

GUJARAT TECHNOLOGICAL UNIVERSITY
B.Ph. SEMESTER- VIII-EXAMINATION – SUMMER -2022

Subject Code: BP809TT**Date: 04/06/2022****Subject Name: Cosmetic Science****Time: 10:30am to 01:30pm****Total Marks: 80**

- Q.1** (a) Define cosmetics as per Indian and EU regulations and write evaluation parameters for the same. **06**
(b) Applications of surfactants in cosmetics and cosmeceuticals. **05**
(c) Write a note on common problems associated with oral cavity. **05**
- Q.2** (a) Give detail account of various building blocks for formulation of body creams. **06**
(b) Discuss cosmetics as quasi and OTC drugs. **05**
(c) Discuss in detail about basic structure and function of Skin **05**
- Q.3** (a) Explain hair growth cycle. **06**
(b) Describe the chemistry and formulation of para-phenylene diamine based hair dye. **05**
(c) Explain the mechanism of action of deodorants. **05**
- Q.4** (a) Discuss the various analytical specifications for shampoos as per BIS. **06**
(b) What is TEWL? How it is measured by closed chamber method? **05**
(c) , Explain Corneometer with neat-labeled diagram **05**
- Q.5** (a) What is dry skin? Write in detail about causes of dry skin and give the remedies to prevent and relieve dry skin. **06**
(b) What is Dermatitis? Describe methods to manage it. **05**
(c) What is SPF and SPF sunscreen? List and explain anyone method of measurement of SPF. **05**
- Q.6** (a) Define herb. Discuss the role of herbs as cosmetic and cosmeceutical excipients. **06**
(b) Write the source, active constituents and cosmetic applications of turmeric and clove. **05**
(c) Discuss the role of Heena and Amla in hair care formulations. **05**
- Q.7** (a) Explain different types of prickly heat and discuss the general treatment of it. **06**
(b) Explain the mechanism of antiperspirants. **05**
(c) Define tensile strength of a hair. How it is measured? Write the limitations of hair tensile strength measurement. **05**
