

(LG 4270)

FEBRUARY 2015

Sub. Code: 4270

**FOURTH YEAR B.PHARM. EXAMINATION
PAPER IV – MODERN METHODS OF PHARMACEUTICAL
ANALYSIS**

Q.P. Code: 564270

Time: Three hours

Maximum: 100 marks

I. Essay: **(2 x 20 = 40)**

1. a) Write in detail about work principle and application of Fluorimeter.
b) Write the principle application and advantage of Amperometry.
2. a) Write a detail account on Ion exchange chromatography.
b) Write the principle, application advantage in TLC.

II. Short notes: **(8 x 5 = 40)**

1. Katharometer
2. Column Chromatography
3. Electrophoresis
4. GLP
5. Hydrogen electrode
6. Ultra centrifugation
7. Give the application of colorimetry
8. HPTLC

III. Short answers: **(10 x 2 = 20)**

1. Diffusion current
2. Give examples for indicator electrode
3. Chemical shift
4. Retention Volume
5. Auxochrome
6. Write the different types of monochromator
7. Tailing factor
8. What is Parent peak?
9. What's the expression for beers lamberts law?
10. Finger print region
