

UNIVERSITY OF MADRAS
B.Sc. DEGREE PROGRAMME IN CHEMISTRY
SYLLABUS WITH EFFECT FROM 2023-2024

Title of the Course	COSMETICS AND PERSONAL GROOMING						
Paper No.	SEC-III (Discipline Specific)						
Category	SEC	Year	I	Credits	2	Course Code	124S2B
		Semester	I/II				
Instructional hours per week	Lecture	Tutorial	Lab Practice		Total		
	2	-	-		2		
Prerequisites	Higher secondary Chemistry						
Objectives of the course	This course aims at familiarizing the students with <ul style="list-style-type: none"> • formulations of various types of cosmetics and their significance • hair, skin and dental care • makeup preparations and personal grooming 						
Course Outline	<p>Unit I Skin care Nutrition of the skin, skin care and cleansing of the skin; face powder – ingredients; creams and lotions – cleansing, moisturizing all purpose, shaving and sunscreen (formulation only); Gels – formulation and advantages; astringent and skin tonics – key ingredients, skin lightness, depilatories.</p> <p>Unit II Hair care Shampoos – types – powder, cream, liquid, gel – ingredients; conditioner – types – ingredients</p> <p>Dental care Tooth pastes – ingredients – mouth wash</p> <p>Unit III Make up Base – foundation – types – ingredients; lipstick, eyeliner, mascara, eye shadow, concealers, rouge</p> <p>Unit IV Perfumes Classification - Natural – plant origin – parts of the plant used, chief constituents; animal origin – amber gries from whale, civetone from civet cat, musk from musk deer; synthetic – classification emphasizing characteristics – esters – alcohols – aldehydes – ketones</p> <p>Unit V Beauty treatments Facials - types – advantages – disadvantages; face masks – types; bleach - types – advantages – disadvantages; shaping the brows; eyelash tinting; perming – types; hair colouring and dyeing; permanent waving – hair straightening; wax – types – waxing; pedicure, manicure - advantages – disadvantages</p>						

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Recommended Text	1. Thankamma Jacob, (1997) Foods, drugs and cosmetics – A consumer guide, Macmillan publication, London.
Reference Books	1. Wilkinson J B E and Moore R J, (1997) Harry's cosmeticology, 7 th ed., Chemical Publishers, London. 2. George Howard, (1987) Principles and practice of perfumes and cosmetics, Stanley Therones, Chettenham
Website and e-learning source	1. http://www.khake.com/page75.html 2. Net.foxsm/list/284
Course Learning Outcomes (for Mapping with POs and PSOs) On completion of the course the students should be able to	
<ul style="list-style-type: none"> • CO1: know about the composition of various cosmetic products • CO2 understand chemical aspects and applications of hair care and dental care and skin care products. • CO3 understand chemical aspects and applications of perfumes and skin care products. • CO4 to understand the methods of beauty treatments their advantages and disadvantages • CO5 understand the hazards of cosmetic products. 	

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	S	S	S	S	S	S	M	S	M
CO2	M	S	S	S	M	S	S	M	M	M
CO3	S	S	S	M	S	S	S	M	S	M
CO4	S	S	S	S	S	S	S	M	M	M
CO5	S	M	S	S	S	S	S	M	M	S

CO-PO Mapping (Course Articulation Matrix)

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	3
CO2	3	3	3	3	3
CO3	3	3	3	3	3
CO4	3	3	3	3	3
CO5	3	3	3	3	3
Weightage	15	15	15	15	15
Weighted percentage of Course Contribution to Pos	3.0	3.0	3.0	3.0	3.0

Level of Correlation between PSO's and CO's