

**2024/TDC(CBCS)/ODD/SEM/
CHMSEC-502T/355**

TDC (CBCS) Odd Semester Exam., 2024

**CHEMISTRY
(5th Semester)**

Course No. : CHMSEC-502T

(Chemistry of Cosmetics and Perfumes)

Full Marks : 50

Pass Marks : 20

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

UNIT—I

1. Answer any *three* from the following : 1×3=3

- (a) What is the basic function of hair dye?
- (b) Why is sunscreen lotion used for?
- (c) Name the main ingredients of lipstick.
- (d) What is the use of talcum powder?

2. Answer any *one* from the following : 2

(a) What are the characteristics of good lipsticks?

(b) Write the basic difference between semi-permanent and demi-permanent hair dye.

3. Answer any *one* from the following : 5

(a) Write about the classification of hair dye. Mention the common chemicals used in hair dye and discuss its method of preparation. 2+3=5

(b) What is shampoo? What is its use? Discuss the preparation of shampoo. 1+1+3=5

UNIT—II

4. Answer any *three* from the following : 1×3=3

(a) What is the use of cold cream?

(b) What are vanishing creams?

(c) What is the use of antiperspirant?

(d) What is the role of stearic acid in vanishing creams?

5. Answer any *one* from the following : 2

(a) Briefly discuss the composition of deodorant and its function.

(b) Mention the basic difference between cold cream and vanishing cream.

6. Answer any *one* from the following : 5

(a) What are the ingredients used in shaving cream? Discuss the method of preparation of shaving cream. 2+3=5

(b) What are artificial flavours? Give some examples of artificial flavours. Why is it used in cosmetics? 1+2+2=5

UNIT—III

7. Answer any *three* from the following : 1×3=3

(a) Name the natural source of geraniol.

(b) Draw the molecular structure of eugenol.

(c) How does eucalyptus oil help in cosmetic formulations for oily skin?

(d) Give one use of rose oil.

8. Answer any *one* from the following : 2
- (a) Write a short note on sandalwood oil.
- (b) Outline the composition of rose oil.
9. Answer any *one* from the following : 5
- (a) What are essential oils? Discuss the importance of essential oils in cosmetics. 2+3=5
- (b) Describe the importance and method of preparation of geraniol or rose oil. 2+3=5

UNIT—IV

10. Answer any *three* from the following : 1×3=3
- (a) Why is alkaline pH necessary in the preparation of hair remover?
- (b) What is the chemical composition of talcum powder?
- (c) Give one use of enamel.
- (d) What is the pH range of shampoo?
11. Answer any *one* from the following : 2
- (a) Write the basic difference between face powder and talcum powder.
- (b) Discuss briefly the composition of hair remover.

12. Answer any *one* from the following : 5

(a) Discuss the method of preparation of enamels.

(b) Describe the method of preparation of hair remover.

UNIT—V

13. Answer any *three* from the following : 1×3=3

(a) What is the use of nail polish?

(b) Write True or False :

Nail polish remover is used to remove the nails.

(c) Name the solvent used in nail polish remover.

(d) What is the use of face cream?

14. Answer any *one* from the following : 2

(a) Mention the raw materials used in nail polish.

(b) What are the main constituents of face cream?

(6)

15. Answer any one from the following : 5

(a) Discuss the method of preparation of nail polish.

(b) Write in detail the method of preparation of face cream.
