

Subject Code: B132202/R13

II B. Pharmacy II Semester Regular Examinations April - 2017

PHARMACEUTICAL ANALYSIS-I

Time: 3 hours**Max. Marks: 70**

Question Paper Consists of **Part-A** and **Part-B**
 Answering the question in **Part-A** is Compulsory,
 Three Questions should be answered from **Part-B**

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PART-A

1. (a) Distinguish between Primary and secondary standards.
- (b) What do you understand by Leveling & differentiating effect?
- (c) Explain the Nernst equation for electrode potential.
- (d) Write a note on adsorption indicator.
- (e) Write a note on Co-precipitation & Post-precipitation in gravimetry.
- (f) Give a note on preparation & standardization of Karl-fisher reagent. [3+4+3+4+4+4]

PART-B

2. (a) Define Calibration. Explain the procedure involved in calibration of volumetric flasks, Burettes and Pipettes.
(b) Define significant figure. Compute some rules for calculating significant figure. [10+6]
3. (a) What is Titration curve? Discuss titration curve for the neutralization of
(i) Strong acid Vs Strong Base (ii) Strong Acid Vs Weak base
(b) Write a note on acidimetry in non-aqueous titration with a suitable example. [10+6]
4. (a) Write about the Redox titration involved in ceric salts with example.
(b) Write the titration involved in copper sulphate in detail. [10+6]
5. (a) What is Volhard's method? Write its application with examples.
(b) Give a note on theory involved and Indicators used in complexometric titrations. [8+8]
6. (a) Write the principle involved in gravimetric analysis.
(b) Discuss in detail about precipitation & incineration with suitable examples.
(c) Estimate Magnesium as Magnesium pyrophosphate. [4+6+6]
7. (a) Write the Principles and procedures involved and application of nitrite titrations.
(b) Write the significance of Gas analysis and Karl-fisher titration. [8+8]

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