

First Semester B.Pharm Degree Examinations March 2018

Pharmaceutical Analysis - I
(2017 Scheme)

Time: 3 Hours

Max. Marks: 75

- **Answer all questions**
- **Write equations wherever necessary**

Essay

(2x10=20)

1. Give an account of the types of solvents used in non-aqueous titration. Explain the principle involved in acidimetric titration by non-aqueous method.
2. What are complexometric titrations. Explain the types of complexometric titrations

Short Notes

(7x5=35)

3. Explain the methods of end point detection in potentiometric titrations.
4. Explain the estimation of ephedrine hydrochloride.
5. Diazotization titrations
6. The principle involved in redox titrations by iodimetry and iodometry
7. Explain the construction and working of dropping mercury electrode.
8. How will you prepare and standardize 0.1 M Sodium hydroxide?
9. Explain Volhard's method.

Answer Briefly

(10x2=20)

10. Define normality.
11. Define precision.
12. How will you construct a neutralization curve
13. What is co-precipitation
14. What are chelating agents. Give examples.
15. What are argentimetric titrations
16. List out the advantages and disadvantages of glass electrode.
17. What are the steps involved in gravimetric analysis
18. Why is Mohr's method carried out in neutral pH
19. List out the various electrochemical methods of analysis.
