

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B.PHARM - SEMESTER– 8 EXAMINATION – WINTER -2024**

**Subject Code:BP809TT****Date: 26-11-2024****Subject Name: Cosmetic Science****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.

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|-------------|-----|--|-----------|
| <b>Q.1</b>  | (a) | Write a note on basic structure and function of skin.  | <b>06</b> |
|             | (b) | Explain cosmetics as quasi and OTC drugs.  | <b>05</b> |
|             | (c) | Define cosmetics as per Indian and EU regulations. Discuss the role of humectants and emollients in various cosmetic preparations with examples. | <b>05</b> |
| <b>Q.2</b>  | (a) | Discuss common problems associated with teeth and gums.  | <b>06</b> |
|             | (b) | Explain cosmeceuticals in detail.  | <b>05</b> |
|             | (c) | Define Vanishing cream and Cold cream. Give advantages and disadvantages of cold cream.  | <b>05</b> |
| <b>Q.3</b>  | (a) | Write about chemistry and formulation of Para-phenylene diamine based hair dye.  | <b>06</b> |
|             | (b) | Explain formulation consideration for tooth paste.   | <b>05</b> |
|             | (c) | Discuss ideal requirements of Shampoo and the different types of Shampoo and its ingredients.  | <b>05</b> |
| <b>Q.4</b>  | (a) | Write a note on Mouthwash.   | <b>06</b> |
|             | (b) | Discuss BIS specification and analytical methods for shampoo.  | <b>05</b> |
|             | (c) | Define Herb and explain the specific role of aloe and turmeric as skin care cosmetics.   | <b>05</b> |
| <b>Q.5</b>  | (a) | Classify Sunscreens and discuss in detail role of SPF in sunscreen formulations with examples.   | <b>06</b> |
|             | (b) | Write the source, active constituents and cosmetic applications of Neem and Clove.   | <b>05</b> |
|             | (c) | How will you measure TEWL by closed chamber method? Explain different methods for TEWL measurements.   | <b>05</b> |
| <b>Q. 6</b> | (a) | Write details on principles of sebumeter.  | <b>06</b> |
|             | (b) | Write a detail about soap and syndet bars.   | <b>05</b> |
|             | (c) | Explain corneometer with neat and clean diagram.   | <b>05</b> |
| <b>Q.7</b>  | (a) | What is Dermatitis? Give methods to manage dermatitis.   | <b>06</b> |
|             | (b) | Discuss about dandruff and Hair fall causes.   | <b>05</b> |
|             | (c) | Discuss about blemishes, wrinkles and acne.  | <b>05</b> |

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