

MANNAM MEMORIAL NSS COLLEGE, KOTTIYAM
STUDENT ENROLMENT LIST

Name of department : CHEMISTRY

Name of course : Basic Course in Soap Making (2021-22)

Sl No	Name of Student	Signature
1	ADARSH RAJ	Adarsh
2	ADITHYA. J	Adi
3	ARCHA R KURUP	Ar
4	ASWANI. A	Aswani
5	ASWATHY R S	ARs
6	DEVABALA.R	Dev
7	GOKUL .G	Gokul
8	GOPIKA .A M	gopika
9	GOPU SREENATH	Gps
10	INDRAJITH . R	InR
11	MEKHANA.S	Me
12	PRIYANKA J	Pri
13	SARATH S	Ss
14	SUJISHNA. R. G	Ssg
15	VISHNUPRIYA. N	VN
16	VISHNUPRIYA.S.B	V.Priya
17	A HARITHA PRAKASH	Ahp
18	A K NAJMA	Najma
19	ADITHYA PRAKASH.J	Aditya
20	AISWARYA LEKSHMI S	Aisw
21	AMRUTHA A	AA
22	BHAGHYA LEKSHMI R S	BRS
23	DEVIKA DEVAN	DD
24	FARSANA.S	Fas
25	GOPIKA S KUMAR	Gsk
26	GOPIKA.R.S	Gopa
27	GOUTHAM KRISHNA	Gk
28	JASMI JAFAR	JJ
29	KRIPA M S	Kmps
30	LEKSHMI JAYAKUMAR	LJ
31	M.S APARNA	Ap
32	MANYA.K	Mk
33	NADHIYA FATHIMA. N	Naf
34	SETHULEKSHMY . U	Sethu
35	SNEHA SURESH	Sneha
36	SREEKUTTAN .G	SG
37	SREELEKSHMI J S	STS
38	THUSHARA B T	Thush

Dr. R. PRAKASH ANDRAN

Head Dept. of Chemistry

M.M.N.S.S College, Kottiyam - 691571
chan...@gmail.com

ADD ON COURSE IN CHEMISTRY (2021-22)

Basic Course in soap making (CH 03)

Module 1

Introduction to Soaps. History of Soap making, Present Soap Industry: Basics chemistry behind the cleaning action of soap. Soaps & detergents: Difference

Module 2

Type of soaps: Hard and soft soaps: Liquid soap, Solid soap, Liquid hand wash and liquid dish wash.
Alkali content and TFM value.

Various soap additives

Safety measures in soap making

Module 3

Different methods for making soaps.

Legal aspects of Soap making and distribution

pH testing of finished soaps. Quality parameters of homemade soaps.

Objectives

1. Familiarize students about the chemistry behind soap making
2. Provide hands-on training in soap making

Learning Outcomes

1. Understand the importance of soap industry
2. Learn the different methods of soap making
3. Realize the safety aspects of soap making and soap quality parameters.



Dr. R. PRAKASH CHANDRAN
Head, Dept. of Chemistry
M.M.N.S.S. College, Kottiyam - 691571
chandranprakash@gmail.com



Course Coordinator

Dr. ATHIRA G.J
Assistant Professor
Department of Chemistry
MMNSS College Kottiyam

Basic Course in soap making (CH 03)

Course Schedule and topic of discussion

Date	Time	Topic	Number of hours	Theory/Practical
16/6/2021 Thursday	3.15 pm to 4.15 pm	Introduction soaps: History and present industry	1h	Theory
17/6/2021 Thursday	3.15 pm to 4.15 pm	Basic chemistry behind the cleaning action: Soaps & detergents: Difference	1h	Theory
19/6/2021 Saturday	10 am-1 pm 1.45 to 3.45 pm	Type of soaps: Hard and soft soaps: Liquid soap, Solid soap, Hand wash and liquid dish wash. Alkali content and TFM value	5h	Theory
23/6/2021 Wednesday	3.15 pm to 4.15 pm	Various soap additives and safety measures in soap making	1h	Theory
26/6/2021 Saturday	3.15 pm to 4.15 pm	Different methods for making soap	5h	Theory
3/7/2021 Saturday	3.15 pm to 4.15 pm	Hands on training in soap making	5h	Practical
7/7/2021 Wednesday	3.15 pm to 4.15 pm	Legal aspects of Soap making and distribution	1h	Theory
14/7/2021 Wednesday	3.15 pm to 4.15 pm	pH testing of finished soaps. Quality parameters of homemade soaps.	1h	Theory
17/7/2021 Saturday	10 am-1 pm 1.45 to 3.45 pm	Hands on training in soap making	5h	Practical
24/7/2021 Saturday	3.15 pm to 4.15 pm	Final exam and feedback	5h	Theory and Practical



Dr. ATHIRA G.J
Assistant Professor
Department of Chemistry
MMNSS College Kottiyam



Basic Course in soap making (CH 03) (CH-02)

Department of Chemistry, MM NSS College, Kottiyam

Add on Course (2021-22)

Basic Course in soap making (CH 03)

Each Question carries 4 marks each ($4 \times 10 = 40$)

Total marks-40

Time: 2h

1. Explain the basic chemistry behind the cleaning action of soaps
2. What are the basic differences between soaps & detergents
3. Compare hard and soft soaps
4. What is the importance of Alkali content of soaps?
5. Discuss about the various safety measures in soap making
6. Explain the different methods for making soaps.
7. Discuss the various quality parameters of homemade soaps.
8. Write a note on various soap additives
9. What are the major legal aspects of Soap making and distribution
10. What is the importance of TFM value of soaps?

Practical (2h)

Demonstrate a small-scale preparation of soaps (20 Marks)



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MANNAM MEMORIAL NSS COLLEGE, KOTTIYAM
END COURSE EVALUATION

Name of department : CHEMISTRY

Name of course : Basic Course in Soap Making (2021-22)

Duration of Exam: 4h

Total Marks: 60

Sl No	Name of Student	Marks Obtained
1	ADARSH RAJ	42
2	ADITHYA. J	50
3	ARCHA R KURUP	44
4	ASWANI. A	—
5	ASWATHY R S	43
6	DEVABALA.R	46
7	GOKUL .G	44
8	GOPIKA .A M	45
9	GOPU SREENATH	38
10	INDRAJITH . R	—
11	MEKHANA.S	38
12	PRIYANKA J	39
13	SARATH S	42
14	SUJISHNA. R. G	40
15	VISHNUPRIYA. N	44
16	VISHNUPRIYA.S.B	44
17	A HARITHA PRAKASH	48
18	A K NAJMA	43
19	ADITHYA PRAKASH.J	44
20	AISWARYA LEKSHMI S	47
21	AMRUTHA A	46
22	BHAGHYA LEKSHMI R S	47
23	DEVIKA DEVAN	41
24	FARSANA.S	42
25	GOPIKA S KUMAR	46
26	GOPIKA.R.S	47
27	GOUTHAM KRISHNA	40
28	JASMI JAFAR	42
29	KRIPA M S	39
30	LEKSHMI JAYAKUMAR	47
31	M.S APARNA	45
32	MANYA.K	48
33	NADHIYA FATHIMA. N	43
34	SETHULEKSHMY . U	40
35	SNEHA SURESH	42
36	SREEKUTTAN .G	43
37	SREELEKSHMI J S	50
38	THUSHARA B T	44

Number of Students enrolled: 38

Number of Students Completed: 36

Dr. R. PRAKASH CHANDRAN

Basic Course in Soap making

Report

The add on course "Basic Course in soap making" was offered to the Final Year students of BSc Chemistry (2019-22 batch). The duration of the course was 30h including 10h practical and final examination/feedback. The classes were arranged either on evenings or on Saturdays. The final examination was conducted on 24/7/2021. Students learned the basics of soap making. They also received hands on training in soap making.

Feedback

Students were pleased with the content of the course. According to them, the hands-on training in soap making gave them confidence and added more interest to their ongoing BSc course.



Sof

Principal
M.M.N.S.B. COLLEGE
KOTTIYAM

Athira
Course Coordinator

Dr. ATHIRA G.J
Assistant Professor
Department of Chemistry
MMNSS College Kottiyam