**Aarambh classes**

**Class X(CBSE )**

**Chemistry test-1**

**Chemical reactions and equations**

**Time : 1 hour M.Marks: 30**

1. A solution of a substance ‘X’ is used for white washing :
2. Name the substance ‘X’ and write its formula .
3. Write the reaction of the substance ‘X’named in (i)above with water.
4. When you mix the solutions of lead (II)nitrate and potassium iodide

(i)What is the colour of the precipitate formed ?Name the compound precipitated .

(ii)Write the balanced chemical equation for this reaction .

(iii)Is this also a double displacement reaction ?

1. Why does the colour of copper sulphate change when an iron nail is dipped in it ?
2. Identify the substances oxidized and the substances reduced in the following reactions :

(i)4 Na (s) + O2 2 Na2O

(ii)CuO (s) +H2 (g) Cu (s) +H2O (l)

1. Balance the following chemical equations :

(a)HNO3 +Ca(OH)2 Ca(NO3)2 +H2O

(b) NaOH +H2SO4 Na2SO4 +H2O

(c) NaCl +AgNO3 AgCl +NaNO3

(d)BaCl2 +H2SO4 BaSO4 +HCl

6. write the balanced chemical equations for the following reactions :

(a) Calcium hydroxide +Carbon dioxide Calcium carbonate +water

(b)Zinc +Silver nitrate Zinc nitrate +Silver

(c)Aluminium +Copper chloride Aluminium chloride +copper

(d)Barium chloride +Potassium sulphate Barium sulphate +Potassium chloride

7. What do you mean by exothermic and endothermic reactions ?Give examples.

8. Write one equation each for decomposition reactions where energy is supplied in the form of heat,light or electricity.

9. (a)Why do we apply paint on iron articles?

(b)Oil and food containing food items are flushed with nitrogen .Why ?

10. Explain the following terms with example : (a)Corrosion (b)Rancidity