

Final Year B.Pharm Degree Supplementary Examinations – June 2016

PHARMACEUTICAL ANALYSIS – II
(2010 scheme)

Time: 3 Hours

Total Marks: 100

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

Essay

(3x10=30)

1. Explain the construction and working of IR spectrophotometer. Explain the pharmaceutical applications of IR spectrometry
2. Explain the construction and working of mass spectrometer. Explain any two applications of mass spectrometry
3. Explain the theory of separation behind paper chromatography. Discuss the different developmental techniques employed in paper chromatography.

Short notes

(14x5=70)

4. Pharmaceutical applications of HPLC
5. Validation of analytical procedures
6. GLP guidelines
7. Types of conductometric titrations
8. Construction and working of any one reference electrode used in potentiometry
9. Applications of electrophoresis
10. Applications of NMR spectroscopy
11. Different methods for preparation of plates used in thin layer chromatography(TLC)
12. Principle of atomic absorption spectroscopy
13. Theory behind nephelometry
14. Theory and applications of radio immunoassay
15. Types of transitions in UV-visible spectroscopy
16. Amperometric titration curves and its applications
17. Principle of polarography and its applications in pharmaceutical analysis
