

[LJ 814]

OCTOBER 2016

Sub. Code: 3814

PHARM. D DEGREE EXAMINATION
(2009-2010 Regulation)
THIRD YEAR
PAPER II – PHARMACEUTICAL ANALYSIS

*Q.P. Code : 383814***Time : Three hours****Maximum : 70 Marks****I. Elaborate on:****(4 x 10 = 40)**

1. Describe the theory and instrumentation of Mass Spectroscopy.
2. What are the sources and types of molecular vibration in IR?
3. What is Chemical Shift and write the factors affecting Chemical Shift.
4. a) Write the preparation of TLC plate, and development techniques in TLC.
b) Write a note on HPTLC.

II. Write notes on:**(6 x 5 = 30)**

1. Explain the theory of Gel Electrophoresis.
2. Define Beers and Lamberts law and derive the equation.
3. Derive Bragg's law and write its significance.
4. What are the different types of currents in Polarography?
5. Write brief about ISO 9000.
6. Write about the detection techniques in paper Chromatography.
