

[LG 354]

APRIL 2015

Sub. Code: 2915

**M.PHARM. DEGREE EXAMINATION
FIRST YEAR
BRANCH V – PHARMACEUTICAL ANALYSIS
PAPER III – ADVANCED PHARMACEUTICAL ANALYSIS**

Q.P. Code : 262915

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. a) Discuss various validation parameters as per ICH guidelines for method development using UV-Spectrophotometer.
b) Discuss the analytical application of following reagents. Paradimethyl amino benzaldehyde and ninhydrin.
2. a) Explain various methods used for estimation of sulphonamides.
b) Explain the principle and procedure for estimation of hydroxyl and amino group.

II. Write notes on:

(10 x 6 = 60)

1. Explain the procedure for determination of calcium.
2. Enumerate various methods available for determination of particle size and explain any one in detail.
3. Describe microbiological assay procedure for rabies antiserum.
4. Explain BABE
5. Discuss the calibration procedure for UV.
6. Write in detail various techniques for estimation of Vitamin A.
7. Explain the application of MBTH reagent.
8. Give the test for effectiveness for adsorbed diphtheria vaccine.
9. Write a note on analytical method development for HPTLC.
10. How will you estimate androgens?
