**Q - 1**

**Question Type : Multiple Choice Question**

A polygon has 77 diagonals. Determine the number of sides?

**Options**

 14.

Correct Answer

 12.

 15.

 17.

**Q - 2**

**Question Type : Multiple Choice Question**

In an examination, a candidate is required to pass all five different subjects. The number of ways he can fail is:

**Options**

 30.

 29.

 31.

Correct Answer

 32.

**Q - 3**

**Question Type : Multiple Choice Question**

After the typist writes 12 letters and addresses 12 envelopes, she inserts the letters randomly into the envelopes (1 letter per envelope). What is the probability that exactly 1 letter is inserted in an improper envelope?

**Options**

 11/12.

 1/12.

 1/6.

 0.

Correct Answer

**Q - 4**

**Question Type : Multiple Choice Question**

In a horse racing competition there were 18 numbered 1 to 18.the organisers assigned a probability of winning the race to each horse such that horse 1 would  win is 1/7,for horse 2 it is 1/8 and for horse 3 it is 1/8.Assuming that tie is not possible. Find chance that one of these three will win the race?

**Options**

 19/ 32.

 17/ 32.

 19/ 64.

Correct Answer

 17/ 64.

**Q - 5**

**Question Type : Multiple Choice Question**

Read the question carefully and answer the following question.

In how many ways team of four can be formed from four boys and three girls such that atleast one boy and one girl should be there?

**Options**

 32

 36

 35

Correct Answer

 34

**Q - 6**

**Question Type : Multiple Choice Question**

What number can replace questions mark which follows the given logic   19 :37 :: ? : 53

**Options**

 47

 43

 31`

 41

Correct Answer

**Q - 7**

**Question Type : Multiple Choice Question**

In a batch of 96 trainees, if the ratio of boys and girls is 7 : 5.The number of girls in the batch is \_\_\_\_\_\_\_.

**Note**:The answer should be a numberic value of format 99.

**Options**

 41

 45

 40

Correct Answer

 23

**Q - 8**

**Question Type : Multiple Choice Question**

In how many different ways can the letters of the word 'TRADING' be arranged such that the vowels should always come together?

**Options**

 360

 720

 5040

 1440

Correct Answer

**Q - 9**

**Question Type : Multiple Choice Question**

What is the missing term in the sequence: 1,8,25,49, \_\_,121

**Options**

 64

 56

 81

Correct Answer

 100

**Q - 10**

**Question Type : Multiple Choice Question**

A container contains a mixture of two miscible (Cannot tell the difference between liquids when mixed) liquids A and B in the ratio of 5 : 7 . After withdrawing 24 Litres of the mixture from the container, same volume of liquid B was replaced. This makes change in the ratio of A and B in the container as 1:2. What was the initial volume of liquid A in the container?

**Options**

 55 litres.

 65 litres.

 70 litres

 50 litres.

##### Q - 1

##### Question Type : Multiple Choice Question

All kings, jacks, diamonds have been removed from a pack of 52 playing cards and the remaining cards are well shued. A card is drawn from the remaining pack. Find the probability that the card drawn is a red queen?

##### Options

 1/33

Correct Answer

 5/33

 7/31

 6/31

##### Q - 2

##### Question Type : Multiple Choice Question

Scenario:

1.6 boys are sitting in a circle and facing towards the centre of the circle.

2.Rajeev is sitting to the right of mohan ,but he is not to the left of vijay.

3.Suresh is between Babu and Vijay.

4.Ajay is sitting to left of vijay .

If Rajeev is the starting point and the circle is traversed counterclockwise which pair will come in the mid?

##### Options

 Vijay and Mohan

 Rajeev and mohan

 Ajay and Babu

 Vijay and Suresh

Correct Answer

##### Q - 3

##### Question Type : Multiple Choice Question

scenario:

1.6 boys are sitting in a circle and facing towards the centre of the circle.

2.Rajeev is sitting to the right of mohan,but he is not to the left of vijay.

3. Suresh is between Babu and Vijay .

4.Ajay is sitting to left of vijay .

Who is sitting right of vijay?

##### Options

 Rajeev

 Babu

 Ajay

 Suresh

Correct Answer

##### Q - 4

##### Question Type : Multiple Choice Question

What is the probability of drawing 2 spades from a well shuffled pack of 52 cards?

##### Options

 13 is to 17

 1 is to 17

Correct Answer

 1 is to 26

 13 is to 51

##### Q - 5

##### Question Type : Multiple Choice Question

Which will be the 7 th letter at the right from the 11th letter from the left, when the letters of English alphabet are written in reverse order?

##### Options

 I

Correct Answer

 H

 J

 R

##### Q - 6

##### Question Type : Multiple Choice Question

Scenario:

1.6 boys are sitting in a circle and facing towards the centre of the circle.

2.Rajeev is sitting to the right of mohan,but he is not to the left of vijay.

3.Suresh is between Babu and Vijay.

4.Ajay is sitting to left of vijay.

Who is sitting diagonally opposite to Rajeev?

##### Options

 Vijay

 Suresh

Correct Answer

 Babu

 Mohan

##### Q - 7

##### Question Type : Multiple Choice Question

Scenario:

1.6 boys are sitting in circle and facing towards the centre of the circle.

2.Rajeev is sitting to the right of mohan, but he is not to the left of vijay.

3.Suresh is between Babu and Vijay.

4.Ajay is sitting to left of vijay.

\_\_\_\_\_\_\_\_ is sitting opposite to Babu?

 (Note: Answer must be a single sitting in lowercase)

##### Options

 Suresh

 Ajay

Correct Answer

 Rajeev

 Vijay

##### Q - 8

##### Question Type : Multiple Choice Question

Scenario:

1.6 boys are sitting in circle and facing towards the centre of the circle.

2.Rajeev is sitting to the right of mohan, but he is not to the left of vijay.

3.Suresh is between Babu and Vijay.

4.Ajay is sitting to left of vijay.

Who is sitting to left of mohan?

##### Options

 Rajeev

 Babu

Correct Answer

 Vijay

 Ajay

##### Q - 9

##### Question Type : Multiple Choice Question

While travelling downstream from point X to point Y and coming back to a point Z which is the midway between point X and Y, a boat takes 21 hours .If the speed of the boat is 16 kmph and the velocity of the stream is 6 kmph, what is the distance between X and Y?

##### Options

 210 km

 180 km

 220 km

Correct Answer

 200 km

##### Q - 10

##### Question Type : Multiple Choice Question

The next term of the sequence :ZLATP,YNCRQ,XPEPR,WRGNS,\_\_\_\_\_

##### Options

 UVJKU

 UVKJU

 None of these

 VTILT

Correct Answer

**Q - 1**

**Question Type : Multiple Choice Question**

Find the next number in the series.

5, 25, 61,113, ...

**Options**

 181

Correct Answer

 212

 121

 241

**Q - 2**

**Question Type : Multiple Choice Question**

In a section of cinema hall , seats are arranged so that each row has the same number of seats. Abdul is seated in the 5 th row from the front and 3 rd row from the back. If his seat is 6 th from the left and 2nd from the right, how many seats are there in thissection?

**Options**

 45

 52

 55

 49

Correct Answer

**Q - 3**

**Question Type : Multiple Choice Question**

If there are 150 babies born every minute. How many babies share the same birth date world wide?

**Options**

 2,18,000

 2,25,000

 2,16,000

Correct Answer

 2,24,000

**Q - 4**

**Question Type : Multiple Choice Question**

2, 3, 7, 8, 13, 14, ?

**Options**

 18

 20

Correct Answer

 24

 21

**Q - 5**

**Question Type : Multiple Choice Question**

3,11,25,45,?

**Options**

 65

 75

 71

Correct Answer

 61

**Q - 6**

**Question Type : Multiple Choice Question**

 Find the next number: 8, 8, 15, 23, 38, \_\_\_

**Options**

 d. 69

 c. 52

 b. 57

 a. 61

Correct Answer

**Q - 7**

**Question Type : Multiple Choice Question**

15 tennis players take part in a tournament. every player plays twice with each of his opponents. how many games are to be played?

**Options**

 123

 210

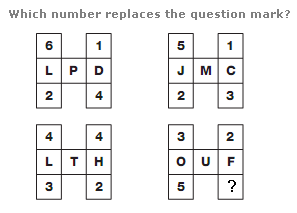
Correct Answer

 215

 250

**Q - 8**

**Question Type : Multiple Choice Question**



**Options**

 4.

 5.

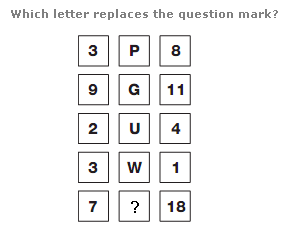
 2.

 3.

Correct Answer

**Q - 9**

**Question Type : Multiple Choice Question**



**Options**

 D.

 A.

 B.

Correct Answer

 C.

**Q - 10**

**Question Type : Multiple Choice Question**

A box contains 2 white balls, 3 black balls and 4 red balls. In how many ways can 3 balls be drawn from the box, if at least one black ball is to be included in the draw?

**Options**

 38.

 45.

 64.

Correct Answer

 42.

##### Q - 1

##### Question Type : Multiple Choice Question

1. Scenario:  
a.Eleven students A,B,C,D,E,F,G,H,I,J nad K are sitting in the  first line facing to the teacher  
b.D who is just to the left of F.is to the right of C at second place.  
c.A is second to the right of E who is at one end.  
d.J is the nearest neighbor of A and B and is third to the left of G.  
e.H is next to D to its left and is at third place to place to the right of I.  
Who is sitting 4th right of J?

##### Options

 h

 B

 C

 D

 A

##### Q - 2

##### Question Type : Multiple Choice Question

A, B, C, D, E, F, G and H are sitting in a circle. Some are facing centre and some are facing away from centre

1. B sits 3rd to the left of A. Only 3 person are sitting in between B and H
2. E sits immediate right of H
3. Immediate neighbours of E face opposite direction of each other
4. Only one person sits between E and D. G sits second to the right of D.
5. Both G and C face the same direction as H.
6. Immediate neighbours of F face opposite direction of each other
7. E does not face away
8. D face opposite direction of B

How many of them are facing the centre.

##### Options

 3

 2

 5

 4

Correct Answer

##### Q - 3

##### Question Type : Multiple Choice Question

Direction:Consider the below question followed by two statement  
What is the relation between Virat and Gopal?  
I.Virat's father is married to Rahul's sister who has one son.  
II.Karishma is the only daughter of Rahul's parents.

##### Options

 ⦁ The question can be answered with the help of any one statement but not both

 ⦁ The question can be answered with the help of both the statement together

 ⦁ The question cannot be answered with the help of information provide

 ⦁ The question can be answered with the help of either of the statement

Correct Answer

##### Q - 4

##### Question Type : Multiple Choice Question

 A, B, C, D, E, F, G and H are sitting in a circle. Some are facing centre and some are facing away from centre

1. B sits 3rd to the left of A. Only 3 person are sitting in between B and H
2. E sits immediate right of H
3. Immediate neighbours of E face opposite direction of each other
4. Only one person sits between E and D. G sits second to the right of D.
5. Both G and C face the same direction as H.
6. Immediate neighbours of F face opposite direction of each other
7. E does not face away
8. D face opposite direction of B

\_\_\_\_\_\_ is sitting opposite of C

Note: Answer must be an alphabet

##### Options

 F

 E

 A

Correct Answer

 C

Correct Answer

##### Q - 5

##### Question Type : Multiple Choice Question

Direction:In each of the question below, there are three statements followed by three conclusions numbered I, II, III. You have to take the three statements to be true even if they seem to be at variance with commonly known facts and then decide which of the following conclusion logically follows from the given statements disregarding commonly known facts.Read the conclusion and choose the correct answer.  
Some ropes are walls.  
Some walls are sticks.  
All sticks are chairs.  
All chairs are tables.  
Conclusion:  
I.Some tables are walls.  
II.Some chairrs are ropes.  
III.Some sticks are ropes

##### Options

 ⦁Only III follows

Correct Answer

 ⦁ Only I and II follw

 ⦁ Only I follows

 ⦁ Only II follows

##### Q - 6

##### Question Type : Multiple Choice Question

Direction:In each of the question below, there are three statements followed by three conclusions numbered I, II, III. You have to take the three statements to be true even if they seem to be at variance with commonly known facts and then decide which of the following conclusion logically follows from the given statements disregarding commonly known facts.Read the conclusion and choose the correct answer.  
A.Some shirts are pants  
B.Some pants are shoes.  
C.All shoes are shocks.  
D.All shocks are humans  
Conclusions:  
I.Some humans are shirts.  
II.Some shocks are shirts  
III.Some humans are shoes  
IV.Some shocks are pants

##### Options

 ⦁ Only III and IV follows

 ⦁ Only I,II and III follows

 ⦁ Only I,III and IV follows

Correct Answer

 ⦁ None of them

 ⦁ Only I and III follows

##### Q - 7

##### Question Type : Multiple Choice Question

 Consider the below question following by two statements A&B

What is the population of city X?

A. Ratio of males and females is 28:24 and difference between their populations is 40000

B.  The population of city x is 80% of city y. The difference of population between city x and city y is 225400

##### Options

 The question can be answered with the help of either of the statement.

 The question can answered with the help of any one statement but not both

Correct Answer

 The question cannot be answered with the information provided.

 The question can answered with the help of both statements together

##### Q - 8

##### Question Type : Multiple Choice Question

Depending upon the following conclusion,which combination of statement follow conclusion?  
Conclusion:  
Some homes are floors is a possiblityand some ships are not cities.  
Statements:  
1.All flors are antenna, All Antenna are ships,No Antenna is city,No hospital is ship.  
2.Some floors are Antenna,All Antenna are ships,Some Antenna is city,No hospital is ship.  
3.All flors are antenna, All Antenna are ships,No Antenna is city,All homes is ship  
4.All flors are antenna, All Antenna are ships,No hospital  floor,No hospital is ship  
5.Some floors are Antenna,All Antenna are ships,No Antenna is city,No hospital is ship

##### Options

 ⦁ 2 and 3 follows

 ⦁ 4 and 5 follows

 ⦁ 5 and 1 follows

 ⦁ 3 and 5 follows

 ⦁ 1 and 2 follows

Correct Answer

##### Q - 9

##### Question Type : Multiple Choice Question

Find the next number in the series?

8, 24, 12, 36, 18, 54\_\_\_\_\_

Note:The answer should be a numeric value in the format 99

##### Options

 35

 37

 27

Correct Answer

 26

##### Q - 10

##### Question Type : Multiple Choice Question

In the following series a wrong number is given. Find out the wrong number  3, 10, 35, 172, 885, 5346, 37471

##### Options

 10.0

 885.0

 5346.0

 35.0

Correct Answer

**Q - 1**

**Question Type : Multiple Choice Question**

A shopkeeper offers ‘Buy 1 Get I Free' offer on a t shirt marked   at Rs. 2,400 .If after a sale, the shopkeeper earns a profit of 33.33%, then what is the actual price of the t-shirt?

**Options**

 Rs.900

Correct Answer

 Rs.1,000

 Rs.1,200

 Rs.800

**Q - 2**

**Question Type : Multiple Choice Question**

If a dice is rolled 2 times, what is the probability of getting a number 3 or 4?

**Options**

 6/ 36.

 1/ 9.

Correct Answer

 1/ 12.

 5/ 36

**Q - 3**

**Question Type : Multiple Choice Question**

There is a toy gun that made 10 musical sounds. It makes 2 musical sounds after being defective. What is the probability that same musical sound would be produced 5 times consecutively?

**Options**

 1/32.

Correct Answer

 1/40.

 2/30.

 1/9.

**Q - 4**

**Question Type : Multiple Choice Question**

Find the total number of combinations of 5 letters a,b,a,b,b taking some or all at a time?

**Options**

 None Of these.

 11.

Correct Answer

 18.

 12.

**Q - 5**

**Question Type : Multiple Choice Question**

3 persons are standing at the middle of edges of a Triangle. All the 3 persons starts moving at same time with same  speed in random direction what is the  probability of meeting at least 2 persons?

**Options**

 1/3

 1

 2/3

 3/4

Correct Answer

**Q - 6**

**Question Type : Multiple Choice Question**

A class photograph has to be taken. The front row consists of 6 girls who are sitting. 20 boys are standing behind. The two corner positions are  
reserved for the 2 tallest boys. In how many ways can the students be arranged?

**Options**

 18! \*1440

Correct Answer

 6! x1440

 18! x 2! \*1440

 none of these

**Q - 7**

**Question Type : Multiple Choice Question**

Raj invested Rs 76000 in a business. After few months Monty joined him and invests Rs 57000. At the end of year both of them share the profits

at the ratio of 2:1. After how many months did Monty joined?

**Options**

 6

 5

 3

 4

Correct Answer

**Q - 8**

**Question Type : Multiple Choice Question**

A, B, C subscribe Rs. 50,000 for a business. A subscribes Rs. 4000 more than B and B Rs 5000 more than C out of total profit of Rs 35000, A receives

**Options**

 Rs. 13600

Correct Answer

 Rs. 14700

 Rs. 8400

 Rs. 11900

**Q - 9**

**Question Type : Multiple Choice Question**

In how many ways can the letters of the word NUMISMATIST  be arranged so that vowels always come together?

**Options**

 40320

 120960

Correct Answer

 30420

 60840

**Q - 10**

**Question Type : Multiple Choice Question**

carpenter bought a new axe which can cut any number of wooden sticks at one time. He is given a stick of length 50 units and asked to make a total of 50 equal sticks out of it. What will be the minimum number of cuts required to fulfil the situation?

**Options**

 6.0

 8.0

 9.0

Correct Answer

 7.0