LOYOLA SCHOOL, BHUBANESWAR

Second Class Evaluation – November 2025

Class: VII **Subject: Chemistry** **F.M.=20** **Time: 40 mins**

Q1. Name the gas evolved in the following reactions. **[4]**

(a) Iron reacts with dilute hydrochloric acid.
(b) Potassium chlorate is heated.
(c) Calcium carbonate is heated.
(d) Zinc carbonate is heated.

Q2. Convert to a word equation. **[4]**

(a) $Na_2O + H_2O \rightarrow NaOH$
(b) $BaCl_2 + Na_2SO_4 \rightarrow BaSO_4 + NaCl$
(c) $FeS + HCl \rightarrow FeCl_2 + H_2S$
(d) $CaO + H_2O \rightarrow Ca(OH)_2$

Q3. Write a word equation as an example for the following: **[4]**

(a) Hydrogen gas is evolved.
(b) A white precipitate of barium sulphate is formed.
(c) A white solid ammonium chloride is formed due to the reaction of two gases.
(d) A rotten egg smell, hydrogen sulphide gas is formed.

Q4. Answer the following. **[4]**

(a) What do you mean by a catalyst?
(b) Name the reaction that needs light to occur.
(c) To prepare hydrogen and oxygen from water, what energy is required?
(d) You are said to prepare silver chloride precipitate. In which state are the reactants to be used?

Q5. State one observation for the following reactions. **[4]**

(a) Water is added to quick lime.
(b) Sugar is heated.
(c) Ammonium chloride is heated with sodium hydroxide.
(d) A glass rod dipped in ammonia solution is brought near a test tube containing concentrated hydrochloric acid.

**********ALL THE BEST**********