

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B.Ph- SEMESTER-VIII • EXAMINATION – WINTER -2022**

**Subject Code: BP809TT**  
**Subject Name: Cosmetic Science**  
**Time: 02:30pm to 05:30pm**

**Date:23/12/2022**

**Total Marks: 80**

**Instructions:**

1. Attempt any five questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

<b>Q.1</b>	(a) Explain cosmeceutical in detail.	<b>06</b>
	(b) Write a note on basic structure and function of skin.	<b>05</b>
	(c) Explain in brief common problem associated with teeth and gums.	<b>05</b>
<b>Q.2</b>	(a) Give overview of formulation and building blocks of oral care products.	<b>06</b>
	(b) Write a note on application of skin care products in formulation of cosmeceuticals.	<b>05</b>
	(c) Discuss in brief actives & mechanism of action of deodorants.	<b>05</b>
<b>Q.3</b>	(a) Discuss classification of sunscreens and SPF.	<b>06</b>
	(b) Write about role of henna and amla in hair care products.	<b>05</b>
	(c) Discuss BIS specification and analytical methods for shampoo	<b>05</b>
<b>Q.4</b>	(a) Write details on principles of sebumeter.	<b>06</b>
	(b) Discuss the procedure for measurement of TEWL.	<b>05</b>
	(c) Write a note on hair tensile strength evaluation.	<b>05</b>
<b>Q.5</b>	(a) Explain the term comedogenic.	<b>06</b>
	(b) Discuss about dandruff, Hair fall causes.	<b>05</b>
	(c) Write a note on cosmetic problem associated with skin.	<b>05</b>
<b>Q. 6</b>	(a) Explain formulation and building blocks of hair conditioner.	<b>06</b>
	(b) Discuss about formulation of toothpaste for bleeding gums	<b>05</b>
	(c) Write about chemistry and formulation of Para-phylyene diamine based hair dye.	<b>05</b>
<b>Q.7</b>	(a) Discuss on hair growth cycle.	<b>06</b>
	(b) Write a note on cosmetic excipients.	<b>05</b>
	(c) Explain in brief formulation of anti-dandruff shampoo.	<b>05</b>

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