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 31st 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 : 302616201 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

For a number to be divisible by 8, the last digit must be =?

Options :

1. ✔ 4

2. ✖ 3

3. ✖ 1

4. ✖ 5

.

Question Number : 2   Question Id : 302616202   Question Type : MCQ   Option Shuffling : Yes   Display Question Number : Yes   Single Line Question Option : No   Option Orientation : Vertical

The LCM and HCF of two numbers are 68 and 5, respectively. If one number is 20, what is the other number?

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

Options :

1. 14

2. 15

3. 17

4. 19

Question Number : 3   Question Id : 302616203   Question Type : MCQ   Option Shuffling : Yes   Display Question Number : Yes   Single Line Question Option : No   Option Orientation : Vertical

The LCM of 36, 27 and 72 is:

Options :

1. ✖ 108

2. ✔ 216

3. ✖ 324

4. ✖ 432

Question Number : 4   Question Id : 302616204   Question Type : MCQ   Option Shuffling : Yes   Display Question Number : Yes   Single Line Question Option : No   Option Orientation : Vertical

Evaluate:

$$36 \div \frac{1}{4}$$

Options :

1. ✖ 9

2. ✖ Reciprocal of 9

3. ✔ 144

4. ✖ Reciprocal of 144

Question Number : 5   Question Id : 302616205   Question Type : MCQ   Option Shuffling : Yes   Display Question Number : Yes   Single Line Question Option : No   Option Orientation : Vertical

If $\sqrt{1296} = (?)^2$, then the value of $(?)$ is:

Options :

1. ✖ 8

2. ✔ 6

3. ✖ 18

4. ✖ 12

Question Number : 6 Question Id : 302616206 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

$\sqrt{\dfrac{?}{3136}} = \dfrac{1}{2}$ Find the value of ?

Options :

1. ✔ 784

2. ✖ 56

3. ✖ 28

4. ✖ 1568

Question Number : 7 Question Id : 302616207 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Shalini, Tanvir and Rashid shared a cake. Shalini had $\frac{1}{6}$ of it, Tanvir had $\frac{1}{4}$ of it and Rashid had the rest. What was Rashid's share of the cake?

Options :

1. ✖ $\dfrac{13}{15}$

2. ✔ $\dfrac{7}{12}$

3. ✖ $\dfrac{5}{6}$

4. ✖ $\dfrac{3}{5}$

Question Number : 8 Question Id : 302616208 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If $\sqrt{50} + \sqrt{128} = \sqrt{N}$, what is the value of N?

Options :

1. ✖ 26

2. ✖ 182

3. ✔ 338

4. ✖ 390

Question Number : 9 Question Id : 302616209 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In a company, 12 employees can make 111 candles in the given time. How many people are to be employed to make 148 candles in the same time?

Options :

1. ✖ 12 people

2. ✖ 10 people

3. ✔ 16 people

4. ✖ 18 people

Question Number : 10 Question Id : 302616210 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If $5 : 9 :: x : 27$, then $x = ?$

Options :

1. ✖ 3

2. ✔ 15

3. ✖ 18

4. ✖ 6

Question Number : 11 Question Id : 302616211 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A man sold two bicycles at a total profit of 20 % . If he had bought them for ₹ 3,500 each and sold the first one at a profit of 5 % , then for how much profit (%) he must make on the other one?

Options :

1. ✖ 20%

2. ✖ 25%

3. ✖ 30%

4. ✔ 35%

Question Number : 12 Question Id : 302616212 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The cost prices of two items are ₹ 200 and ₹ 600. A shopkeeper gets a profit of ₹ 300 by selling both. If the shopkeeper sells the first item at a 30% profit, then at what profit does he sell the second item?

Options :

1. ✖ 50%

2. ✖ 30%

3. ✔ 40%

4. ✖ 20%

Question Number : 13 Question Id : 302616213 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Distribute ₹ 400 among 6 men, 12 women and 17 boys in such a way that 2 men get equal amount as 5 boys and 2 women get equal amount as 3 boys. How much money was given to one man, one woman and one boy?

Options :

1. ✖ ₹45

2. ✔ ₹40

3. ✖ ₹50

4. ✖ ₹38

Question Number : 14 Question Id : 302616214 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Divide ₹ 6600 into two parts so that the simple interest on the first part for 3 years at 10% per annum is equal to the simple interest on the second part for 4 years at 9% per annum.

Options :

1. ✔ ₹ 3600, ₹ 3000

2. ✖ ₹ 4000, ₹ 2600

3. ✖ ₹ 5000, ₹ 1600

4. ✖ ₹ 6000, ₹ 600

**Question Number : 15 Question Id : 302616215 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

A train overtakes two persons who are walking in the same direction of train movement at the rate of 2 km/h and 4 km/h and passes them completely in 9 and 10 second respectively. Find the speed and the length of the train.

Options :

1. ✔ 22 km/h, 50 m

2. ✖ 32 km/h, 50 m

3. ✖ 22 km/h, 80 m

4. ✖ 32 km/h, 80 m

**Question Number : 16 Question Id : 302616216 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

36% of 325 is:

Options :

1. ✖ 128

2. ✖ 108

3. ✖ 144

4. ✔ 117

**Question Number : 17 Question Id : 302616217 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Let V be the volume of a cube. If its edge is doubled then its volume becomes:

Options :

1. ✔ 8V

2. ✖ 4V

3. ✖ 2V

4. ✖ 3V

Question Number : 18 Question Id : 302616218 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Find the number that is 30% more than 240.

Options :

1. ✔ 312

2. ✖ 320

3. ✖ 331

4. ✖ 340

Question Number : 19 Question Id : 302616219 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

A tank can be filled by two taps A and B in 8 hours and 10 hours, respectively. The full tank can be emptied by a third tap in 12 hours. If all the taps are turned on at the same time, in how much time (in approximate number of hours) will the empty tank be filled completely?

Options :

1. ✔ 7

2. ✖ 8

3. ✖ 9

4. ✖ 10

Question Number : 20 Question Id : 302616220 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

A father told his son, "My age at the time of your birth was equal to your present age". If the father's present age is 40 years, what was the son's age 5 years ago?

Options :

1. ✔ 15 years

2. ✖ 13 years

3. ✖ 23 years

4. ✖ 17 years

Question Number : 21 Question Id : 302616221 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

The area of the circumcircle of a right angle triangle whose sides are given as 8 cm, $4\sqrt{5}$ cm and 12 cm, is given by _____.

Options :

1. ✖ $9\pi \, cm^2$

2. ✖ $18\pi \, cm^2$

3. ✔ $36\pi \, cm^2$

4. ✖ $27\pi \, cm^2$

Question Number : 22 Question Id : 302616222 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The frequency distribution of the diameters (D) of 100 steel balls is given in the following list.

D (mm)	43	44	45	46	47	48
Nos.	13	15	22	21	16	14

Find the median of the diameters in mm.

Options :

1. ✖ 45.4

2. ✖ 45.6

3. ✖ 45.7

4. ✔ 45.5

Question Number : 23 Question Id : 302616223 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The lengths of the three sides of a triangle are given as 6 cm, 11 cm and 13 cm. The ratio of their corresponding altitudes to the opposite vertices will be

Options :

1. ✔ 143 : 78 : 66

2. ✖ 13 : 11 : 6

3. ✖ 66 : 143 : 78

4. ✖ 24 : 19 : 17

Question Number : 24 Question Id : 302616224 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What is the square root of $(x^2 + 4x + 4)(x^2 + 6x + 9)$?

Options :

1. ✔ $(x + 2)(x + 3)$

2. ✘ $(x + 2)(x + 4)$

3. ✘ $(x + 2)(2x + 3)$

4. ✘ $(2x + 3)(x + 3)$

Question Number : 25 Question Id : 302616225 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In a class of 40 students, the ratio of boys to girls is 7 : 3. The average marks of boys is 65 and that of girls is 72. What is the average marks of whole class?

Options :

1. ✘ 68.4

2. ✘ 68.3

3. ✔ 67.1

4. ✘ 68.2

Question Number : 26 Question Id : 302616226 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.
Hot : Warm :: Antique : _____

Options :

1. ✔ Old

2. ✘ Oldest

3. ✘ History

4. ✘ Years

Question Number : 27 Question Id : 302616227 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Complete the following analogy.

Big : Large :: Thin : ?

Options :

1. ✘ Weak

2. ✖ Skinny

3. ✔ Slim

4. ✖ Skelton

Question Number : 28 Question Id : 302616228 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In a code language, LIVE is written as OREV. What is the code for DEAD?

Options :

1. ✖ UVZU

2. ✖ GVZG

3. ✔ WVZW

4. ✖ XVZX

Question Number : 29 Question Id : 302616229 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 word on the same basis as the second word is related to the first word.
Enough : Contentment :: Feel : ?

Options :

1. ✔ Sense

2. ✖ Leave

3. ✖ React

4. ✖ Act

Question Number : 30 Question Id : 302616230 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Given below are three statements followed by two conclusions numbered I and II. You have to consider the statements to be true, even if they seem to be at variance from commonly known facts. Decide which of the conclusions follow/s from the statements.

Statements:
1) All blues are red.
2) No red is a green.
3) All greens are yellow.

Conclusions:
I) All blues being yellow is a possibility.
II) No blue is a yellow.

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

Options :

1. Only conclusion I follows

2. Only conclusion II follows

3. Both conclusions I and II follow

4. Neither conclusion I nor II follow

Question Number : 31 Question Id : 302616231 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

If in a certain code, SILK becomes QGJI, which word would be coded as VOTE be in that code?

Options :

1. ✖ TRCM

2. ✔ TMRC

3. ✖ RTCM

4. ✖ MTRC

Question Number : 32 Question Id : 302616232 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

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

Statement:
There is a practice of mass copying in colleges in few states which leads to the poor quality of students in higher education

Conclusions:
1. Government should take strict action against those colleges who indulge in mass copying
2. Mass copying process in the college should be deducted with vigilance squad and any incident must be reported to higher authorities

Options :

1. ✖ Only conclusion 1 follows

2. ✖ Only conclusion 2 follows

3. ✖ Either 1 or 2 follows

4. ✔ Both 1 and 2 follows

**Question Number : 33 Question Id : 302616233 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: Everybody loves the Indian costumes.
Assumptions:
    I.   Indian Costumes are the only available costumes
    II.   No other costumes are loved by anyone.

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 : 34 Question Id : 302616234 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Read the given statement and choose which argument is strong.

Question:
Should the government stop giving permission for the setup of new industries?
Arguments:
    I.   Yes, new industries create environmental pollution.
    II.   No, new industries will improve employment and help economic growth of the country.

Options :

1. ✖ Only argument I is strong

2. ✔ Only argument II is strong

3. ✖ Neither argument I nor II is strong

4. ✖ Either argument I or II is strong

**Question Number : 35 Question Id : 302616235 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Consider the statement and the following arguments and decide which of the arguments is/are strong with respect to the statement.
Statement:
We should practise walking with barefoot on the grass as it helps to balance the body's energies.
Arguments:
    I.   Yes, walking on the grass keeps us rooted and connected to the earth energies and helps to maintain better health
    II.   No, there are many other ways to gain health.

Options :

1. ✔ Only argument I is strong

2. ✖ Only argument II is strong

3. ✖ Both arguments I and II are strong

4. ✖ Neither I nor II is strong

Question Number : 36 Question Id : 302616236 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
110, 89, 70, 53, 38, ?

Options :

1. ✖ 20

2. ✔ 25

3. ✖ 34

4. ✖ 28

Question Number : 37 Question Id : 302616237 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

ABCDEFGHIJKLMNOPQRSTUVWXYZ.
The 5th letter to the left of 9th letter from right is:

Options :

1. ✔ M

2. ✖ L

3. ✖ N

4. ✖ K

Question Number : 38 Question Id : 302616238 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If a steel rod of length $40\frac{3}{5}$ is cut into three equal pieces, then the length of each piece is:

Options :

1. ✖ $13\frac{9}{15}$

2. ✖ $13\frac{10}{15}$

3. ✖ $13\frac{7}{15}$

4. ✔ $13\frac{8}{15}$

Question Number : 39 Question Id : 302616239 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In below options, three words are similar in some context and one word is different. Choose the word which is different from the rest.

Options :

1. ✖ Paper

2. ✖ Wool

3. ✖ Wood

4. ✔ Plastic

Question Number : 40 Question Id : 302616240 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:
Which rod is the lengthiest among T1, T2 and T3?

Statements:
1. T2 is lengthier than T1 and T3.
2. T2 is a wrought iron rod.

Options :

1. ✔ Statement 1 alone is sufficient.

2. ✖ Statements 1 and 2 together are insufficient.

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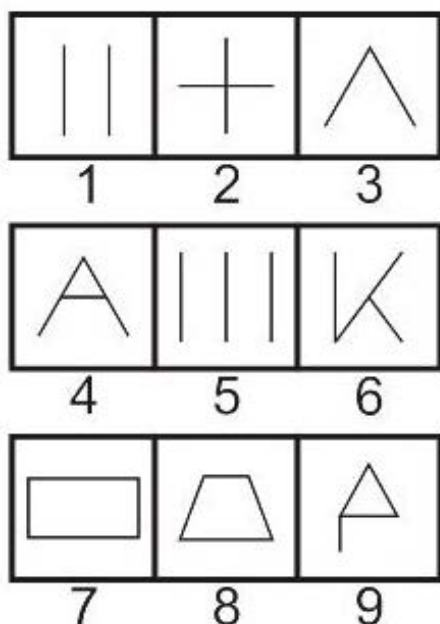
4. ✖ Statements 1 and 2 together are sufficient.

Question Number : 41 Question Id : 302616241 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical
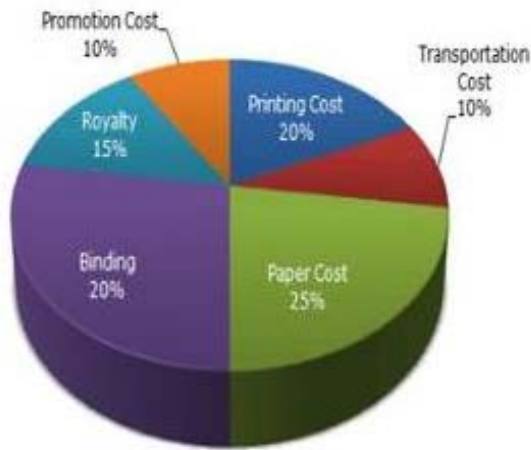
The pie graph represents the expenditure of a publishing house in Karnataka.
If the total expenditure is ₹ 50,000, then the binding cost is:

Options :

1. ✖ ₹ 12500

2. ✔ ₹ 10000

3. ✖ ₹ 7500

4. ✖ ₹ 5000

**Question Number : 42 Question Id : 302616242 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

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

Question:
How many students in a class play cricket?
Statements:
I. There are 32 boys and 28 girls in the class.
II. Only boys play cricket.

Options :

1. ✖ Data in I alone is sufficient

2. ✖ Data in II alone is sufficient

3. ✖ Data either in I alone or II alone is sufficient

4. ✔ Data in both I and II together is not sufficient

**Question Number : 43 Question Id : 302616243 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Last year, Mani's Corner invested ₹ 1,00,000 on Shop 1 and ₹ 1,50,000 on Shop 2 to change furniture. They retrieved the expense in the next three quarters: quarter 1 - 20%, quarter 2 - 55%. What was the amount (in ₹) that was retrieved in quarter 3?

Options :

1. ✖ 60,500

2. ✖ 70,000

3. ✖ 62,600

4. ✔ 62,500

Question Number : 44 Question Id : 302616244 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The figures that are similar in the above group is?

Options :

1. ✖ 1, 2, 3 ; 5, 6, 8 ; 4, 7, 9

2. ✔ 1, 3, 2 ; 5, 6, 4 ; 8, 7, 9

3. ✖ 1, 2, 8 ; 5, 6, 3 ; 4, 7, 9

4. ✖ 1, 2, 5 ; 8, 6, 4 ; 2, 7, 9

Question Number : 45 Question Id : 302616245 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Select the answer figure which is embedded in the given problem figure.

Problem figure:
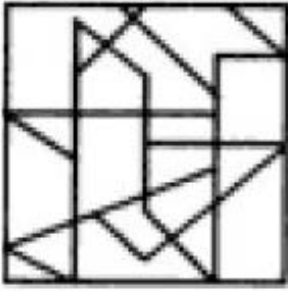
Answer figures:

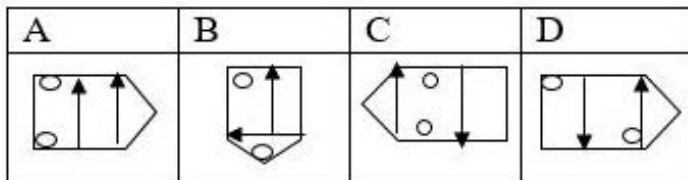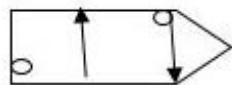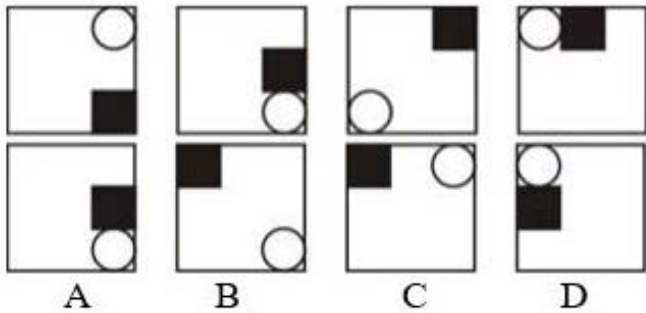| A | B | C | D |

Options :

1. ✖ A

2. ✖ B

3. ✖ C

4. ✔ D
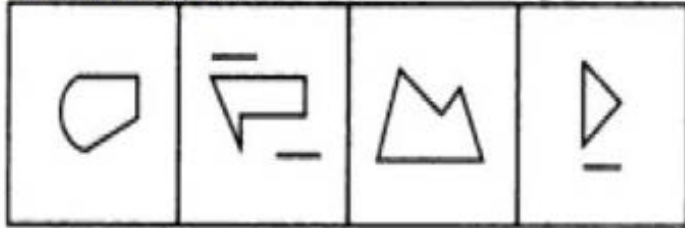
Question Number : 46 Question Id : 302616246 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the options bears the closest resemblance to the following figure?

| A | B | C | D |

Options :

1. ✖ A

2. ✖ B

3. ✖ C

4. ✔ D

Question Number : 47 Question Id : 302616247 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Choose the correct picture which will follow in the sequence of the given four pictures.

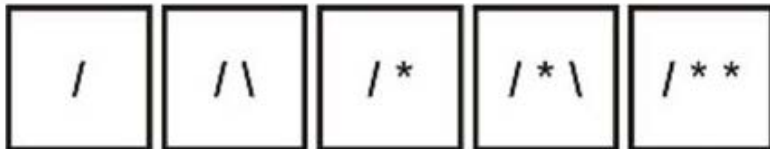A   B   C   D
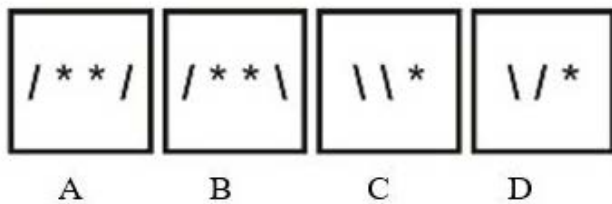
Options :

1. ✖ A

2. ✖ B

3. ✔ C

4. ✖ D

Question Number : 48 Question Id : 302616248 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Choose the correct picture from the below options which comes next in the sequence of the above five pictures.

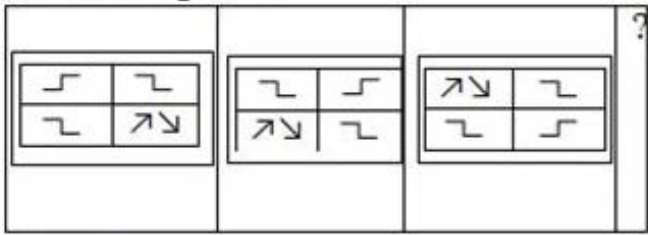A   B   C   D

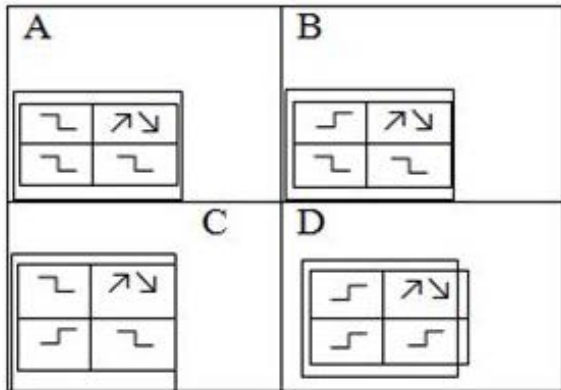Options :

1. ✖ A

2. ✔ B

3. ✖ C

4. ✖ D

Question Number : 49 Question Id : 302616249 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Select the option figure that will complete the series of question figures.
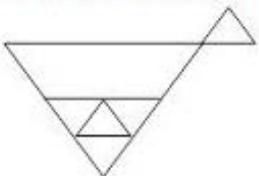
Question figures:

Option Figures:

Options :

1. ✖ A

2. ✖ B

3. ✔ C

4. ✖ D

Question Number : 50 Question Id : 302616250 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the number of triangles in the figure

Options :

1. ✖ 5

2. ✖ 6

3. ✔ 7

4. ✘ 8

Question Number : 51 Question Id : 302616251 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical
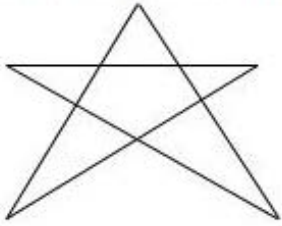
Find the number of triangles in the following figure.

Options :

1. ✘ 6

2. ✔ 10

3. ✘ 11

4. ✘ 9

Question Number : 52 Question Id : 302616252 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A vendor sells three fragrances of scented candles. 20 customers bought rose scent, 40 bought cinnamon and 30 bought lemongrass. 6 bought all the three fragrances. 20 bought at least two of them. How many have bought exactly one fragrance?
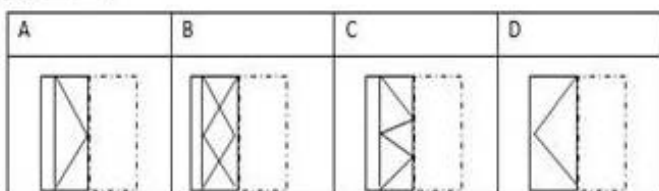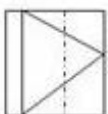
Options :

1. ✘ 34

2. ✘ 42

3. ✘ 43

4. ✔ 44

Question Number : 53 Question Id : 302616253 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which pattern will the given transparent sheet resemble when it is folded at the dotted line?

Options :

1. ✖ A

2. ✖ B

3. ✔ C

4. ✖ D

Question Number : 54 Question Id : 302616254 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Sandhya & Ramani were facing east direction. Sandhya turns 45°Anti Clock wise & then 135° Clock wise direction. How much turns Ramani would have to take to face opposite to Sandhya?

Options :

1. ✖ 180° Anti Clockwise

2. ✖ 180° Clockwise

3. ✔ 90° Anti Clockwise

4. ✖ 135° Anti Clockwise

Question Number : 55 Question Id : 302616255 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Choose the mirror image for the following figure:

Options :

1. ✔ A

2. ✖ B

3. ✖ C

4. ✖ D

Question Number : 56 Question Id : 302616256 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

.

Acceleration due to gravity g = _____.

Options :

1. ✔ GM / R^2

2. ✗ MR^2 / G

3. ✗ G / MR^2

4. ✗ GMR^2

Question Number : 57 Question Id : 302616257 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical
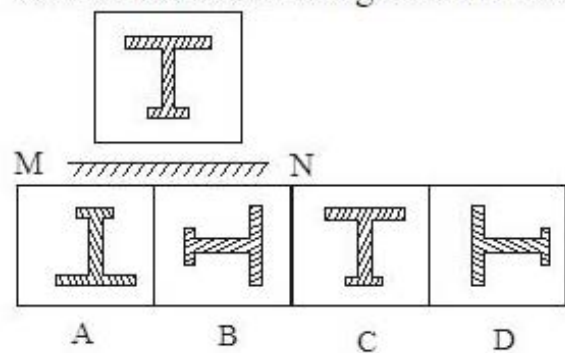
The acceleration of a rocket at any instant is proportional to the nth power of the velocity of the expelled gases, where the value of n must be:

Options :

1. ✗ -1

2. ✔ 1

3. ✗ 2

4. ✗ -2

Question Number : 58 Question Id : 302616258 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Motion of a boy, sitting on a swing, is _____.

Options :

1. ✔ periodic

2. ✗ non- uniform

3. ✗ uniform

4. ✗ circular

Question Number : 59 Question Id : 302616259 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following statements is true?
   A. The value of 'g' at Mount Everest is >g.
   B. The value of 'g' at Mount Everest is <g.
   C. A ball thrown up vertically returns to the ground after 15 second. Its velocity is 75m/s.
   D. A ball thrown up vertically returns to the ground after 15 second. Its velocity is 150m/s.

Options :

1. ✖ Only statement B is true

2. ✖ Only statement D is true

3. ✔ Statements B and C are true

4. ✖ Statements B and D are true

Question Number : 60 Question Id : 302616260 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What is the amount of work done when a body moves under a force of 10 N at a distance of 10 m in the direction of the force?

Options :

1. ✖ 0.01 J

2. ✖ 10 J

3. ✖ 1 J

4. ✔ 100 J

Question Number : 61 Question Id : 302616261 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Find the energy possessed by an object of mass 10 kg when it is at a height of 6 m above the ground. Given, $g = 9.8 \text{ m s}^{-2}$

Options :

1. ✖ 578 J

2. ✖ 578 W

3. ✖ 588 W

4. ✔ 588 J

Question Number : 62 Question Id : 302616262 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following examples are of potential energy?
  a. A brick lying on the roof of a house.

  b. The spring of a watch when wound up.

  c. The compressed spring.

  d. Water stored up in elevated reservoir in water-supply system

Options :

1. ✖ a, b and c

2. ✔ a, b, c, d

3. ✖ c, d

4. ✖ a, d

Question Number : 63 Question Id : 302616263 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In which of the following is the velocity of sound is maximum at 25 °C?

Options :

1. ✖ Brass

2. ✖ Iron

3. ✔ Aluminium

4. ✖ Steel

Question Number : 64 Question Id : 302616264 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In a Concave mirror, where should the Object be placed to get a real, inverted and diminished image between C and F?

Options :

1. ✖ At C

2. ✔ Beyond C

3. ✖ Between F and C

4. ✖ Between F and P

Question Number : 65 Question Id : 302616265 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The SI unit of resistance is:

Options :

1. ✖ Volt

2. ✖ Ampere

3. ✔ Ohms

4. ✖ Coulomb

Question Number : 66 Question Id : 302616266 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The potential difference between the terminals of an electric heater is 60 V when it draws a current of 4 A from the source. What current will the heater draw if the potential difference is increased to 150 V?

Options :

1. ✖ 24 A

2. ✖ 12 A

3. ✖ 8.5 A

4. ✔ 10 A

Question Number : 67 Question Id : 302616267 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

How many moles are present in 54 g of He?

Options :

1. ✖ 10 moles

2. ✔ 13.5 moles

3. ✖ 12 moles

4. ✖ 25 moles

Question Number : 68 Question Id : 302616268 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

How many atoms are present in a molecule of $Ca(OH)_2$?

Options :

1. ✖ 4

2. ✔ 5

3. ✖ 6

4. ✖ 7

Question Number : 69 Question Id : 302616269 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following is NOT a unit that measures temperature?

Options :

1. ✖ Kelvin

2. ✖ Celsius

3. ✖ Fahrenheit

4. ✔ Pascal

Question Number : 70 Question Id : 302616270 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following is used as an antacid?

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

Options :

1. Lithium hydroxide

2. Magnesium hydroxide

3. Sodium hydroxide

4. Aluminium hydroxide

Question Number : 71 Question Id : 302616271 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which one is NOT true of acid?

Options :

1. ✖ Furnishes H^+ in aqueous medium/molten state.

2. ✖ Sour in taste

3. ✔ Conducts electricity in aqueous or molten state

4. ✘ Reacts with metals and bicarbonates to produce H_2O, CO_2 and salt.

Question Number : 72 Question Id : 302616272 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The boiling point of ethanol is:

Options :

1. ✔ 78° C

2. ✘ 108° C

3. ✘ 58° C

4. ✘ 98° C

Question Number : 73 Question Id : 302616273 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Alkenes, unsaturated hydrocarbon containing a double bond between two carbon atoms, have a general formula, which is:

Options :

1. ✘ C_nH_{2n+2}

2. ✘ C_nH_{2n+1}

3. ✔ C_nH_{2n}

4. ✘ C_nH_{2n-1}

Question Number : 74 Question Id : 302616274 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

D block elements are found in:

Options :

1. ✔ between 2nd to 13(3-12)

2. ✘ only 18th group

3. ✘ only 8th group element

4. ✖ 9th group element

Question Number : 75 Question Id : 302616275 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The electronic configuration of an element is $1s^2\ 2s^2\ 2p^6 3s^2\ 3p^3$. What is the atomic number of the element that is just below the above element in the periodic table?

Options :

1. ✔ 33

2. ✖ 34

3. ✖ 31

4. ✖ 39

Question Number : 76 Question Id : 302616276 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In _____ tissue, the cells are living, elongated and irregularly thickened at the corners

Options :

1. ✖ Parenchyma

2. ✖ Sclerenchyma

3. ✔ Collenchyma

4. ✖ Aerenchyma

Question Number : 77 Question Id : 302616277 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In which of the following class, animals lack scales and have mucus glands in the skin?

Options :

1. ✖ Pisces

2. ✖ Reptiles

3. ✔ Amphibia

4. ✖ Aves

Question Number : 78 Question Id : 302616278 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The walls of the ventricles are _____ than atrial walls.

Options :

1. ✔ thicker

2. ✖ thinner

3. ✖ smaller

4. ✖ larger

Question Number : 79 Question Id : 302616279 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following can reproduce by regeneration as well as budding?

Options :

1. ✖ Amoeba

2. ✔ Hydra

3. ✖ Plasmodium

4. ✖ Yeast

Question Number : 80 Question Id : 302616280 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

_____ brings about the changes in appearance seen in boys at the time of puberty.

Options :

1. ✖ Adrenaline

2. ✖ Oestrogen

3. ✔ Testosterone

4. ✖ Prolactin

Question Number : 81 Question Id : 302616281 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The first football club of the world, which was founded in the year 1857 in England was_____.

Options :

1. ✖ Manchester United Football Club

2. ✔ Sheffield Football Club

3. ✖ Huddersfield Football Club

4. ✖ Chelsea Football Club

Question Number : 82 Question Id : 302616282 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Padma Vibhushan was awarded to Vishwanathan Anand in the year _____.

Options :

1. ✖ 2003

2. ✔ 2007

3. ✖ 2005

4. ✖ 2008

Question Number : 83 Question Id : 302616283 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The 'Bandodkar Gold Trophy' is associated with the game of _____.

Options :

1. ✖ Tennis

2. ✖ Golf

3. ✖ Kho-kho

4. ✔ Football

Question Number : 84 Question Id : 302616284 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

_____ is referred to as Shata Tantri Veena in Sanskrit text and has 72 strings.

Options :

1. ✖ Tambourine

2. ✖ Sarood

3. ✔ Santoor

4. ✖ Sitar

**Question Number : 85 Question Id : 302616285 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Who is the author of 'Pashmina', a moving tale of an Indian American girl?

Options :

1. ✗ Roshani Chokshi

2. ✗ Aditi Khorana

3. ✗ Diksha Basu

4. ✓ Nidhi Chanani

**Question Number : 86 Question Id : 302616286 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Which film has won the Global Sustainability film for India in London, 2018?

Options :

1. ✗ Pink

2. ✗ Queen

3. ✗ Neerja

4. ✓ Lipstick Under My Burkha

**Question Number : 87 Question Id : 302616287 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Who is the 35th Governor of Bihar?

Options :

1. ✗ Devanand Konwar

2. ✗ D.Y. Patil

3. ✗ Ram Nath Kovind

4. ✓ Satya Pal Mailk

**Question Number : 88 Question Id : 302616288 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

As of August 2018, who is the current Chairman and Managing Director of Air India?

Options :

1. ✖ Ajay Singh

2. ✔ Pradeep Singh Kharola

3. ✖ Kalanithi Maran

4. ✖ Aditya Ghosh

Question Number : 89 Question Id : 302616289 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

When is the National Army Day celebrated in India?

Options :

1. ✔ January 15th

2. ✖ July 15th

3. ✖ November 12th

4. ✖ December 12th

Question Number : 90 Question Id : 302616290 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The Higher and Technical Education Minister for the state of Maharashtra is _____.

Options :

1. ✖ Pankaja Munde

2. ✖ Chandrakant Patil

3. ✔ Vinod Tawde

4. ✖ Prakash Mehta

Question Number : 91 Question Id : 302616291 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who is the first woman President of India?

Options :

1. ✖ Indira Gandhi

2. ✔ Pratibha Patil

3. ✖ Smita Patil

4. ✖ Prerana Patil

Question Number : 92 Question Id : 302616292 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which political party is led by Pu Zoramthanga?

Options :

1. ✖ National People's Party

2. ✖ Naga People's Front

3. ✖ Mizoram People's Conference

4. ✔ Mizo National Front

Question Number : 93 Question Id : 302616293 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

As of June 2018, which political party is in power in Karnataka?

Options :

1. ✖ BJP

2. ✔ Congress and JD (S) alliance

3. ✖ CPM

4. ✖ Only JD (S)

Question Number : 94 Question Id : 302616294 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

_____, who took over as Governor- General in 1848, devised a policy called the 'Doctrine of Lapse'.

Options :

1. ✖ Lord Wellesley

2. ✔ Lord Dalhousie

3. ✖ Lord William

4. ✖ Lord Cornwallis

Question Number : 95 Question Id : 302616295 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Nicolo Conti visited Vijayanagara in _____ AD during the reign of Devaraya II.

Options :

1. ✖ 1418

2. ✖ 1424

3. ✔ 1420

4. ✖ 1419

Question Number : 96 Question Id : 302616296 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Where is Manjeera Crocodile Wildlife Sanctuary situated?

Options :

1. ✖ Kerala

2. ✖ Tamil Nadu

3. ✖ Odisha

4. ✔ Telangana

Question Number : 97 Question Id : 302616297 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

_____ is a holy town located in the state of Maharashtra in India.

Options :

1. ✖ Rajgir

2. ✖ Somnath

3. ✔ Shiridi

4. ✖ Kushinagar

Question Number : 98 Question Id : 302616298 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Who is the present (as of July 2018) Union Minister of Environment & Climate Change?

Options :

1. ✔ Dr.Harshvardhan

2. ✖ Prakash Jawadekar

3. ✖ Rajnath Singh

4. ✖ V.K.Singh

Question Number : 99 Question Id : 302616299 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Government of India has how much share in NABARD?

Options :

1. ✖ 50%

2. ✔ 99%

3. ✖ 75%

4. ✖ 85%

Question Number : 100 Question Id : 302616300 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The first Indian State to launch the Single Women Pension Scheme is_____.

Options :

1. ✖ Maharashtra

2. ✔ Telangana

3. ✖ Delhi

4. ✖ Gujrat