

QP Code: 122006

Reg. No.....

**First Semester B. Pharm Degree Regular/Supplementary
Examinations April 2024**

**Pharmaceutical Analysis - I
(2017 Scheme)**

Time: 3 Hours

Max. Marks: 75

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essay

(2x10=20)

1. Explain the principle involved in Polarography. Write about Ilkovic equation, construction and working of dropping mercury electrode
2. What are the concept and type of oxidation and reduction titration. Give in detail on three of them

Short Notes

(7x5=35)

3. Write in detail about the preparation & standardization of sulphuric acid.
4. Explain conductometric titrations
5. Co-precipitation and post precipitation
6. Write on calomel electrode and its applications
7. Titration of calcium gluconate
8. Write about estimation of Sodium benzoate by non aqueous titration
9. Explain neutralization titration curves

Answer Briefly

(10x2=20)

10. With example give properties of Aprotic solvents
11. What are masking and demasking agents.
12. Sources of errors.
13. Properties of primary and secondary standards.
14. What is mean by reference and indicator electrodes. Give examples.
15. Differentiate molarity and molality
16. Name the theories of acid-base indicators
17. End point detection of precipitation titrations.
18. Differentiate volhards and modified volhards method
19. Explain the principle of diazotisation titration with one example
