

QP Code: 122006

Reg. No.....

**First Semester B. Pharm Degree Regular/Supplementary  
Examinations March 2026**

**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. Briefly explain about the sources and types of Errors.
2. What is Precipitation titration. Give a detailed account of different methods of Precipitation titration.

**Short Notes**

**(7x5=35)**

3. Explain the principle and procedure of iron limit test.
4. Explain the principle involved in the estimation of sodium benzoate.
5. Explain the theories of acid-base indicators.
6. Write a note on PM indicators.
7. Write the construction and working of calomel electrode.
8. Discuss the principle of Polarography. Write the Ilkonic equation.
9. Discuss the different techniques of Analysis.

**Answer Briefly**

**(10x2=20)**

10. What is Universal indicator.
11. Define half wave potential.
12. Explain Bronsted acid-base theory.
13. Explain co precipitation and post precipitation.
14. What are indicator electrodes.
15. How will you prepare and standardize 1N NaOH solution.
16. Define Oxidation and Reduction.
17. What is Limiting current.
18. Applications of conductometric titrations.
19. Name some protogenic and protophilic solvents.

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<b>CORRECTION / NO-CORRECTION FILE</b>
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**QPCODE: 122006**

**Dated: 01-04-2026**

**Question No.3**

**Replaced with "Explain the principles and applications of redox titrations."**

**Question No.8**

**Corrected as "Discuss the principle of Polarography. Write the Ilkovic equation."**

**Corrections/Modifications/Replacement of Questions if any shall be made available to all students. Take the print out of the Correction File in such cases and distribute to all students.**

(Sd/-)

**CONTROLLER OF EXAMINATIONS**