



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

P.G. DEGREE EXAMINATION – CROSS DISCIPLINARY

SECOND SEMESTER – APRIL 2024

PCH2CD01 – CHEMISTRY OF CONSUMER PRODUCTS

Date: 12-04-2024

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

- Give any two main ingredients of soap.
- List one example each of cationic and anionic detergents.
- What is expression in perfume making?
- Give the preparation of Nail polish remover.
- Identify the role of FSSAI.

SECTION A – K2 (CO1)

Answer ALL the questions

(5 x 1 = 5)

2 Define the following

- Saponification of oils.
- Non-ionic detergents.
- Perfumes.
- Antiperspirants.
- Food Adulterations.

SECTION B – K3 (CO2)

Answer any THREE of the following

(3 x 10 = 30)

- Explain the mechanism of action of soap in cleansing with suitable diagram.
- Compare cationic and anionic detergents.
- Discuss in detail the types of fixatives and its applications.
- Explain the ingredients, functions and various types of face and skin powders.
- Write in detail about food preservation and processing methods.

SECTION C – K4 (CO3)

Answer any TWO of the following

(2 x 12.5 = 25)

- Provide a comparative account of soaps and detergents, biodegradation-environmental effects.
- Explain any two methods of extraction of odorous substances from essential oils.

10	Discover the ingredients, preparation methods involved in the manufacturing of antiperspirants.
11	Choose the adulterants used in milk products and vegetable oil and its impact on our health.
SECTION D – K5 (CO4)	
	Answer any ONE of the following (1 x 15 = 15)
12	Evaluate the testing procedures to ensure the quality of soap.
13	Illustrate the Quality control check in India and the initiatives over food industry.
SECTION E – K6 (CO5)	
	Answer any ONE of the following (1 x 20 = 20)
14	Explain in detail the food adulteration and prevention methods.
15	Formulate different types of perfumes and ingredients of perfume chemistry in detail.
