

**AU-896**

**Faculty of Cosmetic Technology**  
**M.Tech. (Herbal Cosmetic) Semester—II (New) Examination**  
**ADVANCED HERBAL COSMETICS-I**  
**Paper—2-T-1**

Time : Three Hours]

[Maximum Marks : 80

**INSTRUCTIONS TO CANDIDATES**

- (1) All questions carry equal marks.
  - (2) Answer any FIVE questions.
  - (3) Diagrams and Chemical equations should be given wherever necessary.
  - (4) Illustrate your answers wherever necessary with the help of neat sketches.
  - (5) Use pen of Blue/Black ink/refill only for writing the answer book.
1. Discuss in detail herbs responsible for managing skin pigmentation. Describe in detail cosmetic importance with mechanism of action of such herbs. 16
  2. Discuss in detail various oils used in Aromatherapy. Write a note on their significances and uses.

**OR**

Write role of herbs used as :

- (i) Cleansing (ii) Anti-bacterial 16
3. Describe in detail about Binders and Emulgents herbs by giving emphasis on their phytochemical constituents and their role in cosmetic formulations. 16
4. Write importance of standardization of herbal extracts as per WHO guidelines. Add a note on HPLC method employed for standardization of herbs. 16
5. Discuss in detail :
  - (i) Chromatographic techniques applied to natural products
  - (ii) Isolation and purification of natural products.

**OR**

Write notes on :

- (i) Anticellulite
- (ii) Herbs used as emollients. 16