

[LK 353]

MAY 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. Explain in detail about the various extraction process for biological samples and discuss its merits and demerits.
2. Discuss in detail in process quality control test for parenteral and creams.

II. Write notes on:

(10 x 6 = 60)

1. Write the principle, reactions and procedure involved in the official assay of aluminium hydroxide gel.
2. How shelf life is predicted with accelerated stability testing?
3. How do you evaluate the quality of an ointments?
4. Discuss quality control test for soap.
5. List out raw materials used in cosmetics and discuss quality control test for any one of solvent used in cosmetics.
6. What is gravimetric analysis and explain with any one example?
7. Explain softening point and breaking point test of lipsticks.
8. What are preservatives? Classify them and explain identification and quantification of sodium benzoate.
9. Explain residual solvent impurities and their quality control test in pharmaceutical formulations.
10. Give different quality control tests for Radio pharmaceuticals.
