

QP Code: 122006

Reg. No.....

First Semester B.Pharm Degree Examinations February 2019

Pharmaceutical Analysis - I

(2017 Scheme)

Time: 3 Hours

Max. Marks: 75

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

Essay

(2x10=20)

1. Discuss in detail how each of the following non-aqueous titrations is performed
weakly acidic drug and weakly basic drug
2. Discuss in detail any four types of redox titrations

Short Notes

(7x5=35)

3. Explain the estimation of barium sulphate by gravimetry.
4. Discuss the nature of non-aqueous titrants used in the titration of weak acids
5. What are cerimetric titrations. Explain with one example
6. Explain Volhard method of determination of halides
7. What are the different sources of error
8. Describe the construction and working of a standard hydrogen electrode
9. Explain the terms: half wave potential, diffusion current

Answer Briefly

(10x2=20)

10. What is a primary standard. Give one example
11. What are mixed indicators. Give one example
12. What is a sequestering agent.
13. Distinguish precision from accuracy.
14. How would you prepare and standardize a one molar (1M) solution of sodium hydroxide.
15. What are the different methods of expressing concentration
16. Explain the role of a supporting electrolyte in polarography
17. What are adsorption indicators
18. What is meant by levelling effect in non-aqueous titrations.
19. What is a chelate. Give one example
