

Seat No.: _____

Enrolment No. _____

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

Subject Code: 2270011**Date: 28-11-2019****Subject Name: Herbal Cosmetics****Time: 10:30AM TO 01:30PM****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) Define herbal cosmetics. Discuss historical background of herbal cosmetics. 06
Describe scope of herbal cosmetics.
- (b) Describe classification of herbal cosmetics in details. 05
- (c) Discuss about present and future status of market of herbal cosmetics. 05
- Q.2** (a) Describe in detail sources of fixed oils and waxes used in herbal cosmetics. 06
- (b) Describe in detail sources of colours and perfumes useful in herbal cosmetics. 05
- (c) Describe in detail the bleaching agents and preservative used in herbal cosmetics. 05
- Q.3** (a) Describe skin structure and physiology in detail. 06
- (b) Name different herbal cleansing and emollient agents, describe their role in detail. 05
- (c) Give names of different herbal astringents and freshening agents and describe their action in detail. 05
- Q.4** (a) Give names of herbs and their active constituents which are used as antioxidant, antiseptic and antifungal. 06
- (b) Describe in detail structure and physiology of hair. 05
- (c) Give names, sources and active constituents of the herbs useful as hair growth promoters. 05
- Q.5** (a) Describe names, biological sources and active constituents of the herbs which are used as hair tonics. 06
- (b) Give names, biological sources and active constituents of three herbs which are useful as anti-dandruff. 05
- (c) Give names, botanical sources and active constituents of three herbs which are used as hair cleansing agent. 05
- Q.6** (a) Describe in detail provisions for packing and labeling of cosmetics as per drugs and cosmetics Act 1940. 06
- (b) Discuss BIS guidelines for cosmetic products and raw materials. 05
- (c) Write a short note on the herbs which are used for skin pigmentation. 05
- Q.7** (a) Give names, botanical sources and active constituents of three herbs which are useful as hair colorants. 06
- (b) Mention names, biological sources and active constituents of the herbs useful as hair grooming agents. 05
- (c) Write a note on gums and hydrophilic colloids useful in the formulation of herbal cosmetics. 05
