

STD 10 Chemistry Assignment 11

Ch.4 Analytical Chemistry

- 1) Identify the substance P. The deliquescent salt P turns yellow when dissolved in water and gives a redfish brown precipitate with Sodium hydroxide solution.
- 2) Give two examples of metallic salt which gives white precipitate with Sodium hydroxide when added in little amount.
- 3) Name the gas evolved on reaction of aluminum with boiling concentrated caustic alkali solution. Write the reaction.
- 4) Distinguish between the following pairs of compounds using the test given within brackets:
 - A lead salt solution and zinc salt solution (using excess ammonium hydroxide)
 - Iron (II) sulphate and iron (III) sulphate (using ammonium hydroxide solution)
- 5) How will you distinguish between ammonium hydroxide solution and sodium hydroxide solution (Hint : Use Copper sulphate solution)