Chapter- 2

PHYSICALQUANTITIES AND MEASUREMENT

WORKSHEET

MCQ

1. The relative density of alcohol is 0.8. Its density is

	i.	0.	8	
	ii.	80	0kg m ⁻³	
	iii. iv. 2.	0.8 80 The de staten i. ii.	3 kg m ⁻³ O g cm ⁻³ ensity of aluminium is 2.7 g cm-3.and that of brass is 8.4 g cm-3. The correct nent is Equal masses of aluminium and brass have equal volumes. The mass of a certain volume of brass is more than the mass of equal volume of	
E.	L)	aluminium. The volume of certain mass of brass is more than the volume of equal mass of aluminium.	
	2	IV.	Equal volumes of Aluminium and brass have equal masses.	
	5.	i.	The mass of density bottle is 25 g	
		ii.	The density bottle will store 25 ml of any liquid in it.	
		iii.	The density bottle will store 25 mL of water but more volume of liquid denser than water.	
		iv.	The density bottle will store 25 ml of water but more volume of liquid lighter than water.	
	4.	The correct statement is		
		i.	The buoyant force on a body is equal to the volume of liquid displaced by it.	
		ii.	The buoyant force on a body is equal to the volume of the body.	
		iii.	The buoyant force on a body is always equal to the weight of the body.	
		iv.	The buoyant force on a body is equal to the weight of the liquid displaced by it.	

- 1. The density of brass is 8.4gcm-3. What do you mean by this statement?
- 2. Arrange the following substances in order of their increasing density: Iron, cork, Brass, Water , Mercury.
- 3. How does the density of a liquid or gas vary with temperature?
- 4. A given quantity of liquid is heated. Which of the following quantity will vary and how?