NEW STANDARD ACADEMY

SEMRI KOTHI SUPER MARKET, RAEBARELI

CLASS 10 DPP (CHEMISTRY)

1. The shiny appearance of a wall after white wash with the solution of slaked lime is because of the formation ofa layer of:
   a) CaO c) $Ca(OH^{)}_2$
   b) $CaCl^2$ d) $CaCO_3$

2. The example of thermal decomposition reaction is :
   a) $CaCO_3 \longrightarrow Cao(S) + Co_2$
   b) $2Pb(NO_3)_2 \longrightarrow 2PbO + 4NO_2 + O_2$
   c) $2AgCl \longrightarrow 2Ag + Cl_2$
   d) All of the above
3. Which of the following statements about the given reaction are correct?
   $3Fe(s) + 4H_2O(g) \longrightarrow Fe_3O_4(s) + 4H_2(g)$
   i) Iron is oxidized
   ii) Water is reduced
   iii) Water acts as reducing agent
   iv) Water acts as oxidizing agent
   a) (i),(iii) and(iv) c) (i)and(iv)
   b) (i),(ii) and(iv) d) (ii)and(iv)
4. The ratio of hydrogen and oxygen in water by volume is.
   a) 1 : 2 c) 1 : 1
   b) 2 : 1 d) 1 : 8
5. Identify the substance oxidized in the above equation:
   a) $MnCl_2$ c) HCl
   b) H_2O d) MnO_2
6. One of the following processes does not involve a chemical reaction. The process:
   a) Melting of candle wax when heated
   b) Burning of candle wax when heated
   c) Digestion of food in our stomach
   d) Ripening of banana
7. The displacement reaction between iron (III) oxide and a metal X is used for welding the rail tracks. Here X is:
   a) Copper granules
   b) Magnesium ribbon
   c) Sodium pellets
   d) Aluminum dust
8. In the reaction ,$Cu^{+2}(aq) + 2OH^{-}(aq) \longrightarrow Cu(OH)_2(s)$ precipitate of copper hydroxide(Cu(OH)2) will be of:
   a) Green Colour c) Blue colour
   b) Brown colour d) White colour
9. Calcium oxide reacts vigorously with water to produce slaked lime.
   $CaO(s) + H_2O(l) \longrightarrow Ca(OH)_2(aq)$ this reaction can be classified as:
   A. Combination reaction
   B. Exothermic reaction
   C. Endothermic reaction
   D. Oxidation reaction
   Which of the following is a correct option?
   a) (A) and (C)
   b) (C) and (D)
   c) (A) ,(C) and (D)
   d) (A) and (B)
10. $Na_2SO_4 + BaCl_2 \longrightarrow BaSO_4 + 2NaCl$ The above reaction is an example of:
    a) Redox Reaction
    b) Substitution reaction
    c) Displacement reaction
    d) Double displacement or decomposition reaction