GMO Class 12 Sample Paper

1. If the diameter of a sphere is doubled, then the increase in its surface area will be :
   A. 100%
   B. 200%
   C. 400%
   D. 300%

2. The sides of a triangle are in the ratio 5 : 6 : 13. If its perimeter is 48 cm, its sides will be :
   A. 10, 12, 26
   B. 26, 12, 10
   C. 25, 20, 33
   D. 20, 25, 3

3. The cost price of an article is Rs. 390. If it is to be sold at a profit of 3.12%, How much would be its approximate selling price?
   A. Rs 410
   B. Rs. 402
   C. Rs. 417
   D. Rs. 420

4. If a sum of money at simple interest doubles in 6 years, it will become 4 times in :
   A. 12 years
   B. 14 years
   C. 16 years
   D. 18 years

5. A, B and C together can finish a piece of work in 4 days, A alone can do it in 12 days, and B alone in 18 days. How many days will be taken by C to do it alone ?
   A. 18 days
   B. 9 days
   C. 10 days
   D. 11 days

6. Find the next term of the following series:
   353, 354, 351, 356, 349, ?
   A. 348
   B. 358
   C. 338
   D. 385

7. A wheel makes 10000 revolutions in covering a distance of 88 Km. The diameter of the wheel is:
   A. 1.4 m
   B. 2.4 m
   C. 2.8 m
   D. 2.2 m

8. N ranks fifth in a class. S is eighth from the last. If T is sixth after N and just in the middle of N and S, then how many students are there in the class?
   A. 23
   B. 24
   C. 25
   D. 26

Directions(Q 9 to Q11) These questions are based on the information based on the information given below:

Four ladies A, B, C and D and four gentlemen E, F, G and H are sitting in a circle round table facing each other.

i) No two ladies or two gentlemen sitting side by side.
ii) C, who is sitting between G and E, is facing D.
iii) F is between D and A and is facing G.
iv) H is to the right of B.

9. Who is sitting to the left of A?
   A. E
   B. F
   C. G
   D. H

10. E is facing whom?
    A. F
    B. B
    C. G
    D. H

11. Who are immediate neighbours of B?

A. G and H   B. E and F
C. E and H   D. F and H

12. Pointing to a man, a woman said," He is the brother of my uncle's daughter." How is that man related to woman ?

A. Cousin   B. Son
C. Brother-in-law   D. Nephew

13.   Mohan is standing at a point. He walks 20 m towards the East and further 10 m towards the South, then he walks 35 m towards the West and further 5 m towards the North, then he walks 15 m towards the East. What is the straight distance in meters between his starting point and the point where he reached last?

A. 0   B. 5
C. 10   D. can't be determined

14. Raju travelled 4 Km straight towards South. He turned left and travelled 6 Km straight, then turned right and travelled 4 Km straight. How far is he from the starting point?

A. 8 Km   B. 10 Km
C. 12 Km   D. 18 Km

15. Statements:

Some chairs are shoes.

Some shoes are sticks.

Conclusion:

i)   Some chairs are sticks.

ii)   No chair is stick.

iii) All sticks are shoes.

iv)   All shoes are chairs.

A. Either (i) or (ii) follows   B. Either (ii) or (iv) follows
C.   Only (iii) follows   D.   Only (i) or (ii) follows