



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

P.G. DEGREE EXAMINATION – CROSS DISCIPLINARY

SECOND SEMESTER – APRIL 2023

PCH2CD01 – CHEMISTRY OF CONSUMER PRODUCTS

Date: 12-05-2023

Dept. No.

Max. : 100 Marks

Time: 01:00 PM - 04:00 PM

SECTION A – K1 (CO1)

Answer ALL the questions

(5 x 1 = 5)

1. **Answer the following**

- a) Write any two main ingredients of detergents
- b) Mention two medicated soaps.
- c) What is meant by saponification of oil?
- d) Outline the preparation of lipsticks.
- e) Identify the role of WHO.

SECTION A – K2 (CO1)

Answer ALL the questions

(5 x 1 = 5)

2. **Fill in the blanks**

- a) AGMARK is a standard for _____
- b) The composition of eyebrow pencil is _____
- c) An example of skin bleaching agents is _____
- d) Expand PFA _____
- e) Most common ingredient of snow and face cream is _____

SECTION B – K3 (CO2)

Answer any THREE of the following in 300 words

(3 x 10 = 30)

- 3. Compare Soaps from detergents.
- 4. Explain the types and applications of fixatives.
- 5. Outline the ingredients, preparation methods involved in the manufacturing of antiperspirants.
- 6. Mention the adulterants used in spices and vegetable oil and its impact on our health.
- 7. Illustrate the Quality control check in India and the initiatives over food safety.

SECTION C – K4 (CO3)

Answer any TWO of the following in 500 words

(2 x 12.5 = 25)

- 8. Explain the mechanism of action and types of detergents.
- 9. Analyze in detail the manufacturing and sulphonation of LAB.
- 10. Discuss the chemical composition of makeup products and its hazardous effect on environment.
- 11. Analyze groups of odorous substances and the methods of extraction from essential oils.

SECTION D – K5 (CO4)

Answer any ONE of the following in 750 words

(1 x 15 = 15)

- 12. Evaluate the formulation of detergent powders and soaps, liquid detergents and foam boosters.
- 13. Compare cationic and non-ionic detergents and its applications.

SECTION E – K6 (CO5)

Answer any ONE of the following in 1000 words

(1 x 20 = 20)

14. Write in detail about the food adulteration and various prevention methods.

15. Briefly explain the following.

- (i) Antiperspirants (ii) Bleaching agents for skin
(iii) face and skin powders (iv) Lipstics.

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