[LD 353] **OCTOBER 2013** **Sub. Code: 2914**

M.PHARM. DEGREE EXAMS

FIRST YEAR

BRANCH V – PHARMACEUTICAL ANALYSIS

PAPER II – PHARMACEUTICAL AND COSMETIC ANALYSIS

Q.P. Code : 262914

Time : 3 hours **Maximum : 100 marks**

I. Elaborate on : **(2x20=40)**

1. Explain the identification and quantitative determination for few of the following additives used in formulations.

   i) Emulsifiers and stabilizers ii) Preservatives

2. Give in detail on the analysis of various raw materials used in cosmetic preparations.

II. Write notes on : **(10x6=60)**

1. Describe the in process quality control tests employed for controlled released products.
2. Write on any TWO radio pharmaceutical components used for the treatment of diseases.
3. With example write on the principle and practice of gravimetric methods for assaying official compounds.
4. Give a note on the residual solvent determination according to ICH guidelines.
5. Explain various quality control tests employed for shampoos.
6. Briefly add note on accelerated stability testing and its limitation.
7. Write on evaluation of parenteral and sterile products.
8. How and why skin irritation tests are carried out for cosmetic products?
9. How does extraction of drugs carried out by Liquid Extraction?
10. Explain principle and procedure of drugs assayed by UV spectroscopic methods with suitable examples.

****