohm.

Options :

1. ✖ 22 A

2. ✔ 2.2 A

3. ✖ 22 C

4. ✖ 2.2 C

Question Number : 67 Question Id : 6913523367 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Atomicity of Phosphorus is:

Options :

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1. ✔ 4

2. ✖ 3

3. ✖ 5

4. ✖ 7

Question Number : 68 Question Id : 6913523368 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The number of moles present in 90 g of water is _____.

Options :

1. ✔ 5

2. ✖ 50

3. ✖ 0.5

4. ✖ 5.5

Question Number : 69 Question Id : 6913523369 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following statements is/are true?

A. **Density:** Mass per unit volume of a substance/matter is known as its density.

B. **Fluidity:** It is the kind of energy present in an object when it is under motion as the particles of that object/matter are continuously moving, which is why matter has kinetic energy.

Options :

1. ✔ Only A is true

2. ✖ Only B is true

3. ✖ A and B are both true

4. ✖ A and B are both false

Question Number : 70 Question Id : 6913523370 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following observations help us to determine whether a chemical reaction has taken place

Options :

1. ✖ Change in state

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2. ✖ Change in colour

3. ✖ Evolution of gas

4. ✔ All of these

Question Number : 71 Question Id : 6913523371 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following statement is NOT true for an alkali?

Options :

1. ✖ Soapy to touch

2. ✖ Bitter to taste

3. ✖ Corrosive

4. ✔ Sour to taste

Question Number : 72 Question Id : 6913523372 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following is an odd compound?

Options :

1. ✖ Methane

2. ✔ Ethene

3. ✖ Propane

4. ✖ Ethane

Question Number : 73 Question Id : 6913523373 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

_____ is the simplest alcohol.

Options :

1. ✖ Butanol alcohol

2. ✖ Ethyl alcohol

3. ✖ Ethanol

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4. ✔ Methanol

Question Number : 74 Question Id : 6913523374 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following is an electronic configuration of a non–metal?

Options :

1. ✖ 2,8,1

2. ✖ 2,8,3

3. ✖ 2,8,4

4. ✔ 2,8,5

Question Number : 75 Question Id : 6913523375 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The atomic number of Actinium is:

Options :

1. ✖ 88

2. ✔ 89

3. ✖ 90

4. ✖ 91

Question Number : 76 Question Id : 6913523376 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following is a kingdom that contains unicellular organisms with a prokaryotic cell organization (having no nuclear membrane), such as bacteria?

Options :

1. ✔ Monera

2. ✖ Protista

3. ✖ Fungi

4. ✖ Plantae

Question Number : 77 Question Id : 6913523377 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

_____ are exclusively free-living marine animals.

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Options :

1. ✖ Nematoda

2. ✖ Arthropoda

3. ✔ Echinodermata

4. ✖ Mollusca

Question Number : 78 Question Id : 6913523378 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following options is NOT true of RBCs?

Options :

1. ✖ Shape - circular and biconcave

2. ✔ Size - 5.7 μm

3. ✖ Hemoglobin - Present

4. ✖ Function - Transportation of oxygen and carbon dioxide

Question Number : 79 Question Id : 6913523379 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following reproduces by budding?

Options :

1. ✖ Amoeba

2. ✖ Paramoecium

3. ✔ Yeast

4. ✖ Plasmodium

Question Number : 80 Question Id : 6913523380 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which type of reproduction can bring greater diversity?

Options :

1. ✔ Sexual

2. ✖ Budding

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3. ✖ Regeneration

4. ✖ Spore formation

Question Number : 81 Question Id : 6913523381 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following Northeastern states is related to the origin of the third form of the modern game polo?

Options :

1. ✖ Tripura

2. ✔ Manipur

3. ✖ Mizoram

4. ✖ Nagaland

Question Number : 82 Question Id : 6913523382 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following ace Indian cueists won the 2017 IBSF World Billiards Championship held at Doha?

Options :

1. ✖ Aditya Mehta

2. ✔ Pankaj Advani

3. ✖ Chitra Magimaira

4. ✖ Jaiveer Dhingra

Question Number : 83 Question Id : 6913523383 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following sports is S.V. Sunil related to?

Options :

1. ✔ Hockey

2. ✖ Badminton

3. ✖ Athletics

4. ✖ Table Tennis

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Question Number : 84 Question Id : 6913523384 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following titles did Srishti Kaur from India win in 2017 at Managua, the capital of Nicaragua?

Options :

1. ✖ Miss Universe

2. ✔ Miss Teen Universe

3. ✖ Miss World

4. ✖ Miss Teen World

Question Number : 85 Question Id : 6913523385 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Padmasree Award 2017 in the field of Literature and Education was awarded to?

Options :

1. ✔ V Koteshwaramma

2. ✖ Bhagyalakshmi Sarkar

3. ✖ Suseela Mishra

4. ✖ S Janaki

Question Number : 86 Question Id : 6913523386 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following is a raga of Carnatic music?

Options :

1. ✔ Sindhu bhairavi

2. ✖ Khayal

3. ✖ Thumri

4. ✖ Tappa

Question Number : 87 Question Id : 6913523387 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Name the twelfth grader from Bengaluru after whom a minor planet in the Milky Way is named.

Options :

1. ✖ Mansi Aggarwal

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2. ✖ Komal S

3. ✔ Sahithi Pingali

4. ✖ Indrani Das

Question Number : 88 Question Id : 6913523388 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who won the Sahitya Academy Award, 2017 in Marathi language for 'Bolave Te Amhi'?

Options :

1. ✖ Arun Khopkar

2. ✖ Vikram Sampath

3. ✔ Srikant Deshmukh

4. ✖ Asha Bage

Question Number : 89 Question Id : 6913523389 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Identify the young Indian who has pioneered a company called 'JetSetG'o which is a plane aggregator that manages, operates, and flies planes for plane owners?

Options :

1. ✖ Neelam Pratap Rudy

2. ✖ Radha Bhatia

3. ✔ Kanika Tekriwal

4. ✖ Noopurr R Chablani

Question Number : 90 Question Id : 6913523390 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What portfolio does the cabinet minister of India, Smriti Zubin Irani hold as of February 2018?

Options :

1. ✖ Food Processing Industries

2. ✖ Social Justice and Empowerment

3. ✖ Agriculture Farmers Welfare

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4. ✔ Textiles, Information and Broadcasting

Question Number : 91 Question Id : 6913523391 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

How many seats did the BJP win in the 2017 Gujarat Assembly Polls?

Options :

1. ✔ 99/182

2. ✖ 100/182

3. ✖ 150/182

4. ✖ 175/182

Question Number : 92 Question Id : 6913523392 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

With which country has the Union Government in the recent past revised the Mode of Operation and Memorandum of Understanding to establish the Border Haats?

Options :

1. ✖ Bhutan

2. ✖ Nepal

3. ✔ Bangladesh

4. ✖ Myanmar

Question Number : 93 Question Id : 6913523393 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Ranil Wickramasinghe is the current prime minister of which of the following countries?

Options :

1. ✖ Maldives

2. ✖ Indonesia

3. ✖ South Korea

4. ✔ Sri Lanka

Question Number : 94 Question Id : 6913523394 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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Which among the following was the first municipal corporation of India?

Options :

1. ✖ Amritsar Municipal Corporation

2. ✖ Calcutta Municipal Corporation

3. ✖ Delhi Municipal Corporation

4. ✔ Madras Municipal Corporation

Question Number : 95 Question Id : 6913523395 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The Tripitakas is the earliest collection of _____ teachings.

Options :

1. ✖ Jain

2. ✔ Buddhist

3. ✖ Hindu

4. ✖ Aryan

Question Number : 96 Question Id : 6913523396 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Guru Shikhar, a peak in the Arbuda Mountains of_____, is the highest point of the Aravalli Range.

Options :

1. ✖ Himachal Pradesh

2. ✖ Uttarakhand

3. ✔ Rajasthan

4. ✖ Sikkim

Question Number : 97 Question Id : 6913523397 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The first shore -based modern ,integrated steel plant in India is _____.

Options :

1. ✔ Vizag Steel Plant

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2. ✖ Salem Steel Plant

3. ✖ Bhillai Steel Plant

4. ✖ Durgapur Steel Plant

Question Number : 98 Question Id : 6913523398 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What is known as golden fibre?

Options :

1. ✖ Wool

2. ✖ Wheat

3. ✔ Jute

4. ✖ Rayon

Question Number : 99 Question Id : 6913523399 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which 'A-Category Railway Station' came first in the 2018 Station Cleanliness Report released by the Railway Ministry?

Options :

1. ✔ Jodhpur

2. ✖ Visakhapatnam

3. ✖ Chennai Central

4. ✖ Yeshwantpur

Question Number : 100 Question Id : 6913523400 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

As per the new policy on theme-based currency notes, the ₹ 200 bill bears the motif of _____ to depict India's cultural heritage.

Options :

1. ✖ Red Fort

2. ✖ Taj Mahal

3. ✖ Agra Fort

4. ✔ Sanchi Stupa

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