

Code No: B4101

R10

SET - 1

IV B. Pharmacy I Semester Supplementary Examinations, Oct/Nov - 2017

PHARMACEUTICAL ANALYSIS-II

Time: 3 hours

Max. Marks: 75

Answer any **FIVE** Questions
All Questions carry **Equal** Marks

1. a) Describe the components of double beam UV spectrophotometer with a neat labeled diagram. (8M)
- b) Write in detail about different parts of IR spectrometry. (7M)
2. a) Explain in detail about principle and components of mass spectrometer. (10M)
- b) Explain the principle involved in Electron Spin Resonance Spectroscopy. (5M)
3. a) Write the basic principle, instrumentation of differential scanning calorimetry. (10M)
- b) Discuss about the applications of differential thermal analysis. (5M)
4. a) Explain the basic principles and applications of Atomic absorption spectroscopy. (8M)
- b) Write about Raman spectroscopy. (7M)
5. a) Write the Principle and Applications of Enzyme Linked ImmunoSorbate Assay. (9M)
- b) Write a short note on Optical rotatory dispersion. (6M)
6. a) Write the principle and applications of ion-exchange chromatography. (8M)
- b) Write the principle and various adsorbents used in column chromatography. (7M)
7. a) Discuss the principle and instrumentation of gas chromatography. (10M)
- b) Write a short note on LCMS. (5M)
8. a) Explain about gel electrophoresis. (9M)
- b) Discuss about the applications of HPLC. (6M)