

35027 : Pharmaceutical Analysis - II

P. Pages : 1
Time : Three Hours



AW - 2282
Max. Marks : 80

- Notes :
1. All question carry equal marks.
 2. Answer **eight** question.
 3. Diagrams and chemical equations should be given wherever necessary.

1. Write theory and instrumentation of UV-Visible Spectroscopy. **10**
2. Explain instrumentation of HPLC with special emphasis on pumps and detectors used in HPLC. **10**
3. Discuss theory and instrumentation of mass spectroscopy with applications. **10**
4. Write theory, principle and instrumentation of nuclear magnetic resonance spectroscopy. **10**
5. Explain principle and instrumentation of differential thermal analysis. **10**
6. Differentiate atomic emission and atomic absorption spectroscopy. Write advantages at flame photometry. **10**
7. What is mean by chemical shift? Write various factors affecting to its. **10**
8. Discuss various conductometric titrations. Write its applications. **10**
9. Write theory and instrumentation of fluorimetry. **10**
10. Write short note on **any two**. **10**
 - i) GLP
 - ii) ICH
 - iii) TQM
