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 26th Nov 2018 Shift3
Subject Name:	Level 1
Duration:	90
Total Marks:	100
Display Marks:	No
Share Answer Key With Delivery Engine:	Yes
Actual Answer Key:	Yes
Calculator:	None
Magnifying Glass Required?:	No
Ruler Required?:	No
Eraser Required?:	No
Scratch Pad Required?:	No
Rough Sketch/Notepad Required?:	No
Protractor Required?:	No
Show Watermark on Console?:	Yes
Highlighter:	No
Auto Save on Console?:	No

Display Number Panel:	Yes
Group All Questions:	No

Question Number : 1 Question Id : 6789136501 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The students of a class donated ₹ 5,184 in total for a certain purpose. If each student donated as much money as the number of students in the class, then how much money (in ₹) was donated by each student?

Options :

1. ✖ 36

2. ✖ 48

3. ✖ 63

4. ✔ 72

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Question Number : 2 Question Id : 6789136502 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

$11 - [3 + \{24 \div (8 - 3 \times 2)\}]$ is equal to:

Options :

1. ✖ 6

2. ✔ -4

3. ✖ 5.6

4. ✖ -6.2

Question Number : 3 Question Id : 6789136503 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If $5\frac{2}{5}$ kg of tomatoes cost ₹ 172.80, the cost (in rupees) for 1 kg of tomatoes is:

Options :

1. ✔ 32

2. ✖ 33.50

3. ✖ 34

4. ✖ 34.50

Question Number : 4 Question Id : 6789136504 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The value of $13.01 - 2.078 + 4.007 - 6.706$ is:

Options :

1. ✖ 0.219

2. ✖ 12.389

3. ✖ 8.332

4. ✔ 8.233

Question Number : 5 Question Id : 6789136505 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What is the largest number that divides 200 and 432 leaving remainders 2 and 3, respectively?

Options :

1. ✖ 8

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2. ✔ 33

3. ✖ 24

4. ✖ 44

Question Number : 6 Question Id : 6789136506 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

$\sqrt{48} + \sqrt{108} - \sqrt{147} = ?$

Options :

1. ✖ 3

2. ✖ $\sqrt{18}$

3. ✔ $\sqrt{27}$

4. ✖ 6

Question Number : 7 Question Id : 6789136507 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The lengths of the two sides containing the right angle in a right-angled triangle are 7 cm and 24 cm. What is the length of the hypotenuse?

Options :

1. ✖ $\sqrt{168}$ cm

2. ✔ 25 cm

3. ✖ 27.5 cm

4. ✖ 31 cm

Question Number : 8 Question Id : 6789136508 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

How many prime numbers are there within the first 100 natural numbers?

Options :

1. ✖ 24

2. ✔ 25

3. ✖ 26

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4. ✖ 27

Question Number : 9 Question Id : 6789136509 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If 2 : 5 :: 9 : x, then the value of x will be:

Options :

1. ✔ 22.5

2. ✖ 22.75

3. ✖ 22.25

4. ✖ 24

Question Number : 10 Question Id : 6789136510 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

18% of 150 is:

Options :

1. ✖ 28.5

2. ✖ 30

3. ✖ 24

4. ✔ 27

Question Number : 11 Question Id : 6789136511 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A manufacturer sells his machine to a wholesaler at 20% profit. The wholesaler sells that machine to the retailer at 10% profit, who in turn earns 10% profit by selling that machine to a customer for ₹ 1452. Find out the cost of the manufacturer.

Options :

1. ✖ ₹ 900

2. ✖ ₹ 1050

3. ✖ ₹ 870

4. ✔ ₹ 1000

Question Number : 12 Question Id : 6789136512 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The difference between a 13 % loss and 15 % profit was $63. The cost price of the item in question is $ ____.

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Options :

1. ✖ 198

2. ✖ 207

3. ✔ 225

4. ✖ 243

Question Number : 13 Question Id : 6789136513 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The distance between two stations is 100 km. A train travels this distance at a speed of 80 km/h for the onward journey and at $\frac{3}{4}^{th}$ times the speed of the onward journey for the return journey. What is the average speed of the train?

Options :

1. ✖ 70.3 km/h

2. ✔ 68.6 km/h

3. ✖ 68.5 km/h

4. ✖ 70.4 km/h

Question Number : 14 Question Id : 6789136514 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Ankit cycles to a church and returns to the starting point by his car. He takes a total of 5 hours for this journey. He would have saved 3 hours by using the car both ways on this journey. How long would it have taken for him to cycle both ways?

Options :

1. ✖ 9 hours

2. ✔ 8 hours

3. ✖ 7 hours

4. ✖ 5 hours

Question Number : 15 Question Id : 6789136515 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Without any stoppage a person travels a certain distance at an average speed of 80 km/hr, and with stoppages he covers the same distance at an average speed of 60 km/hr. How many minutes per hours does he stop

Options :

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1. ✖ 18 mins

2. ✖ 20 mins

3. ✔ 15 mins

4. ✖ 12 mins

Question Number : 16 Question Id : 6789136516 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

From a square plate with each side 9 cm, squares of area 0.25 cm^2 are cut out at each corner and the remaining plate is folded along the cuts to form an open-top cuboid. The volume of this open-top cuboid will be ___ cm^3.

Options :

1. ✖ 30

2. ✔ 32

3. ✖ 34

4. ✖ 36

Question Number : 17 Question Id : 6789136517 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the smaller angle between hour hand and the minute hand at 8:15.

Options :

1. ✔ $\frac{315}{2}^\circ$

2. ✖ 200°

3. ✖ 190°

4. ✖ 165°

Question Number : 18 Question Id : 6789136518 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A car is travelling at a speed of 81 km/hr. If it crosses a bridge in 18 seconds, find the length of the bridge. (Given the length of the car is 2 m)

Options :

1. ✔ 403 m

2. ✖ 400 m

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3. ✖ 402 m

4. ✖ 408 m

Question Number : 19 Question Id : 6789136519 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The ratio of the present ages of Tirtha and Pradip is 2 : 3 while that of the present ages of Pradip and Umar is 4 : 5. Four years ago the ratio of the ages of Tirtha and Pradip was 5 : 8. What is the sum of the present ages of the trio?

Options :

1. ✖ 140 years

2. ✖ 120 years

3. ✖ 90 years

4. ✔ 105 years

Question Number : 20 Question Id : 6789136520 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The ratio of the present ages of P and D is 3 : 4, while that of the present ages of D and A is 5 : 6. Fifteen years from now, the ratio of the ages of P and D would be 4 : 5. What is the sum of the present ages of the trio?

Options :

1. ✖ 180 years

2. ✖ 175 years

3. ✖ 183 years

4. ✔ 177 years

Question Number : 21 Question Id : 6789136521 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The sum of the digits of a two-digit number is 12. If the number formed by reversing the digits is 18 more than the original number, then the original number is:

Options :

1. ✖ 48

2. ✖ 39

3. ✔ 57

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4. ✖ 75

Question Number : 22 Question Id : 6789136522 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The height of an equilateral triangle is equal to a third of the diagonal of a square. The ratio of the areas of the triangle and the square is :

Options :

1. ✖ $3 : 4\sqrt{3}$

2. ✖ $\sqrt{3}:6$

3. ✔ $2 : 9\sqrt{3}$

4. ✖ $\sqrt{3} : \sqrt{2}$

Question Number : 23 Question Id : 6789136523 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the number of days from 22 February 1899 to 22 May 1903 including both the start and end dates?

Options :

1. ✖ 1552

2. ✔ 1550

3. ✖ 1551

4. ✖ 1559

Question Number : 24 Question Id : 6789136524 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In a parallelogram ABCD angle A= (3x-25)°and angle C= (2x+15)°, where angle A and angle C are opposite angles. Find angle A?

Options :

1. ✖ 115°

2. ✔ 95°

3. ✖ 85°

4. ✖ 105°

Question Number : 25 Question Id : 6789136525 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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If $sin\emptyset = \frac{\sqrt{3}}{2}$, then find value of $(cosec\ \emptyset + cot\emptyset) = ?$

Options :

1. ✗ $2\sqrt{3}$

2. ✗ $2 + \sqrt{3}$

3. ✓ $\sqrt{3}$

4. ✗ $\frac{2\sqrt{3}}{3}$

Question Number : 26 Question Id : 6789136526 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If 'chef' is called 'butler', 'butler' is called 'clerk', 'clerk' is called 'teacher', 'teacher' is called 'doctor' and 'doctor' is called 'engineer', then who will teach in a class?

Options :

1. ✗ Clerk

2. ✗ Teacher

3. ✓ Doctor

4. ✗ Engineer

Question Number : 27 Question Id : 6789136527 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If Z is the paternal uncle of X and Y is the mother of X, then Y is the _____ of Z.

Options :

1. ✗ Paternal aunt

2. ✗ Maternal aunt

3. ✗ Cousins

4. ✓ Sister-in-law

Question Number : 28 Question Id : 6789136528 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If ESCAPE is coded as 51*705, and FURNITURE is coded as 692#48925, then how can SUNRISE be coded?

Options :

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1. ✖ 19*2415

2. ✖ 192#415

3. ✖ 192*415

4. ✔ 19#2415

Question Number : 29 Question Id : 6789136529 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In a certain code, RESUME is written as MESURE. Which word will be written as DEPEND in that code?

Options :

1. ✖ NDEPOU

2. ✖ NDPKU

3. ✖ POUCK

4. ✔ NDPEDE

Question Number : 30 Question Id : 6789136530 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 second term in the same way as the third term is related to the forth term.

_____ : Spider :: Barrack : Soldier

Options :

1. ✔ Web

2. ✖ Hive

3. ✖ Barn

4. ✖ Nest

Question Number : 31 Question Id : 6789136531 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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

statements:

Statement: All tables are filters. All filters are grinders.

Conclusions: 1. Some Tables are not Grinders.

2. Some Grinders are Tables

Options :

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1. ✖ Only (1) follows

2. ✔ Only (2) follows

3. ✖ Either (1) or (2) follows

4. ✖ Both (1) & (2) follows

Question Number : 32 Question Id : 6789136532 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: Should youth be involved in politics?

Arguments:

I. Yes, youth can change the world through politics by becoming actively, meaningfully and substantially involved throughout political parties and beyond.

II No, politics is typically regarded as a space for politically experienced men.

Options :

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 : 6789136533 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:

The tea of company A is quite better in taste than the much advertised tea of company B.

Assumptions:

I. Some people are tempted to buy a product by watching the advertisement.

II. If your product is not good, you spend more on advertising it.

Options :

1. ✔ Only assumption I is implicit

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2. ✖ Only assumption II is implicit

3. ✖ Either I or II is implicit

4. ✖ Neither I nor II is implicit

Question Number : 34 Question Id : 6789136534 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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

Statement:

"Anna's restaurant is popular here for South Indian Cuisine", says Y to T.

Conclusions:

I. Y had food at Anna's restaurant.

II. South Indian food is the most popular food.

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 : 35 Question Id : 6789136535 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:

"Please prepare and send the following documents to the accountant's address," said a proprietor to his assistant.

Assumptions:

I. The assistant would follow the proprieter's instruction

II. The assistant would personally go and hand over the documents to the accountant

Options :

1. ✔ Only I is implicit

2. ✖ Only II is implicit

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3. ✖ Both I and II are implicit

4. ✖ Neither I nor II is implicit

Question Number : 36 Question Id : 6789136536 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the next number in the series.

9, 18, 54, 216, 1080,_____?

Options :

1. ✖ 6400

2. ✖ 6200

3. ✔ 6480

4. ✖ 6490

Question Number : 37 Question Id : 6789136537 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the missing term in the following series.

A, C, F, J, O, _____, B

Options :

1. ✖ S

2. ✔ U

3. ✖ V

4. ✖ T

Question Number : 38 Question Id : 6789136538 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which set of mathematical symbols given in the options should replace the instances of '?' in the given equation to get the result?

$((180?20)?4)?10 = 50$

Options :

1. ✖ +, ×, ×

2. ✔ -, ÷, +

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3. ✖ -, ×, ÷

4. ✖ +, ÷, ÷

Question Number : 39 Question Id : 6789136539 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.

$DE_1DE_3DE_5??$

Options :

1. ✖ DE_5DE_4

2. ✔ DE_7DE_9

3. ✖ DE_5DE_6

4. ✖ DE_4DE_5

Question Number : 40 Question Id : 6789136540 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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

Question:

There are 3 bags. What is the total weight they all can carry together?

Statements:

1. Bag 1 can carry 10 kg.
2. Bag 2 and 3 together can carry half the weight of bag 1.

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 : 6789136541 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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The sales of a particular brand of shampoo in 2 states over 3 years are given in the below table. The figures are in lakh rupees:

	State 1	State 2
Year 1	15	15
Year 2	12	14
Year 3	15	20

What is the percentage difference in sales both states taken together from year 1 to year 3?

Options :

1. ✔ 16.67%

2. ✖ 15.67%

3. ✖ 19.67%

4. ✖ 18%

Question Number : 42 Question Id : 6789136542 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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

Question:

Nutan has 6 pillow covers of 2 different colours. How many white pillow covers does she have?

Statements:

1. Nutan has 2 pairs of pink pillow covers.
2. The pillow covers are of cotton material.

Options :

1. ✔ Statement 1 alone is sufficient.

2. ✖ Statement 2 alone is sufficient.

3. ✖ Statement 1 and 2 together are not sufficient.

4. ✖ Statements 1 and 2 together are necessary.

Question Number : 43 Question Id : 6789136543 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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Which of the statements is sufficient to answer the question?

Question:

Find the common difference in the series.

Statements:

1) The first number in the Arithmetic Progression is 3 and ninth term is –27.

2) The second number in the series is 6.

Options :

1. ✔ Only statement 1 is sufficient

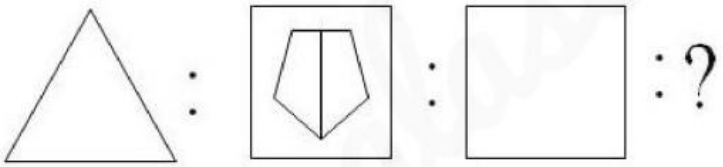
2. ✖ Only statement 2 is sufficient

3. ✖ Neither statement 1 nor 2 is sufficient

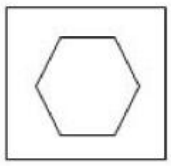
4. ✖ Both statements 1 and 2 are sufficient

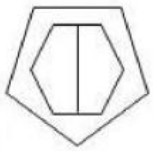
Question Number : 44 Question Id : 6789136544 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the figure which will replace the question mark.



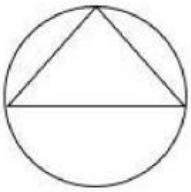
Options :

1. ✖ 

2. ✔ 

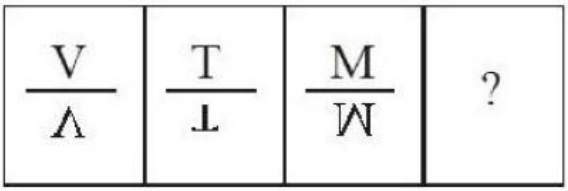
3. ✖ 

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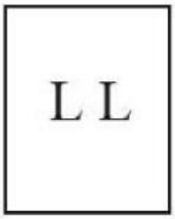
4. ✖ 

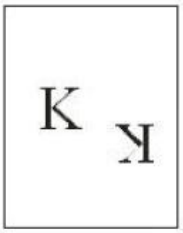
Question Number : 45 Question Id : 6789136545 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

From the options, choose the next figure in the given series.

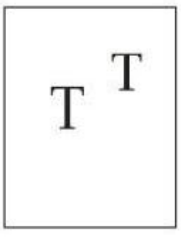


Options :

1. ✖ 

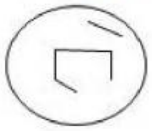
2. ✖ 

3. ✔ 

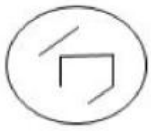
4. ✖ 

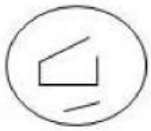
Question Number : 46 Question Id : 6789136546 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

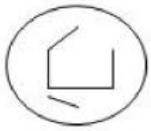
Choose the correct water-image for the following:



Options :

1. ✖ 

2. ✔ 

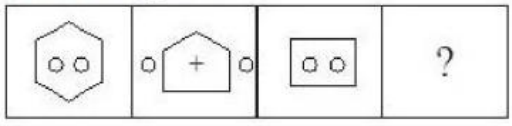
3. ✖ 

4. ✖ 

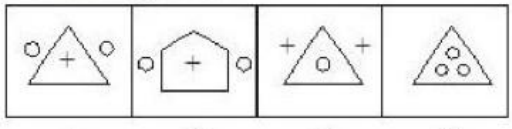
Question Number : 47 Question Id : 6789136547 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the next figure in the given series.

Problem figures:



Answer figures:



Options :

1. ✔ A

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2. ✖ B

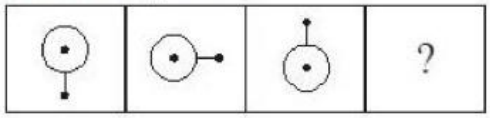
3. ✖ C

4. ✖ D

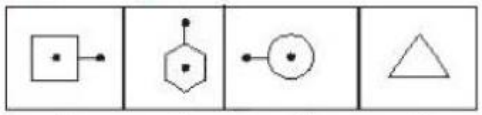
Question Number : 48 Question Id : 6789136548 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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

Problem figures:



Answer figures:



Options :

1. ✖ A

2. ✖ B

3. ✔ C

4. ✖ D

Question Number : 49 Question Id : 6789136549 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If the time is 35 minutes past 4 on a certain wall clock, what time will the water image of the clock show?

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

Options :

1. 11:05

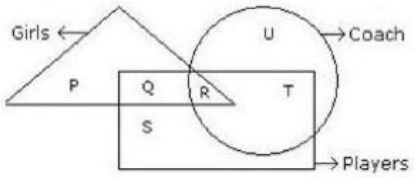
2. 7:20

3. 2:55

4. 1:50

Question Number : 50 Question Id : 6789136550 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In the following figure triangle represents 'girls', square players and circle-coach. Which part of the diagram represents the girls who are player and also a coach?



Options :

1. ✖ P

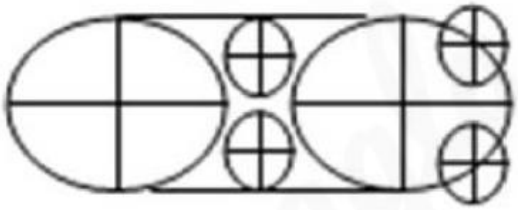
2. ✖ Q

3. ✔ R

4. ✖ S

Question Number : 51 Question Id : 6789136551 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

How many sectors are there in this figure:



Options :

1. ✖ 20

2. ✔ 24

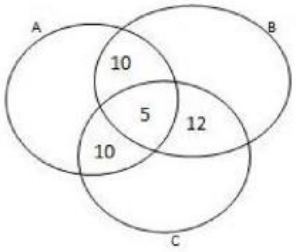
3. ✖ 16

4. ✖ 32

Question Number : 52 Question Id : 6789136552 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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The given Venn diagram shows a total of 50 students who appeared for three different examinations A, B and C. All have appeared for at least one examination. How many of them appeared for exactly one examination?



Options :

1. ✖ 32

2. ✖ 20

3. ✖ 18

4. ✔ 13

Question Number : 53 Question Id : 6789136553 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A man facing south turns clockwise 270 degree & then anticlockwise 90 degree he is now facing in ____ direction.

Options :

1. ✖ east

2. ✖ west

3. ✔ north

4. ✖ south

Question Number : 54 Question Id : 6789136554 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

From point O, facing East, a person walks 2 km to reach point A, then turns right and walks 4 km to reach point B, then turns left and walks 2 km to reach point C, then turns left and walks 8 km to reach point D, then turns left and walks 8 km to reach point E and then turns left and walks 4 km reach point F. the shortest distance between point D and point F is ___ km.

Options :

1. ✖ $2\sqrt{5}$

2. ✔ $4\sqrt{5}$

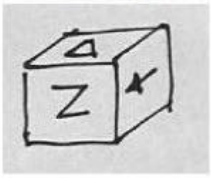
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3. ✖ 80

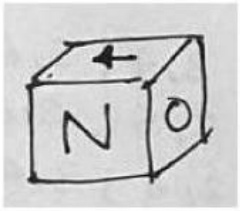
4. ✖ $2\sqrt{6}$

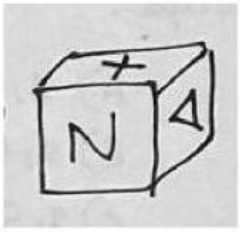
Question Number : 55 Question Id : 6789136555 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

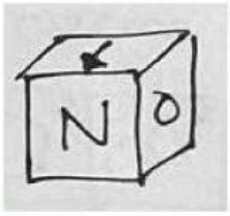
Three faces of a cube are visible in the given figure. Each face of the cube has a different design. Four cubes are provided as options. Find out the cube that can be obtained by manipulation or rotation of the original cube (the answer cube should possess at least two faces similar to those of the original cube).

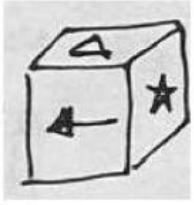


Options :

1. ✖ 

2. ✖ 

3. ✔ 

4. ✖ 

Question Number : 56 Question Id : 6789136556 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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A car falls off a ledge and drops to the ground in 0.4 s (let g=10ms^{-2}).

What is its speed on striking the ground?

Options :

1. ✔ 4 ms^{-1}

2. ✖ 4 ms^{-2}

3. ✖ 5 ms^{-1}

4. ✖ 4 ms^{1}

Question Number : 57 Question Id : 6789136557 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A car falls off a ledge and drops to the ground in 1.0 s. (let g=10 ms^{-2})

What is its speed on striking the ground?

Options :

1. ✖ 8 ms^{-1}

2. ✔ 10 ms^{-1}

3. ✖ 11 ms^{-1}

4. ✖ 10 ms^{-2}

Question Number : 58 Question Id : 6789136558 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What is the term for the space around a magnet where its influence can be detected?

Options :

1. ✖ Electrostatic field

2. ✔ Magnetic field

3. ✖ Static field

4. ✖ Gravitational pull

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Question Number : 59 Question Id : 6789136559 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A 2 kg ball moving with a velocity of 5 ms^{-1} collides with a 4 kg ball at rest. What will be the velocities of both the balls after collision?

Options :

1. ✖ 2.66 and 3.33

2. ✖ 1.66 and 4.22

3. ✖ 1.6 and 1.33

4. ✔ 1.66 and 3.33

Question Number : 60 Question Id : 6789136560 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A certain household has consumed 900×10^6 J of energy in a month. How much energy is this in units?

Options :

1. ✖ 25

2. ✔ 250

3. ✖ 2.5

4. ✖ 2500

Question Number : 61 Question Id : 6789136561 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What is the SI unit of power?

Options :

1. ✖ Joule

2. ✔ Watt

3. ✖ Volt

4. ✖ Ampere

Question Number : 62 Question Id : 6789136562 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If velocity is doubled, then:

Options :

1. ✖ Momentum increases 4 times and K.E increases 2 times

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2. ✖ Momentum increases 4 times and K.E increases 3 times

3. ✖ Momentum increases 3 times and K.E increases 4 times

4. ✔ Momentum increases 2 times and K.E increases 4 times

Question Number : 63 Question Id : 6789136563 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The full form of SONAR is:

Options :

1. ✖ Sonographic Navigation And Radiation

2. ✖ Sonographic Navigation and Auto Ranging

3. ✖ Sonographic Navigation Around Radiation

4. ✔ Sound Navigation And Ranging

Question Number : 64 Question Id : 6789136564 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

An echo is heard if the original sound reflected by an obstacle reaches our ears after:

Options :

1. ✖ 1 s

2. ✔ 0.1 s

3. ✖ 0.5 s

4. ✖ 5 s

Question Number : 65 Question Id : 6789136565 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The process that converts solid coal into liquid hydrocarbon fuel is called:

Options :

1. ✔ liquefaction

2. ✖ carbonation

3. ✖ catalytic conversion

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4. ✖ cracking

Question Number : 66 Question Id : 6789136566 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

According to Ohm's law, _____.

Options :

1. ✖ V=F/S

2. ✔ R=V/I

3. ✖ P=W/T

4. ✖ R=V/T

Question Number : 67 Question Id : 6789136567 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Representation of an object, system or phenomenon is done by _____.

Options :

1. ✖ numeric model

2. ✖ atomic model

3. ✖ key model

4. ✔ scientific model

Question Number : 68 Question Id : 6789136568 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

_____ suggested that the symbols of elements be made from one or two letters of the name of the element.

Options :

1. ✖ Dalton

2. ✖ Lavoisier

3. ✖ Thomson

4. ✔ Berzilius

Question Number : 69 Question Id : 6789136569 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

How many elements are there in 6th period?

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Options :

1. ✖ 2

2. ✖ 8

3. ✖ 26

4. ✔ 32

Question Number : 70 Question Id : 6789136570 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following chemical reactions takes place when a substance is decomposed into new substances on passing electricity?

Options :

1. ✖ Decomposition reaction

2. ✖ Photolytic decomposition

3. ✔ Electrolytic decomposition

4. ✖ Thermal decomposition

Question Number : 71 Question Id : 6789136571 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

$2Mg + O_2 \rightarrow MgO$

The above reaction is an example of _____ reaction.

Options :

1. ✖ displacement

2. ✖ double displacement

3. ✖ decomposition

4. ✔ combination

Question Number : 72 Question Id : 6789136572 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which one of the following statements is incorrect with regard to metals?

Options :

1. ✖ Melting points and boiling points are high for all metals

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2. ✔ All metals (except Mercury) are in the liquid form and aresoft

3. ✖ All metals have shine and can be polished

4. ✖ All metals are malleable and ductile

Question Number : 73 Question Id : 6789136573 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Choose incorrect one for Aldehydes.

Options :

1. ✖ HCOH→methanal→formaldehyde

2. ✔ CH_2COH→ethyal→acetaldehyde

3. ✖ C_2H_5COH→propanal→propaldehyde

4. ✖ C_3H_7COH→butanal→ butyraldehyde

Question Number : 74 Question Id : 6789136574 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In the third period of the periodic table, the element which has smallest size is _____.

Options :

1. ✖ Na

2. ✔ Ar

3. ✖ Cl

4. ✖ Si

Question Number : 75 Question Id : 6789136575 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Both of the elements of the 1^{st} period contains valence electrons in the _____.

Options :

1. ✖ M shell

2. ✖ N shell

3. ✔ K shell

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4. ✖ S shell

Question Number : 76 Question Id : 6789136576 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Choose the INCORRECT statement from among the following.

Upper and lower layer of cells in leaves _____.

Options :

1. ✖ protect the inner parts

2. ✖ exchange the gases

3. ✖ regulate the water content

4. ✔ synthesise food

Question Number : 77 Question Id : 6789136577 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Select the odd one out of the following connective tissues.

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

Options :

1. Cartilage

2. Ligaments

3. Adipose tissue

4. Tendons

Question Number : 78 Question Id : 6789136578 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

_____ process converts chemical energy into heat energy

Options :

1. ✖ Nutrition.

2. ✖ Excretion

3. ✔ Respiration

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4. ✖ Transportation

Question Number : 79 Question Id : 6789136579 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Plants produced by which method of reproduction are genetically similar enough to the parent plant to have all its characteristics?

Options :

1. ✖ Regeneration

2. ✖ Sexual reproduction

3. ✖ Fission

4. ✔ Vegetative propagation

Question Number : 80 Question Id : 6789136580 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following statements is INCORRECT regarding sex determination?

Options :

1. ✖ A male individual has one X-choromosome and one Y-chromosome.

2. ✔ A female individual has two similar X- chromosomes and XY.

3. ✖ The sex of the child is determined at the time of fertilisation when male and female gametes fuse to form a zygote.

4. ✖ In diploid organisms having separate sexes, a specific pair of chromosomes, called sex chromosomes, in each diploid cell determines the sex of the individual.

Question Number : 81 Question Id : 6789136581 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The 15th Edition of World Wrestling Championship 2018 organized from 20th to 28th October was held at:

Options :

1. ✔ Hungary

2. ✖ India

3. ✖ China

4. ✖ Pakistan

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Question Number : 82 Question Id : 6789136582 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

According to Forbes compilation, who among the following stood first in the world's highest paid athlete's list?

Options :

1. ✔ Floyd Mayweather

2. ✖ Virat Kohli

3. ✖ Roger Federer

4. ✖ Lionel Messi

Question Number : 83 Question Id : 6789136583 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who is the number one test bowler according to ICC in 2017-18?

Options :

1. ✖ Kagiso Rabada

2. ✖ Mitchell Starc

3. ✔ James Anderson

4. ✖ Jaspreet Bumrah

Question Number : 84 Question Id : 6789136584 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

As of 2018, who amongst the following is the current president of FICCI?

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

Options :

1. Rakesh Shah

2. Shobana Kamineni

3. Ajay Tyagi

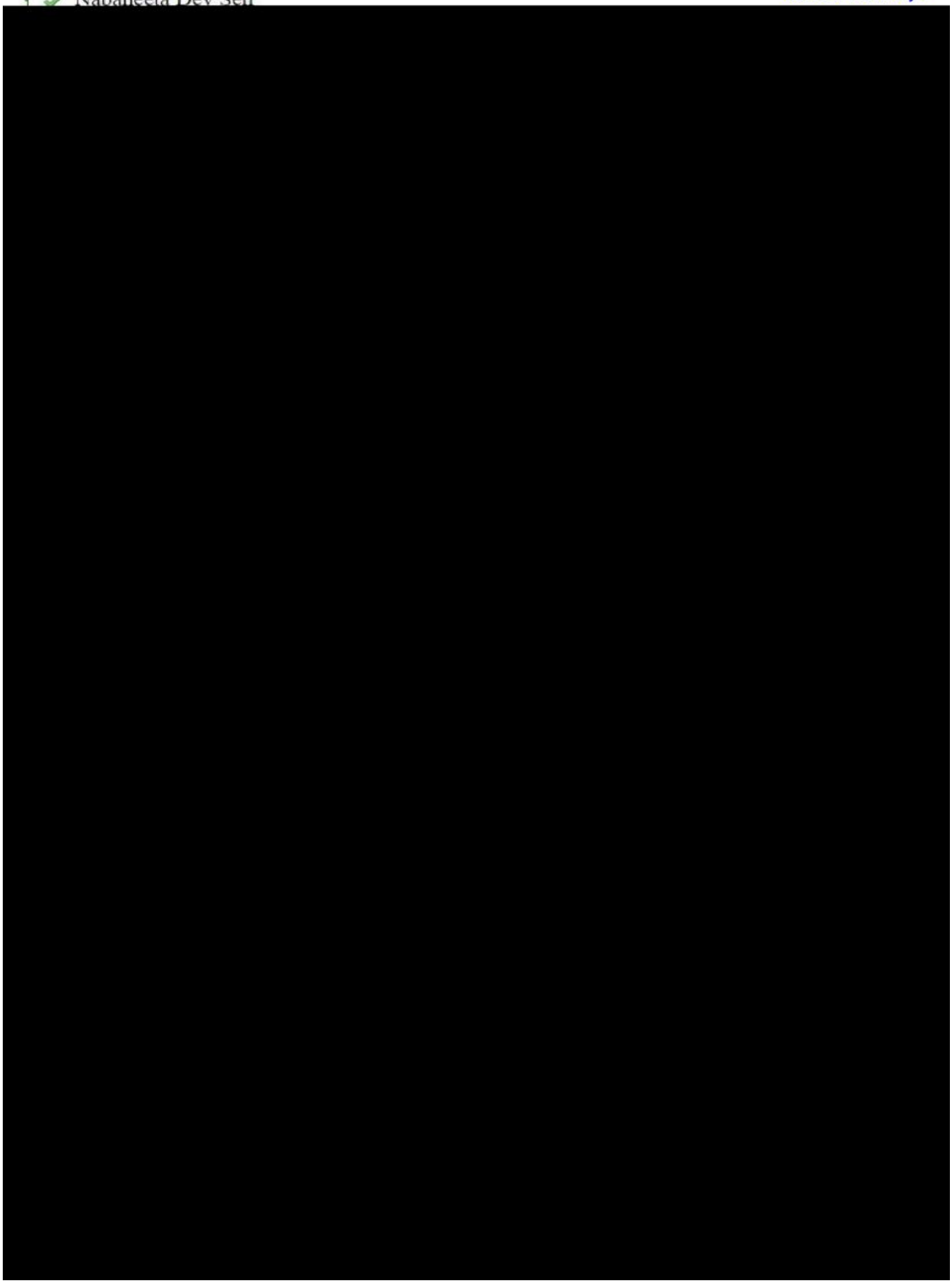
4. Ganesh Gupta

Question Number : 85 Question Id : 6789136585 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who was declared the winner of the Big Little Book Award 2017 in the "Author in Bengali Language" category?

Options :

1. Nabaneeta Dev Sen



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3. ✖ 2017

4. ✔ 2016

Question Number : 89 Question Id : 6789136589 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Noted flautist Pandit Hari Prasad Chourasia (78) was conferred with the '2016 Sumitra Charat Ram Award' for lifetime achievement in the field of:

Options :

1. ✖ Carnatic Music

2. ✖ Western Music

3. ✔ Indian Classical Music

4. ✖ Singing

Question Number : 90 Question Id : 6789136590 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which city is known as the 'silicon valley' of India?

Options :

1. ✖ Chennai

2. ✖ New Delhi

3. ✔ Bengaluru

4. ✖ Jaipur

Question Number : 91 Question Id : 6789136591 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

After the recent resignation of TDP Minister Ashok Gajapati Raju, who has taken an additional charge as the new Civil Aviation Minister?

Options :

1. ✖ Nitin Gadkari

2. ✖ Smriti Irani

3. ✖ Ram Vilas Paswan

4. ✔ Suresh Prabhu

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Question Number : 92 Question Id : 6789136592 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In 1982, electronic voting machines were used for the first time in the assembly elections of _____.

Options :

1. ✖ Bihar

2. ✖ Delhi

3. ✔ Kerala

4. ✖ Punjab

Question Number : 93 Question Id : 6789136593 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Hambantota port is located in which country?

Options :

1. ✖ India

2. ✖ Bangladesh

3. ✖ Myanmar

4. ✔ Srilanka

Question Number : 94 Question Id : 6789136594 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Harshacharita, the biography of King Harshavardhana, was written by:

Options :

1. ✔ Banabhatta

2. ✖ Tulsidas

3. ✖ Kalidas

4. ✖ Birbal

Question Number : 95 Question Id : 6789136595 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

_____ got the Grand Trunk Road reconstructed.

Options :

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1. ✔ Lord Dalhousie

2. ✖ Lord Cornwallis

3. ✖ Lord Henry

4. ✖ Lord Clive

Question Number : 96 Question Id : 6789136596 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Tungabhadra is a tributary of river _____.

Options :

1. ✖ Mahanadi

2. ✖ Godavari

3. ✔ Krishna

4. ✖ Kaveri

Question Number : 97 Question Id : 6789136597 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The Golden Temple also known as 'Harmandir Sahib' or 'Darbar Sahib' is located in _____.

Options :

1. ✖ Chandigarh

2. ✖ Anandpur

3. ✖ Patna

4. ✔ Amritsar

Question Number : 98 Question Id : 6789136598 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Pradhan Mantri Jan Dhan Yojana scheme is launched by the Government of India to accelerate:

Options :

1. ✖ Agriculture

2. ✔ Financial inclusion

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3. ✖ Primary education

4. ✖ Skill Development

Question Number : 99 Question Id : 6789136599 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who launched development schemes worth ₹ 1000 crore for Daman and Diu in February 2018?

Options :

1. ✖ Rajnath Singh

2. ✔ Narendra Modi

3. ✖ Sushma Swaraj

4. ✖ Maneka Gandhi

Question Number : 100 Question Id : 6789136600 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

World Trade Organization was constituted on 1st January 1995 under the _____.

Options :

1. ✖ ASEAN Free Trade Agreement

2. ✖ Trans–Pacific Partnership

3. ✔ Marrakesh Agreement

4. ✖ Comprehensive Economic Partnership