

PHARMACEUTICAL ANALYSIS - II

Time: 3 Hours

Total Marks: 100

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

Essay

(3x10=30)

1. Explain the principle of potentiometric titration and describe the applications of the same.
2. Discuss the principle of separation in gas chromatography and detectors used in GC
3. Explain the principle involved in fluorimetry. Describe the instrumentation of a fluorimeter

Short notes

(14x5=70)

4. Explain the different methods of preparing a TLC plates.
5. Explain the different developmental techniques used in paper chromatography
6. Differentiate column chromatography and HPLC.
7. Theory of light scattering and pharmaceutical applications of nephelometry
8. Different types of conductometric titrations
9. Applications of thermal analysis
10. Applications of infra red spectroscopy
11. Theory behind polarographic analysis
12. Define Beer's Lambert law and explain its application in UV-visible spectroscopy
13. What are the different types of vibrations shown by a molecule when irradiated by Infra red radiation.
14. Explain the theory of NMR in brief.
15. Explain the various types of burners used in flame photometry
16. Explain the instrumentation of electrophoresis.
17. Explain the salient features of good laboratory practice (GLP)
