

The Kelkar Education Trust's
V. G. Vaze College of Arts, Science and Commerce
(Autonomous) - Affiliated to University of Mumbai
(Re Accredited By NAAC with Grade A)

Revised Syllabus for SYBSc
Based on NEP-2020 Guidelines

Program: B.Sc.
Course: BOTANY

To Be Implemented From
Academic Year 2024-25
S.Y.B.Sc (Botany)
Semester: III

Open Elective (OE)- I

Course code:

Course Title: Cosmetology Decoded by Botanicals - II

Course code:

(Credits-02)

Teaching Scheme (Hrs/Week)				Internal Assessment (CIA) 40 marks					End Semester Examination	Total
L	T	P	C	CIA-1	CIA-2	CIA-3	CIA-4	Lab	Written	
3	-	-	2	15	15	10		-	60	100
Max. Time, End Semester Exam (Theory) -2Hrs.										

Course Objective: The syllabus has designed Student should

Understand and recognize the various raw materials used in Herbal cosmetics and their properties.

know the herbs used in skin and hair care

understand the preparations of herbal cosmetics.

know the Regulatory guidelines for cosmetics.

Course Outcomes: After the successful completion of the course, Learners will be able to

Understand the various raw materials and their properties

understand the standard guidelines and regulations to be followed for cosmetics.

gain the knowledge of Job opportunities in the cosmetic industry.

understand the scope for entrepreneurship in cosmetic fields.

Title: Cosmetology Decoded by Botanicals - II

	Unit I: Herbs, Oils and Fats used in cosmetics	Credits 02
1.1	Raw materials used for formulation of skin care and hair care cosmetics: Biological source and description of raw materials of natural origin like fixed oils, waxes, gums, perfumes, protective agents, bleaching agents, preservatives, antioxidants and other ancillary agents used in the cosmetic formulation.	
1.2	Herbal skin care cosmetics: Cleansing agents - apricot. Emollients - Aloe, almond. Astringent – Amla Freshening agent - Chandan, Khus.	

	Skin Pigmentation - saffron, ambi haldi.	
1.3	Herbs used as antioxidants, free-radical scavenger, antiseptic, antibacterial, antiwrinkle, anti-fungal.	
	Unit II: Herbal hair care	
2.1	Hair grooming: Apricot, Aloe Hair growth promoters: Brahmi, manjistha, jatamansi. Hair Tonics: Bavachi, Hibiscus, Amla Anti-dandruff: Tulsi, neem, wheat gram oil, lemon, orange, Ritha Hair colorants: Henna, amla, Bhringaraja, chamomile Hair cleansing: Ritha, shikakai, Amla	
2.2	Formulation of cosmetic products using herbs: ● Hair oil ● Hair Conditioner ● Hair shampoo	
	Unit III: Quality control and Regulatory guidelines	
3.1	● Importance of Quality control in cosmetic preparation	
3.2	● Regulatory guidelines: Compliance of Drug & Cosmetic Act 1940 with reference to provisions for packaging and labelling (Rule 150 A, schedule S), permitted colors, flavors etc. ● BIS guidelines for cosmetic products and raw materials	

Reference Books:

1. Marvin Balsam, Edward Sagarin; Cosmetic Science and Technology Vol I, II, III Ed. 2nd, John Wiley & Co. England
2. The Wealth of India: Raw Materials (11 Vol.+ 2 Suppl.). Head, NISCIR, Dr. K. S. Krishnan Marg, Pusa Campus New Delhi-110 012, India. 1950.
3. Bare P., Cosmetics Analysis selective methods with techniques.
4. Behl PN, Srivastava G. Herbs Useful in Dermatological Therapy. Ed. 2nd New Delhi, India: CBS Publishers. 2002
5. Hand Book of herbal products Vol I & II by NIIR Board of Technologist. National Institute of Industrial Research,
6. Trease and Evans Pharmacognosy: William Charles Evans Revised with the assistance of Daphne Evans Ed. 16th Elsevier 2009