

**2022/TDC/ODD/SEM/
CHMSEC-501T/297**

TDC (CBCS) Odd Semester Exam., 2022

CHEMISTRY

(5th Semester)

Course No. : CHMSEC-501T

(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* questions from the following : 1×3=3
- (a) Name the pigment present in hair.
- (b) Why is sunscreen lotion used for?
- (c) Which oil is used in lipstick?
- (d) What is the meaning of talcum in talcum powder?

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

(a) What do you mean by SPF-50?

(b) What is the basic difference in semi-permanent and demi-permanent hair dye?

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

(a) What is shampoo? What is its use? What are the common ingredients used in the preparation of shampoo?

(b) Outline the classification of hair dye. What are the common chemicals used in hair dye? Discuss the method of preparation.

UNIT—II

4. Answer any *three* questions from the following : $1 \times 3 = 3$

(a) Fill in the blank :

_____ are products designed to reduce sweat is skin.

(b) What is the full form of SPF?

(c) What is the use of cold cream?

(d) What is artificial flavour?

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

(a) Discuss the composition of vanishing cream.

(b) What is the basic difference between cold cream and vanishing cream?

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

(a) Discuss the formulation of shaving cream along with its method of preparation.

(b) Give some examples of artificial flavour. What is the purpose of artificial flavour in cosmetics?

UNIT—III

7. Answer any *three* questions from the following : $1 \times 3 = 3$

(a) Draw the molecular structure of eugenol.

(b) What is the natural source of geraniol?

(4)

- (c) Give one example of essential oil.
- (d) Draw the molecular structure of 2-phenylethyl alcohol.
8. Answer any *one* question from the following : 2
- (a) Write a short note on eucalyptus oil.
- (b) Outline the composition of rose oil.
9. Answer any *one* question from the following : 5
- (a) Discuss the importance of essential oil in cosmetics.
- (b) Describe the method of preparation of eugenol or geraniol.

UNIT—IV

10. Answer any *three* questions from the following : $1 \times 3 = 3$
- (a) What is the chemical composition of hair remover?
- (b) Why is talcum powder used for?

(c) Is there any difference between nail polish and nail enamels?

(d) What is the pH range of shampoo?

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

(a) Mention the basic difference between face powder and talcum powder.

(b) Discuss the chemical composition of nail enamels.

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

(a) Describe in brief the method of preparation of talcum powder.

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

UNIT—V

13. Answer any *three* questions from the following : $1 \times 3 = 3$

(a) What is the use of face cream?

(b) Why is nail polish used for?

(c) Give one example of natural shampoo.

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

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

(a) How can face cream be prepared?

(b) Mention the composition of nail enamel.

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

(a) Describe the method of preparation of shampoo.

(b) Describe the method of preparation of nail polish.

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