

QP CODE: 402006 (old scheme)

Reg. No:

Final Year B.Pharm Degree Supplementary Examinations May 2019

**Pharmaceutical Analysis – II
(2010 scheme)**

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw diagrams and equations wherever necessary.

Essays

(3x10=30)

1. Classify chromatography based on technique, principle and mode of separation giving appropriate examples.
2. How are end points measured in conductometric titrations and potentiometric titrations
3. With ray diagrams, describe any two principles of obtaining monochromatic radiations in UV-visible spectrophotometers.

Short notes

(14x5=70)

4. What are the types of quality audit. Mention their objectives
5. Distinguish between principles of nephelometry and turbidimetry
6. Structural factors influencing fluorescence intensity with appropriate examples
7. Rules of ion exchange in cation exchange chromatography
8. Principle involved in the working of Atomic Absorption Spectroscopy
9. What is X-ray diffractometry. State Braggs law
10. Applications of flame photometry
11. Describe sample handling methods for solid compounds in IR spectroscopy
12. Criteria for ideal carrier gases used in GC
13. Working principle of RP-HPLC
14. Describe the working principle and applications of TLC
15. Mathematical expression for Beers law. When deviations from Beers law is observed
16. Types of peaks observed in a typical mass spectrum
17. Describe the instrumentation of gel electrophoresis
