CLASS - VIII

PACE # 03

METALS AND NON-METALS

CEHMI STRY

- 1. Which of the following reactions will not occur? Why not?
 - (i) $MgSO_4 + Cu \longrightarrow CuSO_4 + Mg$
 - (ii) $CuSO_4 + Fe \longrightarrow FeSO_4 + Cu$
 - (iii) $MgSO_4 + Fe \longrightarrow FeSO_4 + Mg$
- 2. Explain why metals do not liberate hydrogen gas from very dilute nitric acid.
- 3. Complete and the following equations:

(i)
$$4Na + O_2 \longrightarrow$$

(ii) Na₂O + H₂O
$$\longrightarrow$$

(iii) S +
$$O_2 \longrightarrow$$

(iv)
$$SO_2 + H_2O \longrightarrow$$

- 4. Which non metal is used for valcanisation of rubber?
- 5. Which non metal in its liquid form is used as a rocket fuel.
- 6. Which non metal is used as fungicide and in making gun powder.
- 7. Which non metal is used to preserve food materials.
- 8. Name a non metal which is used to make electrodes in dry cells.
- 9. Pratyush took sulphur powder on a spatula and heated it. He collected the gas evolved by inverting a test tube over the burning sulphur. What will the action of this gas on :
 - (i) Dry litmus paper?
 - (ii) Moist litmus paper?

Write the balanced chemical equation for reaction taking place.