

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