

QP Code: 122006

Reg. No.....

**First Semester B.Pharm Degree Supplementary Examinations
August 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 the different types of errors. What are the methods of minimizing errors. Explain
2. Discuss in detail the neutralization curves for acid-base titrations. Indicate the choice of indicators in each case

Short Notes

(7x5=35)

3. Describe the construction and working of a calomel electrode.
4. What is a diazotization titration. Give one example
5. How would you standardize a solution of potassium permanganate.
6. Explain how you would estimate ephedrine hydrochloride by non –aqueous titration.
7. Explain the principle of gravimetric analysis. What are the steps involved in gravimetric analysis.
8. Discuss the different types of conductometric titration curves.
9. Explain in detail a titration using potassium iodate

Answer Briefly

(10x2=20)

10. Why is a supporting electrolyte used in polarography
11. What is a maxima suppressor. Give one example.
12. Define ligand and coordination number
13. Define oxidation and reduction
14. Give one example of an iodometric titration
15. What is the Nernst equation for a redox reaction.
16. What is Fajan's method for the determination of halides
17. Define specific conductivity.
18. What is a universal indicator
19. Define accuracy
