

QP Code: 122006

Reg. No.....

**First Semester B. Pharm Degree Regular/Supplementary
Examinations April 2025
Pharmaceutical Analysis - I
(2017 and 2024 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. Write the principle involved in non-aqueous acidimetry. Write in detail about the assay of Ephedrine hydrochloride by non aqueous titration
2. Enlist the types of redox titrations. Write the difference between Iodometry and Iodimetry titrations.

Short Notes

(7x5=35)

3. Write the construction and working principle of rotating platinum electrode.
4. Concepts of oxidation and reduction
5. Write short note on estimation of barium sulphate by gravimetry analysis
6. Detail the types of solvents used in non aqueous titrations
7. Difference between volhard's and modified volhard's method
8. Classify errors
9. Explain the standardization procedure for sodium hydroxide

Answer Briefly

(10x2=20)

10. Define primary standard
11. Define significant figure
12. Curves associated to strong and weak acid titration against strong alkali
13. Principle involved in Diazotisation titration
14. Name the titrant and indicators used in complexometry
15. What is Lewis theory
16. Molar conductivity
17. Fajans method
18. Define normality
19. Define electro motive force
