**Aarambh classes**

**Class X**

**CHEMSITRY TEST**

**CHEMICAL EQUATIONS AND REACTIONS**

**Time : 1 hour M.marks : 20**

**1 mark questions :**

1. Wtite a balanced equation for the following reaction :

Methane burns in oxygen to form carbondioxide and water

1. Why should a magnesium ribbon be cleaned before burning in air ?
2. A shiny brown coloured element X on heating in air becomes black in colour .Name the element X and the balck coloured compound formed .

**2 marks questions :**

1. Name the substance oxidised and substance reduced in the following reactions :

(I) SO +2HS Cu + HO

(ii) 4Na + O 2NaO

1. (I) Why is respiration considered as an exothermic reaction ?Explain.

(ii) Why do we apply paint on iron articles ?

6. A solution of substance X is used for white washing .

(i)Name the substance X and write its formula .

(ii)Write the reaction of the substance X named in (iI with water .

**3 marks questions :**

7. Translate the following statements into chemical equations and balance them :

(a) Hydrogen gas combines with nitrogen to form ammonia .

(b) Barium chloride reacts with aluminium sulphate to give aluminium chloride and a precipitate of barium sulphate .

(c )Potassium metal reacts with water to give potassium hydroxide and hydrogen gas .

8. Write one equation each for decomposition reactions where energy is supplied in the form of (a)heat (b) light (iii)electricity

**5 marks question :**

**9.**  A strip of metal X is dipped in a blue coloured salt solution YSO?After sometime ,a layer of metal Y from the salt solution is formed on thesurface of metal strip X.Metal X is used in galvanisation whereas metal Y is used in making electric wires .Metal X and Y together form an alloy Z.

(a) what could metal x be ? (b)What could metal Y be ?

© Name the metal salt YSO (d) What type of chemical reaction takes place when metal X reacts with salt solution YSO ?write the equation of the chemical reaction involved .

(e) Name the alloy Z .