

Seat No.: M200010Enrolment No. 172020826001**GUJARAT TECHNOLOGICAL UNIVERSITY**
M.Ph. - SEMESTER- II • EXAMINATION – SUMMER -2018**Subject Code:MPG204T****Date: 21/05/2018****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) Give the classification of surfactants with examples. Explain application of surfactants in cosmetic product. 06
- (b) How to issue loan license for cosmetics. Explain offences and penalties for cosmetics manufacturing. 05
- (c) Give the preparation and standardization of tonic and bleaches. 05
- Q.2 (a) Discuss Regulatory provisions relating to manufacture of cosmetics. Explain Conditions for obtaining license. 06
- (b) How to perform preformulation and compatibility studies in cosmetic product? Explain in brief. 05
- (c) How to import & export of herbal/natural cosmetics? Explain in brief. 05
- Q.3 (a) Explain herbal cleansing product and care needs for face, eye lids and lips. 06
- (b) Describe herbal face powders and face packs. 05
- (c) Give the preparation and standardization of dentifrices and mouth washes. 05
- Q.4 (a) Explain physiology and chemistry of skin and pigmentation. 06
- (b) Write about herbal materials use in cleansing cream, lotions and face powders. 05
- (c) Give the preparation and evaluation of herbal hair growth formulations, shampoos and conditioners. 05
- Q.5 (a) Describe formulation of herbal vanishing & foundation creams. 06
- (b) Give the preparation and standardization of tooth pastes 05
- (c) Discuss herbal lipsticks and bath products. 05
- Q.6 (a) Explain Structure of hair and hair growth cycle. 06
- (b) What are the challenges in formulation aspects with herbal cosmetics? 05
- (c) Give the formulation of herbal soaps and baby product. 05
- Q.7 (a) Explain herbal colorants & herbal hair oils. 06
- (b) Give the formulation of herbal anti-sun burn preparations, moisturizing creams and deodorants. 05
- (c) Give the quality control and toxicity studies as per drug and cosmetics act. 05
