

Code No: B4101

R10

SET -1

IV B. Pharmacy I Semester Advanced Supplementary Examinations, Feb/March - 2018

PHARMACEUTICAL ANALYSIS-II

Time: 3 hours

Max. Marks: 75

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

1. a) State Beer-Lamberts law, derivation and explain the deviations from the law. (8M)
b) Write notes on detectors used in IR spectroscopy. (7M)
2. a) Explain the principle and equipment used in NMR Spectroscopy. (10M)
b) Write the applications of Electron Spin Resonance Spectroscopy. (5M)
3. a) Write the basic principle and instrumentation of differential thermal analysis. (10M)
b) Write applications of differential scanning calorimetry. (5M)
4. a) Explain the basic principle and applications of XRD. (8M)
b) Write about Emission spectroscopy. (7M)
5. a) Write the principle and applications of Radio Immuno Assay. (10M)
b) Write a short note on Circular dichroism. (5M)
6. a) Write the principle and experimental details of TLC. (9M)
b) Discuss the principle and types of paper used in paper chromatography. (6M)
7. a) Discuss the principle and instrumentation of HPLC. (10M)
b) Discuss about the applications of HPTLC. (5M)
8. a) Explain about paper electrophoresis. (10M)
b) Discuss about the applications of GC. (5M)