

FACULTY OF PHARMACY

**M. Pharmacy (Pharma. Analysis) II-Semester (PCI) (Suppl.) Examination,
January 2020**

Subject: Herbal & Cosmetic Analysis

Time: 3 Hrs

Max. Marks: 75

Note: Answer any five questions. All questions carry equal marks.

- 1 Explain the following: (15)
 - (a) Iodine value
 - (b) Peroxide value
 - (c) Ester value
- 2 Explain the following in the evaluation of cosmetic products. (15)
 - (a) Moisture content
 - (b) Viscosity
 - (c) Heavy metals
- 3 What are the different sampling and testing procedures of the following cosmetics products. (15)
 - (a) Baby care products
 - (b) Dental products
 - (c) Skin care products
- 4 Explain briefly the DNA finger printing techniques in identification of drugs. (15)
- 5 Briefly explain the WHO and AYUSH guidelines for safety monitoring of natural products. (15)
- 6 (a) Explain briefly the adulteration screening using modern analytical instruments. (8)
(b) Briefly explain the protocols for stability testing of natural products. (7)
- 7 (a) Describe different measures used in monitoring the safety of herbal products. (7)
(b) Explain with suitable examples abt: (8)
 - (i) bio drug –drug interactions
 - (ii) bio drug-food interactions
- 8 Explain the protocols of Indian and International patent laws applicable in herbal drugs and natural products. (15)
