

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

**[M.PHARM 0524]**

**MAY 2024  
(APRIL 2024 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) Elaborate about Indian standard specification laid down on baby care products, hair products and skin creams by the Bureau Indian Standards.  
b) Explain about global marketing management of herbal drugs.
2. a) Explain about WHO and AYUSH guidelines of herbal drug standardisation.  
b) Write about causes and measures adulteration.

**II. Write notes on:**

**(7 x 5 = 35)**

1. Write note on determination of foreign matter in herbal drugs.
2. Explain about Indian standard specification laid down for testing of dental products.
3. Discuss about adulterant screening using modern analytical instruments.
4. Write note on determination of acid value and saponification value.
5. Explain about types of adulteration and substitution of herbal drugs.
6. Compare and contrast herbal drugs versus conventional drugs.
7. Explain the protocol of stability testing of natural products.

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