

3. Chemical Reactions and Equations

(2 and 3 Marks Questions)

Q. 1 Write short notes

- 1) Redox reaction

Q. 2 Distinguish between

- 1) combination reaction and decomposition reaction
- 2) exothermic reaction and endothermic reaction
- 3) Oxidation and reduction

Q. 3 Write laws, definitions, units or formulae

- 1) What is chemical change?
- 2) What are reactants and products ? give examples to explain.
- 3) What is a chemical reaction?
- 4) What is a combination reaction?
- 5) What is a decomposition reaction?
- 6) What is thermal decomposition reaction?
- 7) What is electrolytic reaction?
- 8) What is the displacement reaction?
- 9) What is a double decomposition reaction?
- 10) Explain the terms: 1) Exothermic reaction 2) Endothermic reaction

11) What is a rapid reaction?

12) Define : Oxidation reaction

Q. 5 Give scientific reasons

- 1) Metal nets are painted before fitting on windows and doors
- 2) It is essential to show the physical state of reactants and products while writing the chemical reactions
- 3) When gas obtained by heating calcium carbonate is allowed to pass through fresh slaked lime water then it turns milky
- 4) It is advisable to use an air tight container for storing edible oil for a long time.
- 5) The reaction between calcium carbonate and concentrated hydrochloric acid is faster than that between Calcium carbonate and dilute hydrochloric acid.
- 6) When objects made of Copper come in contact with light or moisture then they get corroded.
- 7) Silver articles turn black when they come in contact with moisture in the air.