

GUJARAT TECHNOLOGICAL UNIVERSITY**B.PHARM - SEMESTER- 8 EXAMINATION – SUMMER-2024****Subject Code:BP809TT****Date: 03/05/2024****Subject Name: Cosmetic Science****Time: 10.30 a.m. to 1.30 p.m.****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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| Q.1 | (a) | Define cosmetics as per Indian and EU regulations and Discuss evolution of cosmeceuticals. | 06 |
| | (b) | Define Rheologymodifiers and Humectants. Discuss classification and application of them. | 05 |
| | (c) | Explain Basic structure of hair and Hair growth cycle. | 05 |
| Q.2 | (a) | Discuss Common problem associated with teeth and gums. | 06 |
| | (b) | Discuss vanishing cream. | 05 |
| | (c) | Explain Chemistry and formulation of Para-phylyene diamine-based hair dye. | 05 |
| Q.3 | (a) | Explain Antiperspirant and Deodorant. | 06 |
| | (b) | Discuss classification of sunscreens and SPF. | 05 |
| | (c) | Explain role of Neem and clove in Oral care products. | 05 |
| Q.4 | (a) | Discuss BIS specification and analytical methods for skin cream. | 06 |
| | (b) | Discuss role of Amla and Aloe in cosmetics. | 05 |
| | (c) | Explain cosmetics as quasi and OTC drugs. | 05 |
| Q.5 | (a) | Discuss Principles of sebumeter and corneometer. | 06 |
| | (b) | Discuss Skin Color and Hair tensile strength. | 05 |
| | (c) | Explain the procedure for measurement of TEWL. | 05 |
| Q. 6 | (a) | Define: Surfactants, Emollients, Sun protection, Dermatitis, Wrinkles, Dandruff, Herbal cosmetics. | 06 |
| | (b) | Discuss about comedogenic. | 05 |
| | (c) | Discuss problems associated with Hair fall and Blemishes. | 05 |
| Q.7 | (a) | Discuss problems associated with prickly heat and body odor. | 06 |
| | (b) | Explain in brief formulation of anti-dandruff shampoo. | 05 |
| | (c) | Discuss Causes and treatment of dry skin. | 05 |
