

Assignment
CHE-205
Unit Test 1 & 2
2017-18

Unit 1:

1. Explain solubility product principle
2. Discuss common ion effect and its importance
3. Separation of group III-B & 4th
4. Give conditions for volumetric analysis
5. Explain ways to locating the end point for redox titration

Unit 2:

1. Describe visualize method for locating end point in acid base titrations
2. Effect of concentration in strong acid and strong base titrations
3. Describe titration between NH_4OH and HCl
4. Discuss factors affect shape of titration curve in acid base titrations
5. Short note on weak acid and strong base titrations

Unit 3:

1. Discuss different types of EDTA titrations
2. Give the importance of pH in EDTA titrations
3. Explain about thermodynamic stability of EDTA titrations
4. How can we increase selectivity of EDTA titrations
5. How will you determine hardness of water by EDTA titrations

Unit 4:

1. Discuss various steps involved in gravimetric analysis
2. Write advantages and disadvantages of the use of organic reagents with the comparison of inorganic reagents in precipitation process
3. Write Short note : Von-Weimarn proportion
4. Writs the uses of cupferon as precipitating agents
5. Discuss masking agents
6. Give comparison between Co-precipitation and Post-precipitation.

Short Answer Questions.

- 1 For which cation cupferon is specific?
2. Define term : Gravimetric calculation & GF.
3. Give names of solutions which are used for washing of precipitates.