

**Department of Chemistry**  
**School of Basic Sciences**  
**CHHATRAPATI SHAHU JI MAHARAJ UNIVERSITY,**  
**KANPUR**  
**Vocational Course for UG Programmes**

**Paper Name -** Introduction to Cosmetics and Perfume Chemistry

**Paper Code –** VOC169

**Course Objective –**

1. Students learn about the world of cosmetic chemistry.
2. Impart the theoretical and practical knowledge of basic principles of Perfumery, extraction of essential oils.
3. Impart the theoretical and practical knowledge of basic principles of cosmetic chemistry, manufacture, formulation of various cosmetic products.

**Course Content: 75 Hours** (Theory (15 hours) + Practical (60 hours))

Unit	Topics	Hours
<b>Theoretical Aspects</b>		
1	<b>Perfumes:</b> Introduction to perfumery, Composition and Extraction of Essential oils (flowers, clove, cardamom, Sandal wood etc.)	7+8 =15 hrs
2	<b>Cosmetics:</b> Introduction to cosmetic industry, Role of essential oils in cosmetics with reference to Geraniol, sandalwood oil, eucalyptus, rose oil, , Jasmine etc. Raw materials, Cosmetics for Skin (toners, cleansing agents, moisturizers, sunscreens, talcum powder, bleaching products) and Hair Cosmetics (shampoos, conditioner, colorants, herbs used in hair cosmetics).	

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Practical Aspects		
3	<b>Preparation of Essential oils:</b> Extraction of essential oils: Rose, Jasmine, Eucalyptus, Sandalwood etc. Preparation of Attar and perfumes , Preparation and uses of the following: rose water etc.	60 hrs
4	<b>Preparation of Cosmetics (Hair and skin) Products:</b> Preparation of toners, cleansing agents, moisturizers, cream, body lotion, nail paint, nail paint remover, shampoos, conditioner, hair dye, hair serum etc.	

**Total weightage of Theory** - 40% of marks, 15 hours (1 Credit)

**Total weightage of Practical** - 60% of marks, 30 hours + 30 hours (2 Credit)

**Learning Outcomes – By the end of this course participant will be able to-**

1. Understand the basics of cosmetics and perfumes
2. Prepare daily use cosmetics at small level.
3. Prepare attar and perfumes at small level.

**Job Prospects-**After completion of the course the individual will be able to

1. Job opportunities in perfumery and cosmetics industries.
2. They can setup a small cottage industry

**Skill Partner- 1. Goodness of Nature, Kanpur**

**2. Asha Sugandh , Kannauj ✓**

**Suggested Reading –**

1. *Essential Oils, Vol. I-V*, Guenther.
2. *The Essential Oil Book*, Edited by Colleen, K. Dodt
3. *Cosmetics Formulation- Principles and practice*, Edited by Heather A.E. Benson, Michael S. Roberts, V.R. Leite-Silva, Kenneth A Walters.
4. Manufacture of perfume cosmetics and detergents by Prasad Giri Raj.
5. Industrial chemistry by B.K.Sharma.
6. Manufacture of perfumes, cosmetics and detergents by Prasad.

Debarshi Adhikari

Psheni

Shamariya

Mercy

Ratna

Rohi

Purnasabharan