

[LE 354]

APRIL 2014

Sub. Code: 2915

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

Q.P. Code : 262915

Time : 3 hours

Maximum : 100 marks

I. Elaborate on :

(2x20=40)

1. a) Write detail on validation and calibration of Spectrofluorimeter.
b) Explain the principles and procedure involved in quantitative determination of
a) Amine b) Ketone groups.
2. Discuss the principle and procedure involved in the analysis of the following including official methods.
a) Adrenocortical steroids b) Vitamin E
c) Cinchona d) Chloramphenicol

II. Write notes on :

(10x6=60)

1. Analytical application of 2, 4-dinitro phenyl hydrazine.
2. How the elements of calcium and sulphur are determined?
3. Explain the official methods for the determination of Vitamin A.
4. Explain the principle and procedure involved in LAL'S test.
5. Explain the concept of X-ray powder diffraction technique.
6. Add a detailed note for the determination of Erythromycin.
7. Give the methods for the validation and calibration Gas Chromatography.
8. Explain the procedure for the Microbiological assay of Adsorbed diphtheria vaccine.
9. Explain the principle and procedure involved in the analysis of Ergot alkaloids.
10. Explain the method of determination of Strophanthin.
