

[LH 354]

OCTOBER 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 GC.  
b) Discuss the analytical application of 2, 6-dichloroquinone chlorimide and Folin Ciocalteu reagent.
2. a) Explain various methods used for estimation of barbituric acid derivatives.  
b) Explain the principle and procedure for estimation of aldehyde and ketone group.

**II. Write notes on:**

**(10 x 6 = 60)**

1. Explain the procedure for determination of chlorine.
2. Particle size analysis.
3. Describe microbiological assay procedure for cyanacobalamine.
4. Explain LAL test.
5. Discuss the calibration procedure for spectrophotometer.
6. Write in detail various techniques for estimation of Vitamin E.
7. Explain the application of ninhydrin reagent.
8. Give the assay of ergot alkaloids.
9. Write a note on analytical method development for HPLC.
10. How will you estimate progesterone?

\*\*\*\*\*