

2010 scheme

QP CODE: 402006

Reg. No:

Final Year B.Pharm Degree Supplementary Examinations April 2025

Pharmaceutical Analysis – II

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*
- *Draw Diagrams wherever necessary.*

Essays

(3x10=30)

1. Write the principle, types of resins, mechanism of separation and column operation in Ion exchange chromatography
2. What is fluorescence emission. Write Factors affecting fluorescence
3. Write theoretical aspects, instrumentation and analysis of compounds by flame photometry

Short notes

(14x5=70)

4. Explain the separation and detection in adsorption column chromatography
5. Write on quantitative and qualitative applications of UV spectroscopy
6. Give the concepts of TQM
7. Write Modes of vibrations of molecules under IR radiation
8. End point detection in polarography
9. Preparation of plates and detection methods in TLC
10. Types and Theory of Emission spectroscopy
11. Principle and application of electrophoresis
12. Write on theory of conductometry
13. HPLC and its modes of separation
14. Role of Scattering principles in pharmaceutical analysis
15. Mass spectrometer
16. Brief on ICH
17. Counter current extraction and its applications.
