

**II B.Pharmacy II Semester Supplementary Examinations, April 2017
PHARMACEUTICAL ANALYSIS-I**

Time: 3 hours

Max Marks: 75

**Answer any FIVE Questions
All Questions carry equal marks**

1. (a) Define Precision, Accuracy and Significant figures with examples.
(b) Explain the calibration of analytical equipment. Used in volumetric analysis [7+8]
2. (a) Define Dissociation. What are the factors that influence Dissociation.
(b) What are various Acid-Base theories & explain about Lewis & Arrhenius theories. [7+8]
3. Describe the Instrumental methods of detecting end point in complexometric titrations. [15]
4. (a) Write the preparation and standardization of KFR.
(b) Explain the general methods for the determination of Moisture Content in different substances [9+6]
5. Write short notes on
(a) Fluorometry
(b) Flame Photometry [8+7]
6. (a) Explain composition and working of various ion selective electrodes.
(b) Why KCl solution is filled in the glass electrode [8+7]
7. (a) Differentiate between nephelometry and turbidimetry.
(b) Draw a neat labeled diagram of turbidimeter and explain its parts. [7+8]
8. Discuss the theory and applications of refractometry. [15]
