

## Certificate Course in Perfumes & Other Cosmetics – Syllabus- 2024-2025

**Course Code: CERSKCCHEM001/24**

Name of Department: Chemistry

Name of Certificate Course: Perfumes & Other Cosmetics

Duration for course: 30 hrs, Theory (25hrs), Practical Session (5hrs)

### **Module I Introduction to Cosmetics (8hrs)**

Cosmetics: General introduction, definition, chemistry and classification, Talcum powders (Toilet Powders), Tooth paste, Hair dye, Face Creams, sun screen preparations, UV absorbers, Cleansing creams: Cold creams, vanishing creams and bleach creams, Toxicology of cosmetics.

### **Module II Perfumes & shampoos (7 hrs)**

Simple perfumery material, basic idea about Top notes, Middle notes, End Notes, Natural perfumery materials - vertivert oil, sandalwood oil and jasmine oil. Synthetic perfumery materials & their side effects, Deodorants. Shampoos (Ingredients and functions), Different kinds of shampoos: Anti-dandruff, herbal and baby shampoos.

### **Module III (5 hrs) Soaps**

Soaps: Introduction, Oils and other Ingredients used for soap making, manufacture of soaps. Types of soap, Toilet soap, Baby soap, medicated soap, washing soap, cleansing action, advantages and limitations of soap as cleansing agents.

### **Module IV (5 hrs) Hand sanitizers & Hand wash**

Basic idea about sanitizers & hand wash, Hand sanitizer types, various ingredients in sanitizers & hand wash and their functions, usage and possible side effects. Advantages of hand wash over sanitizers.

### **Module V (5 hrs)**

Preparation of soaps

Preparation of Handmade soap (Practical Session) & hand wash, Quality control of soap, Total Fatty Matter (TFM), Moisture content, Grades of soap.

### **References**

1. B. K. Sharma, *Industrial Chemistry*, Krishna Prakashan Media, 1991.
2. B. K. Sharma, *Industrial Chemistry*, Goel publishing house, Meerut, 1995
3. M. S. R. Winter, *A Consumer's Dictionary of Cosmetic Ingredients*, 7<sup>th</sup> Edn., Three Rivers Press, New York, 2009.

**DEPARTMENT OF CHEMISTRY**  
**Certificate Course on Perfumes & Other Cosmetics**

**2024-2025**

Course code: CERSKCCHEM001/24

**Introduction:** Certificate course in Perfumes & Other Cosmetics which gives the basic knowledge of Sanitizers, Cosmetics and Soaps. The course will help to understand the chemistry and formulations of various cosmetics such as Talcum powder, Perfumes, Shaving Creams, Shampoos, Hair dye, Deodorants, preparation of Soaps and hand wash and also include the quality evaluation methods of soaps. The course will conduct online and offline mode. The syllabus includes both theory and practical.

**Course objective:** Candidate who are expecting to find employment or upgrade their knowledge and skills in the personal care sector and a host of supporting industries.

**Outcome of course:** At the end of course students will able to understand the chemistry and of various Perfumes, Cosmetics and Soaps. It also provides practical knowledge on the manufacture of soaps and its quality evaluation. The course also provides knowledge on sanitizers and their preparation.

Organization of course content

Course content	Type of activity	Hours engaged
Acquiring knowledge	Theory	25
Applying theoretical / practical skills	Practical	5
Assessment	Test paper	1

Dr. Sreeja T.D  
(Course Director)

Dr. Suresh V. Nampoothiri  
(Course Coordinator)