

Maveric Systems Model Placement Paper**Numerical Aptitude:-**

1) In each of the following questions a number series is given with one term missing. Choose the correct alternative that will continue the same pattern and fill in the blank spaces.

2, 7, 14, 23, ?, 47

- A. 31
- B. 28
- C. 34
- D. 38

2) 4, 6, 12, 14, 28, 30, ?

- A. 32
- B. 64
- C. 62
- D. 60

3) A man walks at 5kmph for 6hr and at 4km/h for 12hr. His average speed is

- A. $4\frac{1}{3}$ km/h
- B. $7\frac{2}{3}$ km/h
- C. $9\frac{1}{2}$ km/h
- D. 8 km/h

4) A man can cover a distance in 1hr 24min by covering $\frac{2}{3}$ of the distance at 4 km/h and the rest at 5km/h. The total distance is

- A. 5km
- B. 6km
- C. 7km
- D. 8km

5) A man sitting in a train which is traveling at 50 kmph observes that a goods train, traveling in opposite direction, takes 9 seconds to pass him. If the goods train is 280 m long, find its speed.?

- A. 50 kmph
- B. 58 kmph
- C. 62 kmph
- D. 65 kmph

6) A train 220 m long is running with a speed of 59 kmph. In what time will it pass a man who is running at 7 kmph in the direction opposite to that in which the train is going?

- A. 7 sec
- B. 8 sec
- C. 10 sec
- D. 12 sec

7) If 5 women or 8 girls can do a work in 84 days. In how many days can 10 women and 5 girls can do the same

work?

- A. 32 days
- B. 48 days
- C. 52 days
- D. 38 days

8) If 34 men completed $\frac{2}{5}$ th of a work in 8 days working 9 hours a day. How many more man should be engaged to finish the rest of the work in 6 days working 9 hours a day?

- A. 89
- B. 98
- C. 102
- D. 142

9) If 30% of a number is 12.6, find the number?

- A. 45
- B. 38
- C. 40
- D. 42

10) What number must be added to 6, 16 and 8 to get an average of 13?

- A. 22
- B. 25
- C. 20
- D. 18

11) 10 cats caught 10 rats in 10 seconds. How many cats are required to catch 100 rats in 100 seconds

- A. 100
- B. 10
- C. 20
- D. 50

12) A man wants to reach a window which is 40 feet above the ground. The distance from the foot of the ladder to the wall is 9 feet. How long should the ladder be ?

- A. 9 feet
- B. 81 feet
- C. 41 feet
- D. 49 feet

13) There are eight mango trees in a straight line. The distance between each mango tree with other is 3 metres. What is the distance between first tree and eighth tree?

- A. 24 m
- B. 27 m
- C. 30 m
- D. 21 m

14) A student is ranked 13th from right and 8th from left. How many students are there in total?

- A. 18
- B. 19

C. 20

D. 21

15) A goat is tied to one corner of a square plot of side 12m by a rope 7m long. Find the area it can graze?

A. 155 sq.m

B. 19.25 sq.m

C. 144 sq.m

D. 38.5 sq.m

Reasoning:-

In each of the following questions, various terms of an alphabet series are given with one or more terms missing as shown by (?). Choose the missing terms out of the given alternatives.

1) AZ, GT, MN, ?, YB

A. KF

B. RX

C. SH

D. TS

2) AZ, CX, FU, ?

A. IR

B. IV

C. JQ

D. KP

3) Poles : Magnet :: ? : Battery

A. Energy

B. Power

C. Terminals

D. Cells

4) Peace : Chaos :: Creation : ?

A. Manufacture

B. Destruction

C. Build

D. Construction

5) Find the odd one out

A. crusade

B. expedition

C. cruise

D. campaign

6) Find the odd one out

A. flourish

B. renovate

C. blossom

D. thrive

7) If FRIEND is coded as HUMJTK, how can CANDLE be written in that code?

- A. DEQJQM
- B. DCQHQK
- C. EDRIRL
- D. ESJFME

8) In a certain code ADVENTURES is written as TRDESAUVEN. How is PRODUCED written in that code ?

- A. IUIPGSSRNP
- B. IUIPGRSNR
- C. IUIINGSSRRP
- D. IRIPGSSNRR

9) Pointing to a man in a photograph, a woman said, "His brother's father is the only son of my grandfather." How is the woman related to the man in the photograph?

- A. Sister
- B. Aunt
- C. Grandmother
- D. Daughter

10) A told B, "The girl I met yesterday was the youngest daughter of the brother-in-law of my friend's mother." How is the girl related to A's friend?

- A. Niece
- B. Cousin
- C. Friend
- D. Daughter