

SECTION B (20 Marks)**(2Qx10M=20 Marks)****Attempt 2 Question out of 3**

Q 1	a. Elaborate the mechanism of action of organic and inorganic sunscreen. (5 marks) b. Discuss the measurement of effectiveness of sunscreen. (5 marks)	10	CO3
Q 2	a. Define excipients with suitable examples. (2 marks) b. Explain surfactants and preservatives used in cosmetic formulation focusing on their classification, mechanism of action and examples. (8 marks)	10	CO2
Q 3	Design the formula for a cold cream and vanishing cream, justifying the role of various ingredients used in the formulation.	10	CO3

SECTION-C (35 Marks)**(7Qx5M=35 Marks)****Attempt 7 Question out of 9**

Q 1	Explain functions and structure of skin with a well-labelled diagram.	2+3	CO1
Q 2	Discuss the evolution of cosmeceuticals from cosmetics in brief.	5	CO2
Q 3	Describe the types of hair dyes.	5	CO2
Q 4	Describe briefly about humectants with examples.	5	CO3
Q 5	State one difference between antiperspirant and deodorant. Explain the mechanism of action of antiperspirants.	1+4	CO3
Q 6	Discuss the role of neem and clove in oral care formulations.	5	CO4
Q 7	Explain any two diseases related to oral cavity.	5	CO4
Q 8	Illustrate the consequences and measurement of transepidermal water loss.	5	CO5
Q 9	Discuss various analytical specifications for skin creams as per BIS.	5	CO5