

KU5SECCE101: COSMETICS AND PERSONAL CARE PRODUCTS

Semester	Course Type	Course Level	Course Code	Credits	Total Hours
V	SEC	100	KU5SECCE101	3	45

Learning Approach (Hours/ Week)		Marks Distribution			Duration of ESE (Hours)
Lecture/ Tutorial	Practical/ Internship	CE	ESE	Total	
3	-	25	50	75	1.5

Course Description: Cosmetics and personal care products have much importance in modern society and is particularly important in the era of climatic change. This course provides awareness of personal care products, uses, harmful effects, caution about overuse and chemistry behind the ‘Cosmetics’.

Course Prerequisite: Basic idea about the natural products of plant and animal origin which helps to protect the skin and hair.

Course Outcomes:

CO No.	Expected Outcome	Learning Domains
1	Comprehensive understanding on Cosmetics to identify the best quality personal care products and the scope of cosmetic industry	An
2	A good understanding about the constitution of various cosmetics to analyse them to use judiciously	A
3	Learn the chemistry employed in personal care products and major constituents in cosmetics and explain harmful side effects of cosmetics and their cautious and judicious usage in daily life.	A

4	Identify the quality of cosmetic products by learning testing, packaging and labelling there by acquiring skill.	A
5	Analyse the different dental products, compare the qualities of synthetic and herbal products to choose them wisely.	A

***Remember (R), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C)**

Mapping of Course Outcomes to PSOs

	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7
CO 1	3	2	3	2	2	3	2
CO 2	3	2	2	2	2	3	2
CO 3	3	2	2	1	2	3	2
CO 4	3	2	2	1	2	3	2
CO 5	3	2	2	2	2	3	2

Course Contents for Classroom Transaction:

M O D U L E	U N I T	DESCRIPTION	HOURS
1	INTRODUCTION TO COSMETICS		8
	1	Introduction, history of cosmetics, product types - aerosol, emulsion, gel, non-aerosol, solution and stick., cosmetic regulations and laws -	
	2	Quality control. Testing-clinical testing, consumer testing, Draize test, efficacy testing, RIPT, salon testing	
	3	Herbal cosmetics - herbs used in cosmetics, hazardous chemicals in cosmetics	

	4	Cosmetic packaging and labelling, how to read PCP (Personal Care Product) label	
	5	Food, Drug and Cosmetic Act (FD&C Act), Fair Packaging and Labeling Act (FPLA)- Cosmetic industry - a boon for Indian economy.	

	PERFUMES & HAIR CARE PRODUCTS& SKIN CARE PRODUCTS		15
2	1	Types of perfumes- raw materials in perfumery-production of natural perfumes, -flower perfumes-Deodorants-anti-perspirants.	
	2	Hair care and nutrition, shampoos – principal constituents – thickeners and foam stabilizers – perfumes – preservatives - conditioning agents – anti-dandruff shampoos	
	3	Hair cream – composition – hair gels - hair dyes – types – constituents - dye removals.	
	4	Skin care basics and routine- acne on skin, prevention and remedies- skin cleansers - face wash – classifications- toners – cold cream – cleansing milk	
	5	moisturizers – hand and body lotions - skin tan – sunscreen lotions – constituents, exfoliants, tattoos and tattoo ink - How safe are they	

	COLOUR COSMETICS		7
3	1	Pigments/coloring agents and dyes-lakes and tones-history of pigments and dyes in cosmetics. Lipstick – constituents- manufacturing methods – evaluation of lipsticks - lip glosses	
	2	Nail polish – formulation - manufacture-nail polish remover	
	3	Face powder- constitution, facial masks, color coding in cosmetics, harmful effects of color cosmetics.	

4	DENTAL PRODUCTS		6
	1	Structure of tooth, dental hygiene, dental caries, oral care product - product categories – toothpaste – tooth powder – oral rinses – mouth washes –	
	2	Dental sealants, dental floss-tooth whiteners-comparison between synthetic and herbal oral products.	

5	TEACHER SPECIFIC MODULE		9
	Direction: Any topic relevant to the course as per teacher’s choice can be included		
	Suggestion: Eye cosmetics, Essential oils		

Essential Readings:

1. Modern Technology of Cosmetics, Asia Pacific Press Inc, New Delhi, 2004.
2. E. Stocchi: Industrial Chemistry, Vol 1, Ellis Horwood Ltd. UK, 1990.
3. P.C Jain, M. Jain: Engineering Chemistry, 16th edition, Dhanpat Rai & Sons, Delhi, 2015.
4. Sharma B.K & Gaur H, Industrial Chemistry, Goel Publishing House, Meerut (1996).

Assessment Rubrics:

Evaluation Type		Marks
End Semester Evaluation (ESE)		50
Continuous Evaluation (CCA)		25
Theory (CCA)		25
a)	Test Paper*	10
b)	Assignment	5
c)	Seminar, Viva-Voce	10
Total		75

*Average mark of the best two written tests may be considered for internal mark.