1. Under which kingdom would you place, multicellular eukaryotic saprophytes with cell wall? Give an example.   (1)

2. Define 1 Joule.   (1)

3. Mention an application of Archimedes' principle. What is the SI unit of Relative Density?   (1)

4. Write down the formula of:

   (i) Aluminium phosphate   (ii) Calcium chloride.   (1)

5. Calculate the formula unit mass of $MgCl_2$ (Given, Mg =24u & Cl =35.5u)   (1)

6. Scientific names are uniformly used all over the world. List four conventions used while writing scientific names.   (2)

7. State and illustrate the Law of conservation of mass. If 12 g of carbon is burnt in the presence of 32g of oxygen, then how much carbon dioxide will be formed?   (2)

8. A ball of steel sinks in water while a ship made up of steel floats. Give reason.   (2)

9. Identify the given organism and name the division to which it belongs. Write two characteristic features of the division.   (3)

10. State all the postulates of Dalton's atomic theory.   (3)

11. a) A porter puts a round piece of cloth on his head over which he keeps luggage. Give reason.
    b) The volume of a solid block is 300 cm³. Find the mass of the water displaced when it is immersed in water. (Density of water = 1 g/cm³).   (3)

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