

PY 602
B.Pharmacy VI Semester
Examination, December 2014
Pharmaceutical Analysis - II
Time : Three Hours
Maximum Marks : 70

Note: Attempt any five questions. All questions carry equal marks.

1. a) Describe the instrumentation of uv-visible spectrophotometer.
b) Discuss the application of uv-visible spectrophotometry.
2. a) Describe the instrumentation of IR spectrophotometer.
b) Discuss the advantage and application of IR spectrophotometry in structure elucidation.
3. a) Discuss the different ionization techniques in mass spectroscopy.
b) Discuss the fragmentation rule in mass spectroscopy.
4. Discuss the theory and application of
a) X-ray diffraction
b) Flame photometry
5. a) What is spin coupling, and spin decoupling? Discuss the application of NMR spectroscopy.
b) Write a note on pulsed Fourier transform spectroscopy.
6. a) Describe the methods and application of radioimmunoassay.
b) Write an account of chemical shift in NMR spectroscopy.
7. a) What is HPLC? Discuss the theory and application of HPLC.
b) Discuss the principle and application of HPTLC.
8. Write notes on (any two)
a) Atomic Absorption
b) Fluorimetry
c) GC

