



DINABANDHU ANDREWS COLLEGE




**30 Hours Certificate Course on the Small-Scale Preparation
of Soap, Detergents and Deodorants**

Offered by Department of Chemistry

Dinabandhu Andrews College

Garia, Kolkata- 84


HEAD OF THE DEPT. OF CHEMISTRY
DINABANDHU ANDREWS COLLEGE
GARIA, KOLKATA-700 084

Title: Certificate Course on the Small-Scale Industrial Preparation of Soap, Detergents and Deodorants.

Course Overview: This course aims to provide participants with a thorough understanding of principle and method of preparation of soap detergents and deodorants, covering knowledge of packaging and theoretical and practical insight to make them marketable.

Eligibility: All current students with chemistry as a major subject.

Course Coordinator: Prof. Biswajit Halder, Department of Chemistry

Joint Coordinator: Prof. Chandana Pramanik, Department of Chemistry

Module 1:

Definition and terminology related to small scale soap, detergent and deodorant Production and marketing.

Module 2:

General preparation of soap, purification of soap by removal of excess alkali, salt glycerol and unsaponifiable agents. Distillation process, concept of herbal soap.

Module 3:

General method of preparation of detergent and deodorant.

Module 4:

Packaging and marketing.

Course Duration: 30 hours (3 hrs per day x 10 day)

One Class (Theory): 1 Hour

Lab: 2 Hours

Final Assessment on the Last day

Course Fee: Free of Cost

Pedagogy: Lecture on theory and Practical

EVALUATION POLICY FOR THE ADD-ON COURSE:

The basic philosophy behind the Evaluation policy for this 30 Hours Add-on course is to objectively judge the participants (students) whether the concepts were understandable to them or not and whether they could apply these concepts to solve numerical and conceptual problems.

The Evaluation would be done through 2 components –

i) C1 Course-end Assessments (Written Test) [Total Marks: 30]

ii) C2 Practical /LAB [Total Marks: 20]

Total Marks of the Evaluation process would be – 50 Marks




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TABLE FOR QUALIFICATION:

TOTAL SCORE (OUT OF 50)	GRADE
45-50	O – OUTSTANDING
40-44	E – EXCELLENT
35-39	A – VERY GOOD
30-34	B – GOOD
25-29	C - FAIR
Below 25	F - FAILED

GENERAL RULES AND REGULATIONS:

1. Students must attend and appear for all the Module-End Assessments. If any student fails to submit any of the Module-End Assignments or fails to attend any of the Module End Assessment examinations, the particular Student would **NOT BE ELIGIBLE FOR CERTIFICATE**.
2. Students must attend and appear for the Course-End Assessment Examination. If any student fails to submit the Course-End Assessment or fails to attend the Course-End Assessment Examination, the particular Student would **NOT BE ELIGIBLE FOR CERTIFICATE**.
3. Students must attend and appear for the Course-End Viva. If any student fails to fails to attend the Course-End Viva, the particular Student would **NOT BE ELIGIBLE FOR CERTIFICATE**.
4. **Total Marks of Course Evaluation will be 50 Marks.**
5. Minimum 50% Marks has to be scored to receive any Certificate. There will be only ONE Attempt allowed for each of the Module-End Assessments and the Course-End Assessment.
6. **There will be NO PROVISION for Backlog Clearance.**
7. General Rules and Regulations of the College must be followed without any exception.
8. Minimum 75% attendance is required to receive the certificate of the course.


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LEARNING RESOURCES

SL. NO.	TITLE OF THE BOOK	AUTHOR(S)	PUBLISHER
1.	Soaps, Detergents and Disinfectants Technology Handbook (3rd Revised Edition)	<u>Ajay Kumar Gupta</u>	NIIR PROJECT CONSULTANCY SERVICES
2.	Soap Manufacturing Technology	Luis Spitz (Editor)	AOCS Publishing
3.	Soap Making: Step-by-Step Guide to Make Homemade Soaps.	Carol Varney	Ingram Spark
4.	Everything Soapmaking Book: Learn How to Make Soap at Home with Recipes, Techniques, and Step-by-Step Instructions.	<u>Alicia Grosso</u>	Everything
5.	DIY: Homemade Deodorants	<u>Patricia Morgan</u>	

Course outcome:

After completing this course, the participants will be able to make soap, detergents, insecticide, pesticides, deodorants for their domestic use or set up a small-scale industry for commercial purpose.