

[LL 353]

OCTOBER 2017

Sub. Code: 2914

**M.PHARM. DEGREE EXAMINATION
FIRST YEAR
BRANCH V – PHARMACEUTICAL ANALYSIS
PAPER II – PHARMACEUTICAL AND COSMETIC ANALYSIS**

Q.P. Code: 262914

Time: Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. How do stability testing of formulations carried out? Add note on shelf life predictions of drugs.
2. Discuss about identification and quantitative determination of preservatives and anti-oxidants used in pharmaceutical formulations.

II. Write notes on:

(10 x 6 = 60)

1. Write on concepts and practice of solid phase extraction.
2. Explain procedure for testing shaving cream and shaving lotion.
3. Give principle and procedure for the assay of benzoic acid IP and riboflavin IP.
4. Write on determination of related substances in pharmaceuticals.
5. Explain assay of drugs by Non Aqueous titration method.
6. Write briefly as radio pharmaceuticals and radiochemical methods.
7. Give various QC methods for Suppositories and creams.
8. Write on following raw materials used in cosmetics:
a) anti-oxidants b) Preservatives
9. Write QC for a) baby lotion b) Skin creams.
10. Explain the safety assessment test method for skin cosmetics.
