

# 2012 Scheme

QP CODE: 212006

Reg. No: .....

## Second Year B.Pharm Degree Supplementary Examinations July 2025 Pharmaceutical Analysis

Time: 3 Hours

Total Marks: 100

- *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*
- *Write equations wherever necessary.*

### Essays

(3x10=30)

1. Explain principle, reaction, buffers, indicators used in Complexometric assays.
2. Write on gravimetric assay- various steps involved, and its pharmaceutical application.
3. Explain diazotisation titrations.

### Short notes

(14x5=70)

4. Describe Henderson-Hasselback equation.
5. Applications of argentometric titration.
6. Calibration of analytical equipment.
7. Definition, use and examples of primary and secondary standards.
8. Methods of expressing concentration.
9. Theory of acid-base titration.
10. How does nitrogen determined.
11. Write on assays involved in titanous chloride.
12. Solvents used in Non-aqueous titration.
13. IP method to determine moisture in drug.
14. Gasometry and use.
15. Curves of neutralisation and applications.
16. Explain Iodo and iodimetric methods.
17. Oxygen flask combustion method.

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