

**Second Year B.Pharm Degree Supplementary Examinations  
December 2017  
PHARMACEUTICAL ANALYSIS  
(2010 Scheme)**

**Time: 3 Hours****Total Marks: 100**

- Answer all Questions.
- Write equations wherever necessary.

**Essay****(3x10=30)**

1. Discuss the various calibration parameters of any two analytical equipments.
2. Discuss the theoretical basis, scope and limitations of non-aqueous titrations. How do you prepare and standardize 0.1 M perchloric acid
3. Explain about the theory of redox titrations. Add a note on titrations involving ceric ammonium sulphate.

**Short notes****(14x5=70)**

4. Karl Fisher method
5. What are the various methods of expressing concentrations.
6. Explain common ion effect.
7. Choice of indicators in acid- base titrations.
8. Explain Bronsted –Lowry acid-base concept.
9. Discuss the effects of acids, temperature and solvent on the solubility of precipitate
10. Explain Mohr's method of analysis
11. Effect of pH and stability of EDTA complexes
12. Titration curves in neutralization titration.
13. Explain Fajan's method of analysis
14. pM indicators.
15. Titrations involving titanous chloride
16. Co-precipitation and post precipitation
17. Thermogravimetry

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