

[LI 814]

APRIL 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 Flame Photometry.
2. Explain the electronic transitions in UV Spectroscopy.
3. Write the principle in Ion exchange Chromatography and the types of Ion exchange Resin.
4. Explain the theory and factors affecting Fluorescent intensity.

II. Write notes on :

(6 x 5 = 30)

1. Write a note on sample handling techniques in IR.
2. With neat labeled diagram, explain any two GC detectors.
3. Write short notes on Chromophores and Auxochromes.
4. Explain the theory of Gel Filtration Chromatography.
5. Write briefly about ICH guidelines.
6. What is Electrode Potential? Write about reference and indicator Electrode.
