

QP CODE:302326

Reg.No:

Third Year Pharm D Degree Examinations - September 2014

Pharmaceutical Analysis

Time: 3 Hours

Total Marks: 70

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essays

(3x10=30)

1. Discuss the principle, stationary phase, mobile phase, development techniques and applications of paper chromatography.
2. Explain the principle and instrumentation of UV-VIS double beam spectrophotometer with a neat diagram.
3. Explain the principle and applications of NMR and mass spectra.

Short notes

(8x5=40)

4. Applications of DSC and DTA in pharmaceutical analysis.
5. Explain TQM, ICH and Validation.
6. Define mass spectrum. Explain the principle and different types ions produced in mass spectra.
7. List the advantages of HPTLC over TLC.
8. ESR and its application.
9. Differentiate between flame emission and atomic absorption spectroscopy.
10. Dropping mercury electrode- its advantages and disadvantages.
11. Explain quenching.
