



Maharani Lakshmi Ammanni College for Women Autonomous

Affiliated to Bengaluru City University
Re-accredited by NAAC with "A" grade, Recognised by UGC
under Section 2(f) and 12(b) of the UGC Act 1956
Conferred the Status of 'College with Potential for Excellence' by UGC



MAHARANI LAKSHMI AMMANI COLLEGE FOR WOMEN AUTONOMOUS

DEPARTMENT OF CHEMISTRY

COSMETIC CHEMISTRY

Syllabus for Value added course

Course Details

Name of the Course	Cosmetic Chemistry
Course Co-ordinator	Sushma C, Assistant Professor, Department of Chemistry
Stream	Science
Duration	3 months
Eligibility	Any science undergraduate students
Course Intake	25 students
Total hrs	45 hrs

COSMETIC CHEMISTRY

45 hours

Objectives: Cosmetic plays an important role in our everyday lives as they make an individual's appearance more attractive and boost one's self-esteem and confidence. Keeping in view the tremendous potential which the cosmetic industry has today around the globe, this course will be useful for introducing students of Chemistry honors to the world of cosmetic chemistry. This has been designed to impart the theoretical and practical knowledge on the basic principles of cosmetic chemistry, manufacture and formulation of various cosmetic products.

Unit 1:

Cosmetics:

Introduction, historical background, classification of cosmetics, physiological consideration: skin, hair, nail and eye - in relation to cosmetic application.

Raw materials including oils, fats, waxes, colours, perfumes, antioxidants, preservatives, surfactants, and water, herbal ingredients.

(Lectures: 7)

Unit 2:

Preparation of cosmetics:

Skin care products: Face cream, face wash, face powder, compact powder and talcum powder. Vanishing cream, cold cream, moisturizing cream their relative skin sensory, advantages and disadvantages.

Hair care products: Structure of hair, classification of hair, Hair dye- classification, Formulation, hair sprays, shampoo- types, conditioners.

Coloured cosmetics: Nail polish preparation, nail polish remover, lipsticks.

Sensitivity: Skin reactions to beauty products, allergens in cosmetics, patch test.

(Lectures: 8)

Practicals: (30 hrs)

Any ten of the following preparations:

1. Cleansing milk/gel
2. Cold cream
3. Shampoo
4. Vanishing cream
5. Moisturizing cream
6. Anti-acne Cream
7. Lipsticks
8. Nail Lacquer removal
9. Mouth wash
10. Kajal
11. Foundation cream
12. Talcum powder

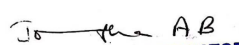
Learning outcomes:


By the end of this course, the students will be able to:

- Learn basic of cosmetics, various cosmetic formulation, ingredients and their roles in cosmetic products.
- Learn the use of safe, economic and body-friendly cosmetics
- Prepare new innovative formulations.

References:

1. Barel, A.O.; Paye, M.; Maibach, H.I. (2014), **Handbook of Cosmetic Science and Technology**, CRC Press.
2. Garud, A.; Sharma, P.K.; Garud, N. (2012), **Text Book of Cosmetics**, Pragati Prakashan.
3. Gupta, P.K.; Gupta, S.K. (2011), **Pharmaceutics and Cosmetics**, Pragati Prakashan
4. Butler, H. (2000), **Poucher's Perfumes, Cosmetic and Soap**, Springer
5. Kumari, R. (2018), **Chemistry of Cosmetics**, Prestige Publisher.
6. Dr. Pavani. (2020), Anumukonda, **A Practical manual of cosmetic formulations**, Nirali Prakashan.


ACADEMIC CO-ORDINATOR
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ATTESTED

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