

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[M.PHARM 1223]

**DECEMBER 2023
(OCTOBER 2023 EXAM SESSION)**

Sub. Code: 2958

**M.PHARMACY DEGREE EXAMINATION
SEMESTER - II (PCI New Regulations 2016)
PHARMACEUTICAL ANALYSIS - MPA
PAPER IV – HERBAL AND COSMETIC ANALYSIS**

Q.P. Code: 262958

Time : Three hours

Answer ALL Questions

Maximum: 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. a) Write the principle and procedures involved in the determination of the following parameters with evaluation of cosmetic raw materials and finished products.
i) Iodine value ii) Saponification value iii) Heavy metals iv) Viscosity.

b) Explain Regulatory requirements for setting herbal drug industry.
2. a) Explain briefly about Stability testing of Natural products.
b) Elaborate on herbal drug standardization based on WHO and AYUSH guidelines.

II. Write notes on:

(7 x 5 = 35)

1. Write brief note on quality control of herbal drugs.
2. Write a note on challenges in monitoring safety of herbal drugs.
3. What do you mean by personal hygiene preparation? Give the general methods of analysis of raw material used in cosmetic manufacture as per BIS.
4. Write note on validation of herbal therapy.
5. Compare and contrast herbal medicine with conventional drugs.
6. Explain the principle and procedure involved in the determination of fitness of powder.
7. Explain the principle and procedure involved in the determination of peroxide value and acid value for cosmetic raw materials.
