

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B.PHARM - SEMESTER- 7 EXAMINATION – SUMMER -2019**

**Subject Code: 2270011****Date: 20-05-2019****Subject Name: Herbal Cosmetics****Time: 02:30 PM TO 05:30 PM****Total Marks: 80****Instructions:**

1. Attempt any five questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) Write safety requirements as per schedules of Drugs and Cosmetic act. **06**  
(b) Discuss in detail about BIS Guidelines for herbal cosmetics. **05**  
(c) Write down the importance of natural gums and hydrocolloids for the cosmetics. **05**
- Q.2** (a) Write a note on hair structure and physiology, with labeled diagram. **06**  
(b) Write a note on herbal hair growth promoters **05**  
(c) Write a note on neem, lemon and aritha as antidandruff herbs. **05**
- Q.3** (a) Discuss the ideal requirement of shampoo and give the different types of shampoo and its ingredients. **06**  
(b) Write a note on herbs used as hair tonics **05**  
(c) Write a note on herbal hair colourants **05**
- Q.4** (a) Write a note on skin structure and physiology, with labeled diagram. **06**  
(b) Write a note on skin pigmentation. **05**  
(c) Write a note on cleansing agent. **05**
- Q.5** (a) Explain scope and present status of herbal cosmetics in India. **06**  
(b) Write note on aloe for skin care. **05**  
(c) Herbs used as anti-wrinkle and antiseptic. **05**
- Q. 6** (a) Write down the natural raw materials for perfumes and give its importance in cosmetic formulations. **06**  
(b) Write a short note on herbs used as antioxidants and antiseptic. **05**  
(c) Define and classify herbal cosmetics. **05**
- Q.7** (a) Give source and description of fixed oils and preservatives used as raw material in herbal cosmetics. **06**  
(b) Write note on Herbs for antibacterial and antifungal activity. **05**  
(c) Give the detail note on plant used as astringent. **05**

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