

**2025/TDC (CBCS)/ODD/SEM/
CHMSEC-501T/441**

TDC (CBCS) Odd Semester Exam., 2025

CHEMISTRY

(5th Semester)

Course No. : CHMSEC-501T

(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) Name the main ingredients of hair dye.

(b) What is hair spray used for?

(c) What is the use of face powder?

(d) Name the main ingredients of talcum powder.

(2)

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

(a) What are the characteristics of a good shampoo?

(b) Write the basic difference between hair spray and shampoo.

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

(a) What is hair dye? What is its use? Discuss the preparation of hair dye.

1+1+3=5

(b) Write about the classification of talcum powder. Mention the common chemicals used in talcum powder and discuss its method of preparation. 2+3=5

UNIT—II

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

(a) What is the use of vanishing cream?

(b) What is the use of antiperspirants?

(c) What is the use of artificial flavours?

(d) What is the use of shaving cream?

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

(a) Briefly describe the composition of shaving cream.

(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 vanishing cream? Discuss the method of preparation of vanishing cream. 2+3=5

(b) What are antiperspirants? Give some examples of antiperspirants. Why are they 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 eugenol.

(b) Draw the molecular structure of eugenol.

(c) How is rose water helpful for oily skin?

(d) Give one use of sandalwood oil.

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

(a) Write a short note on essential oil.

(b) Write a short note on eugenol.

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

(a) What is geraniol? Discuss the importance of geraniol in cosmetics. 2+3=5

- (b) Describe the importance and method of preparation of rose oil or eugenol. 2+3=5

UNIT—IV

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

- (a) What is the chemical composition of sandalwood oil?
- (b) Give one use of hair remover.
- (c) What is the pH range of shampoo?
- (d) Give one use of talcum powder.

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

- (a) Describe briefly the composition of hair remover.
- (b) Describe briefly the composition of shampoo.

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

- (a) Describe the method of preparation of shampoo.
- (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 remover?

(5)

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

(c) What is the use of nail polish?

(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 remover.

(b) What are the main constituents of nail polish?

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

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

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