

[LG 353]

APRIL 2015

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 the various extraction process involved in biological sample analysis and their limitation and applications.
2. Explain the different method of analysis to assess the quality of the following cosmetic products.  
a) Lipsticks   b) Baby powder   c) Dental products   d) Hair care products

**II. Write notes on:**

**(10 x 6 = 60)**

1. Write the principle and procedure involved in the Assay of Calcium Gluconate tablets.
2. Discuss the ICH Guidelines for stability studies of drugs.
3. Write note on Radiochemical methods in analysis.
4. Give an account on safety and legislation of cosmetic products.
5. How the antioxidants present in pharmaceutical formulations are identified and determined?
6. How the dyes soluble in both Water and Alcohol are determined?
7. Quality control tests for Injections.
8. ISI Specification of Baby Shampoo.
9. Preservatives identification and quantification tests.
10. Discuss about ISI Specification of high grade Soap.

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