Physical Quantity and Measurement

Time: 15 min   Marks: 20

1. Deepa covered a distance of 27 km in 90 min. Her speed is _____ km/hr.

2. The amount of space occupied by a plane figure on a surface is called _____.

3. The SI Unit of area is _____.

4. 15 g/cm^3 = _____ kg/m^3

5. Area is _____ quantity

6. SI unit of Volume is _____ _.

7. A rectangular cube of length 5 cm, breadth 8 cm and height are 0.007 m. The volume of cube is _____ cm^3.

8. To measure volume of Irregular Solid _____ method is used.

9. SI unit of Density is _____ _.

10. A speed of 1 km/hr is equal to _____ m/sec.

11. 9000 cc = _____ L.

12. The internal volume of vessel is called its _____ _.

13. A piece of stone displaces 25 ml of water, its volume is _____ cm^3.

14. For two different material of the same volume, greater density equals to _____ mass.

15. Mass per unit volume is called _____.

16. A coper block of mass 179.2 gm is immersed in water in a measuring cylinder. The level of water rises from 40 ml to 60 ml. the density of copper is _____ gm/cm^3.

17. Density = mass/_____

18. The symbol used for density is _____.

19. Distance travelled in unit time is called _____

20. A concrete slab weighting 48 kg has a volume of 0.016 m^3. The density of container is _____ kg/m^3

Ans.

1. 18

2. Area

3. m^2

4. 15000

5. two dimensions

6. m^3

7. 280 cm^3.

8. Displacement

9. Kg/m^3

10. 5/18

11. 9

12. Capacity

13. 25

14. Greater

15. Density

16. 8.96

17. Volume

18. ρ

19. Speed

20. 3000