

Unique Paper Code : 32173910

Name of the paper : SEC-Chemistry of Cosmetics and Perfumes

Name of Course : B.Sc. Prog.

Semester : VI

Duration : 3 Hours

Maximum Marks: 38

Instructions for the Candidate:

1. Attempt **two** questions in all.
2. All questions carry 19 marks.
3. Attempt all parts of a question together.

1 a) **Match the following**

Glycerin	Foaming Agent
Sodium chloride	Sequestering Agent
Citric acid	UV stabilizer
Monosodium glutamate (MSG)	Humectant
EDTA	pH adjustment
Stearic acid	Emulsifier
Benzophenone-4	Thickening Agent
CAPB	Artificial flavor

- b) What is a vanishing cream? Give the steps involved in its formulation.
- c) Explain the use of ammonia and hydrogen peroxide in oxidative hair dyes.
- d) Name the two common fixating agents used in a hair spray
- e) What are the raw material used in the preparation of the deodorants?

4, 4, 4, 3, 4

2 a) What are essential oils? Discuss the solvent extraction method for their extraction.

- b) Explain the role of conditioners and surfactants in a hair shampoo.
- c) How are face powder and talcum powder different from each other?
- d) What are the common ways to reduce or eliminate body odour?
- e) What are the properties of good hair remover?

4, 4, 3, 4, 4

- 3 a) Discuss the classification of hair dyes on the basis of the ingredients present in them.
- b) Specify the role of waxes used in a lipstick. Give their two examples.
- c) Give two examples of artificial flavours commonly used in cosmetic products.
- d) Write the structure and uses of any two essential oils.
- e) What are sunscreens? Explain the significance of SPF in sunscreens.

4, 4, 3, 4, 4

4 a) Write short notes on following

- I. Nail lacquer and nail polish remover
- II. Hair gels and hair sprays
- III. Methods of hair removal
- IV. Antidandruff shampoo

b) What is the role of borax in the formulation of a cold cream.

c) List the ingredients in the preparation of Talcum powder, face powder and compact powder

3X4, 3, 4