

Certificate Course in Sanitizers, Cosmetics and Soaps – Syllabus- 2023-2024

Course Code: CERSKCCHEM001/23

Name of Department: Chemistry

Name of Certificate Course: Sanitizers, Cosmetics and Soaps

Syllabus for course: 30 hrs, Theory (25hrs), Practical Session (5hrs), Duration: 3 months

Module I Introduction to Cosmetics (10 hrs)

Cosmetics: General introduction, definition, chemistry and classification, Talcum powders (Toilet Powders), Tooth paste, Hair dye, Deodorants, Perfumes, Antiperspirants, Basic Skin Type, Face preparations, Cleansing, Moisturizing, Skin Care products, Face Creams, sun screen preparations, UV absorbers, Cleansing creams: Cold creams, vanishing creams and bleach creams, Turmeric and Neem preparations, Practical application of cosmetics. Toxicology of cosmetics.

Module II Hair treatment (5 hrs)

Shaving Creams, Shampoos (Ingredients and functions), Different kinds of shampoos: Anti-dandruff, anti-lice, 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

Basic idea about sanitizers, Hand sanitizer types, various ingredients in sanitizers and their functions, usage and possible side effects.

Module V (5 hrs)

Preparation of soaps and sanitizer

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

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*, 7th Edn., Three Rivers Press, New York, 2009.