## DPP-10S12

## **BALANCING & Combination Reaction**

## 1. Balance the following equations :

- a)  $Pb(NO_3)_2 \rightarrow PbO + NO_2 + O_2$
- b) MnO + HCl  $\rightarrow$  MnCl<sub>2</sub> + H<sub>2</sub>O + Cl<sub>2</sub>
- c)  $H_2S + O_2 \rightarrow H_2O + SO_2$
- d)  $AI_2(SO_4)_3 + BaCI_2 \rightarrow AICI_3 + BaSO_4$
- e)  $AI(OH)_3 + (NH_4)_2SO_4 \rightarrow AI_2(SO_4)_3 + NH_4OH$
- A solution of a substance 'X' is used for whitewashing. (i) Name the substance 'X' and write its formula. (ii) Write the reaction of the substance 'X' named in (i) above with water
- 3. Why Combination reactions are called Exothermic Reaction?
- 4. Why is respiration considered an exothermic reaction? Explain.
- 5. What is a balanced chemical equation? Why should chemical equations be balanced?
- 6. Complete the following reactions :
  - a. CaO + H<sub>2</sub>O  $\rightarrow$
  - b. Mg +  $O_2 \rightarrow$

For more Queries

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