

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

[M.PHARM 0823]

**AUGUST 2023
(APRIL 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) Discuss the stability testing of natural products.
b) Explain WHO and AYUSH guidelines for safety monitoring of natural medicine.
2. Explain the procedure and principle involved the determination of foreign matter, pesticide residue and photo toxin contamination of herbal drugs.

II. Write notes on:

(7×5=35)

1. Demonstrate the general methods involved in the prediction of quality of raw material used in cosmetics.
2. Explain the procedure and principle involved in the determination of foam content and SLS content of shampoo.
3. Write note on types of adulteration and substitution.
4. Compare and contrast any two monographs of herbal drugs.
5. Explain the procedure and principle involved in the determination of moisture content and ash value of herbal cosmetics.
6. Write note on effect of herbal medicine on clinical laboratory testing.
7. Write note on guidelines involved in export and import of herbal drugs.
