

2012 scheme

QP CODE: 412006

Reg. No:

Final Year B.Pharm Degree Supplementary Examinations October 2019

Pharmaceutical Analysis – II

Time: 3 Hours

Total Marks: 100

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

Essays

(3x10=30)

1. Discuss plate theory of chromatography.
2. Explain any four ionization techniques in mass spectroscopy with their specific applications.
3. Explain the analytical methods of validation

Short notes

(14x5=70)

4. Refractive index detector.
5. List the advantages of gas chromatography.
6. Explain the working of flame ionization detector.
7. Derivatisation in gas chromatography.
8. Explain the construction and working of dropping mercury electrode.
9. Electrophoresis and isoelectric focusing.
10. Explain the working of a nephelo turbidimeter.
11. List and explain various types of vibrations caused by infra-red radiation.
12. Flame photometry is a preferred technique than atomic absorption spectroscopy in quantifying sodium and potassium in human plasma. Justify.
13. Explain the process of harmonization of a new ICH guidelines.
14. Stringent regulatory control is the need of hour in India. Comment.
15. State and explain Beer-Lambert's law. What are its limitations
16. Explain quality audit and total quality management
17. Applications of HPLC and HPTLC
