

QP Code: 122006

Reg. No.....

**First Semester B.Pharm Degree Supplementary Examinations  
June 2019**

**Pharmaceutical Analysis - I**

**(2017 Scheme)**

**Time: 3 Hours**

**Max. Marks: 75**

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

**Essay**

**(2x10=20)**

1. What are precipitation titrations. Give a detailed account of Mohr's method and Volhard's method.
2. Explain the different types of acid-base titrations with the help of neutralization curves

**Short Notes**

**(7x5=35)**

3. Explain the principle involved in alkalimetric titration by non-aqueous method.
4. pM indicators
5. Applications of redox titrations
6. Explain the estimation of barium sulphate by gravimetry.
7. What are indicator electrodes. Explain the construction and working of any one indicator electrode.
8. Give an account of conductometric titrations
9. Explain the various methods of expressing concentration.

**Answer Briefly**

**(10x2=20)**

10. What is primary standard. Give examples.
11. Define accuracy.
12. Any two advantages of non-aqueous titrations
13. Define masking agents. Give examples.
14. What is an electrochemical cell
15. What is post precipitation
16. Define conductance.
17. What is Nernst equation
18. What are redox indicators
19. What do you mean by iodometry.

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