# Class : 7 MEASUREMENT

## I.Choose the correct answer

1.Which of the following is a derived unit ?

a) mass b) time c) area d) length

2. Which of the following is correct ?

a) 1L = 1cc b) 1L = 10cc c) 1L = 100cc d) 1L = 1000cc

3. SI unit of density is ----- a) kg/m2 b) kg/m3 c) kg/m d) g/m3

4. Two spheres have equal mass and volume in the ratio 2:1. The ratio of their density is

a) 1:2 b) 2:1 c) 4:1 d) 1:4

5. Light year is the unit of ----------

a) Distance b) time c) density d) both length and time

## II. Fill in the blanks :

1. Volume of irregularly shaped objects are measured using the law of .....

2. One cubic metre is equal to .....

3. Density of mercury is .....

4. One astronomical unit is equal to .....

5. The area of a leaf can be measured using a .....

## III. State whether the following statements are true or false.

1. The region covered by the boundary of the plane figure is called its volume.

2. Volume of liquids can be found using measuring containers.

3. Water is denser than kerosene.

4. A ball of iron floats in mercury.

5. A substance which contains less number of molecules per unit volume is said to be denser

IV. Match the items in column - I to the items in column - II

| Column - I | Column - II |
|---|---|
| i. Area | (a) light year |
| ii. Distance | (b) m3 |
| iii. Density | (c) m2 |
| iv. Volume | (d) kg |
| v. Mass | (e)kg/m3 |

LIVEWORKSHEETS