

Rayat Shikshan Sanstha's,
Arts, Science and Commerce College, Mokhada, Dist. Palghar
Department of Chemistry

Date: 20/11/2021

Short Term /Certificate Course in "Preparation of Household Products"
Board of Studies-2021-2022

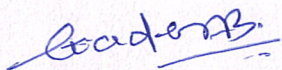
Sr.No.	Designation	Name of Person
1	Chairman	Dr. L. D. Bhor (Principal)
2	Member	Dr. D. R. Nagargoje (Head Dept. of Chemistry)
3	Member	Dr. R. A. Kawale(Expert)
4	Member	Prof. P. K. Patil (Chairman Short Term Course Committee)
5	Member	Prof. V. B. Gade (Co-ordinator "Preparation of Household Products" short term course)

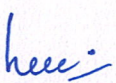
Minutes of Meeting

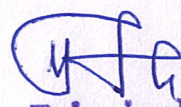
Board of studies meeting for the short term Course "**Preparation of Household Products**" was held on 20/11/2021 at 1:30 pm in the Principal cabin.

The Following points are discussed in the meeting.

- Syllabus formation of "**Preparation of Household Products**" short term course
- Distribution of work
- Encouragement of Students
- To run the course without fee


Course Co-ordinator


Head / विभागप्रमुख
Department of Chemistry / रसायनशास्त्र विभाग


Principal
Arts, Science & Com. College
Mokhada, Dist. Palghar

Rayat Shikshan Sanstha's,
ASC College, Mokhada, Dist: Palghar
Department of Chemistry

Short Term Course 2021-22

Short Term / Certificate course in Preparation of Household Products

Date: 20-11-2021

Notice

All students of F.Y.B.Sc. are hereby informed that the Department of Chemistry, ASC College, Mokhada going to conduct a short term course entitled **Preparation of Household Products** from Dec.2021. Interested students register their names with Dr. V. B. Gade. The duration of course is three months.

V. B. Gade
Course Coordinator

V. B. Gade
Head,
Dept. of Chemistry,
ASC College, Mokhada.



V. B. Gade
Principal
Arts, Science & Commerce, College
Mokhada, Dist. Palghar

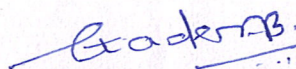
Rayat Shikshan Sanstha's,
Arts, Science and Commerce College, Mokhada, Dist. Palghar


Department of Chemistry
Short Term Course: "Preparation of Household Products"

Time Table 2021-22

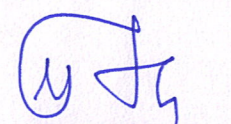
W.e.f. 01/12/2021

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
2.00 pm to 3.00 pm	--	--	--	VBG	VBG	VBG
3.00 pm to 5.00 pm	--	--	--	--	Practical	--


Course Coordinator
(Dr. V. B. Gade)


Head / विभागप्रमुख
Department of Chemistry / रसायनशास्त्र विभाग




Principal
Arts, Science & Commerce, College
Mokhada, Dist. Palghar

Department of Chemistry (B.Sc.I)

1. TITLE: **Short Term / Certificate course in Preparation of Household Products**
2. YEAR OF IMPLEMENTATION : 2021-22
3. PREAMBLE: This syllabus is prepared for first year undergraduate students. At this level, to develop their interest towards household chemistry and also to prepare them for the industrial exposure. The interdisciplinary approach with vigor and depth is compatible to the syllabi of other universities. The units in the syllabus are well defined with scope and the number of lectures. The references are mentioned with relevance.
4. GENERAL OBJECTIVES OF THE COURSE:
 1. The students are expected to understand the fundamentals, basic principles, concepts and recent developments in the subject area.
 2. The practical course is in relevance to the theory courses to improve the understanding of the concepts.
5. DURATION : Three Months
6. MEDIUM OF INSTRUCTION : English
7. STRUCTURE OF COURSE:

Paper No. and Name
CCT101: Introduction of household chemicals
CCP102 : Preparation of various household products

Theory: Paper I: Introduction to Household Products

Learning Objectives:

1. To expose the students to various emerging new areas of Chemistry and apprise them with their prevalent in their future studies and their applications in various spheres of chemical sciences.
2. To enhance student sense of enthusiasm for chemistry and to involve them in an intellectually stimulating experience of learning in a supportive environment.

Theory Course CCT101: Introduction to Household Chemicals

Lectures: 36

UNIT I

(12 Lectures)

Cleaning agents : Introduction, synthesis and applications of Natural cleaning agents, cleaning action, Floor cleaner, Toilet Cleaner, Glass Cleaner, Dish wash, Bathroom



Cleaner, Kitchen Cleaner

UNIT II

(12 Lectures)

Technology of Soap: Chemistry of soap; Raw material for soap industry and their selection; hard fats yielding and oil yielding soaps; Chemical reactions of soaps; Hard and Soft soaps; Plant and process employed in soap manufacture; Liquid hand wash and liquid dish wash.

UNIT III

(12 Lectures)

Detergents and surfactants: Introduction; Different terms used in detergents; Raw materials for detergents; Washing action of detergents; Types of detergents; Introduction of surfactants; Types of surfactants.

Practical Course: CCP 102: Preparation of various household Products

Lectures: 24

1. Preparation of glass cleaner
2. Preparation of liquid soap (Hand wash)
3. Preparation of white phenyl
4. Preparation of perfume
5. Preparation of dish wash
6. Preparation of toilet cleaner

Learning Outcomes:

CCT101: Introduction to Household Chemicals

Unit I Cleaning agents

- The students should learn fundamentals of various cleaning agents.
- The students should define natural, floor, toilet, bathroom and kitchen cleaning agents
- The students should explain preparations and reactions of natural, floor, toilet, bathroom and kitchen cleaning agents.

Unit II Technology of Soap

- The students should learn technology of soap
- The students should define soap, hard and soft soaps, liquid soap
- The students should explain preparations and reactions of soap, liquid soap.

Unit III Detergents and surfactants

- The students should learn fundamentals of detergents and surfactants.
- The students should define detergents, surfactants.
- The students should explain preparations and various types of detergents and surfactants

CCP 102 : Preparation of various household Products

1. Preparation of Glass Cleaner

- Students should define meaning of Glass Cleaner.
- Students should know different preparation of Glass Cleaner.
- Students should prepare various Glass Cleaners.



2. Preparation of liquid soap

- Students should define liquid soap.
- Students should know different reactions for preparation of liquid soap.
- Students should prepare liquid soap.

3. Preparation of white phenyl

- Students should define white phenyl.
- Students should know preparation of white phenyl.
- Students should prepare various compositions of phenyl.

4. Preparation of Perfume

- Students should define perfume.
- Students should know different reactions for preparation of perfume.
- Students should prepare various perfumes.

5. Preparation of Dish Wash

- Students should define dish wash.
- Students should know different reactions for preparation of dish wash.
- Students should prepare various dish wash.

6. Preparation of Toilet Cleaner

- Students should define toilet cleaner.
- Students should know different reactions for preparation of toilet cleaner.
- Students should prepare various toilet cleaners.

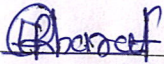
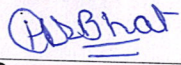
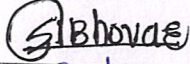
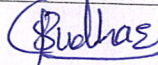
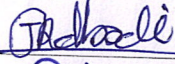
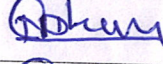
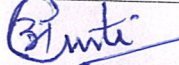
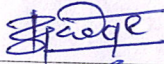
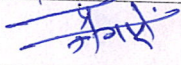
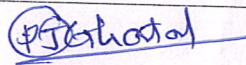
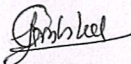
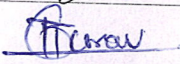
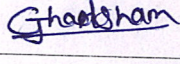
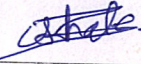
Recommended Books:

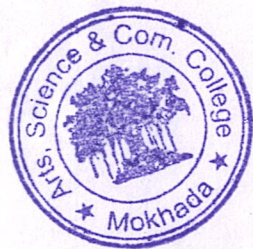
1. Manufacture of perfume cosmetics and detergents by Prasad Giri Raj
2. Industrial Chemistry by B.K.Sharma
3. Flavours & Essential oils, Industries SBP Board
4. Perfumes soaps & cosmetics by Poucher.
5. Manufacture of perfumes, cosmetics and detergents by Giriraj Prasad.
6. Manufacture of perfumes, cosmetics and detergents by Prasad.
7. Vogel's text book of Qualitative Chemical Analysis (Longman ELBS Edition).
8. Vogel's text book of Quantitative Analysis (Longman ELBS Edition).
9. Practical Organic Chemistry by A. I. Vogel.
10. Practical Organic Chemistry by O. P. Agrawal.
11. Practical Organic Chemistry by F. G. Mann & B. C. Sounders.
12. Comprehensive Practical Organic Chemistry Qualitative Analysis by V. K. Ahluwalia.
13. A Text Book of Quantitative Inorganic Analysis Including Elementary Instrumental Analysis: A. I. Vogel (Third Ed.).

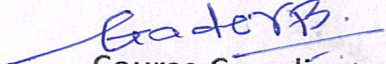


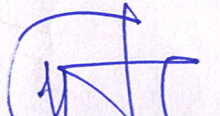
Rayat Shikshan Sanstha's,
Arts, Science and Commerce College, Mokhada, Dist. Palghar

Department of Chemistry
Short Term Course: Preparation of Household Products
Admitted Student List-2021-22

S.N.	Roll No.	Name of the Student	Signature
1.	7001/21	Baraf Eshwar Rambhau	
2.	7002/21	Bhat Hritik Sunil	
3.	7003/21	Bhovar Sachin Lahanu	
4.	7004/21	Budhar Pravin Ankush	
5.	7005/21	Dhodi Jayesh Ramu	
6.	7006/21	Dhum Nilesh Vasant	
7.	7007/21	Dodhade Akshay Ramesh	
8.	7008/21	Gadge Ketan Laxman	
9.	7009/21	Gare Prasad Jayram	
10.	7010/21	Gavate Vijaya Kanti	
11.	7011/21	Ghatal Pravin Jayram	
12.	7012/21	Gimbhal Surekha Suresh	
13.	7013/21	Gurav Ravindra Revaj	
14.	7014/21	Jadhav Ghanshyam Laxman	
15.	7015/21	Khale Swapnil Shankar	




Course Coordinator
(Dr. V. B. Gade)


Principal
Arts, Science & Commerce, College
Mokhada, Dist. Palghar

Short Term Course: "Preparation of Household Products"
Theory Attendance Report 2021-22 (2.00 pm to 3.00 pm)

Sr.No.	Name of the Student	2-12-2021	3-12-2021	4-12-2021	9-12-2021	10-12-2021	11-12-2021	16-12-2021
1.	Baraf Eshwar Rambhau	Baraf Eshwar A B	Baraf Eshwar A B	Baraf Eshwar A B	Baraf Eshwar A B	Baraf Eshwar A B	Baraf Eshwar A B	Baraf Eshwar A B
2.	Bhat Hritik Sunil	Bhat Hritik A B	Bhat Hritik A B	Bhat Hritik A B	Bhat Hritik A B	Bhat Hritik A B	Bhat Hritik A B	Bhat Hritik A B
3.	Bhovar Sachin Lahanu	Bhovar Sachin A B	Bhovar Sachin A B	Bhovar Sachin A B	Bhovar Sachin A B	Bhovar Sachin A B	Bhovar Sachin A B	Bhovar Sachin A B
4.	Budhar Pravin Ankush	Budhar Pravin A B	Budhar Pravin A B	Budhar Pravin A B	Budhar Pravin A B	Budhar Pravin A B	Budhar Pravin A B	Budhar Pravin A B
5.	Dhodi Jayesh Ramu	Dhodi Jayesh A B	Dhodi Jayesh A B	Dhodi Jayesh A B	Dhodi Jayesh A B	Dhodi Jayesh A B	Dhodi Jayesh A B	Dhodi Jayesh A B
6.	Dhum Nilesh Vasant	Dhum Nilesh A B	Dhum Nilesh A B	Dhum Nilesh A B	Dhum Nilesh A B	Dhum Nilesh A B	Dhum Nilesh A B	Dhum Nilesh A B
7.	Dodhade Akshay Ramesh	Dodhade Akshay A B	Dodhade Akshay A B	Dodhade Akshay A B	Dodhade Akshay A B	Dodhade Akshay A B	Dodhade Akshay A B	Dodhade Akshay A B
8.	Gadge Ketan Laxman	Gadge Ketan A B	Gadge Ketan A B	Gadge Ketan A B	Gadge Ketan A B	Gadge Ketan A B	Gadge Ketan A B	Gadge Ketan A B
9.	Gare Prasad Jayram	Gare Prasad A B	Gare Prasad A B	Gare Prasad A B	Gare Prasad A B	Gare Prasad A B	Gare Prasad A B	Gare Prasad A B
10.	Gavate Vijaya Kanti	Gavate Vijaya A B	Gavate Vijaya A B	Gavate Vijaya A B	Gavate Vijaya A B	Gavate Vijaya A B	Gavate Vijaya A B	Gavate Vijaya A B
11.	Ghatal Pravin Jayram	Ghatal Pravin A B	Ghatal Pravin A B	Ghatal Pravin A B	Ghatal Pravin A B	Ghatal Pravin A B	Ghatal Pravin A B	Ghatal Pravin A B
12.	Gimbal Surekha Suresh	Gimbal Surekha A B	Gimbal Surekha A B	Gimbal Surekha A B	Gimbal Surekha A B	Gimbal Surekha A B	Gimbal Surekha A B	Gimbal Surekha A B
13.	Gurav Ravindra Revaj	Gurav Ravindra A B	Gurav Ravindra A B	Gurav Ravindra A B	Gurav Ravindra A B	Gurav Ravindra A B	Gurav Ravindra A B	Gurav Ravindra A B
14.	Jadhav Ghanshyam Laxman	Jadhav Ghanshyam A B	Jadhav Ghanshyam A B	Jadhav Ghanshyam A B	Jadhav Ghanshyam A B	Jadhav Ghanshyam A B	Jadhav Ghanshyam A B	Jadhav Ghanshyam A B
15.	Khale Swapnil Shankar	Khale Swapnil A B	Khale Swapnil A B	Khale Swapnil A B	Khale Swapnil A B	Khale Swapnil A B	Khale Swapnil A B	Khale Swapnil A B

Gadamb
Course Coordinator

huv
Head,

Dept. of Chemistry

huv
Principal

Arts, Science & Commerce, Coll
Mokhada, Dist. Palghar



Short Term Course: "Preparation of Household Products"

Theory Attendance Report 2021-22 (2.00 pm to 3.00 pm)

Sr.No.	Name of the Student	17-12-2021	18-12-2021	23-12-2021	24-12-2021	3-02-2022	4-02-2022	5-02-2022
1.	Baraf Eshwar Rambhau	Baraf Ab	Ab Baraf	Baraf Ab	Baraf Ab	Baraf Ab	Baraf Ab	Baraf Ab
2.	Bhat Hritik Sunil	Ab Bhat	Bhat Ab	Bhat Ab	Bhat Ab	Bhat Ab	Bhat Ab	Bhat Ab
3.	Bhovar Sachin Lahanu	Bhovar	Bhovar Ab	Bhovar Ab	Bhovar Ab	Bhovar Ab	Bhovar Ab	Bhovar Ab
4.	Budhar Pravin Ankush	Budhar	Budhar Ab	Budhar Ab	Budhar Ab	Budhar Ab	Budhar Ab	Budhar Ab
5.	Dhodi Jayesh Ramu	Dhodi	Dhodi Ab	Dhodi Ab	Dhodi Ab	Dhodi Ab	Dhodi Ab	Dhodi Ab
6.	Dhum Nilesh Vasant	N.V.Dhum	N.V.Dhum Ab	N.V.Dhum Ab	N.V.Dhum Ab	N.V.Dhum Ab	N.V.Dhum Ab	N.V.Dhum Ab
7.	Dodhade Akshay Ramesh	Dodhade	Dodhade Ab	Dodhade Ab	Dodhade Ab	Dodhade Ab	Dodhade Ab	Dodhade Ab
8.	Gadge Ketan Laxman	Gadge	Gadge Ab	Gadge Ab	Gadge Ab	Gadge Ab	Gadge Ab	Gadge Ab
9.	Gare Prasad Jayram	Gare	Gare Ab	Gare Ab	Gare Ab	Gare Ab	Gare Ab	Gare Ab
10.	Gavate Vijaya Kanti	Gavate	Gavate Ab	Gavate Ab	Gavate Ab	Gavate Ab	Gavate Ab	Gavate Ab
11.	Ghatal Pravin Jayram	Ghatal	Ghatal Ab	Ghatal Ab	Ghatal Ab	Ghatal Ab	Ghatal Ab	Ghatal Ab
12.	Gimbal Surekha Suresh	Gimbal	Gimbal Ab	Gimbal Ab	Gimbal Ab	Gimbal Ab	Gimbal Ab	Gimbal Ab
13.	Gurav Ravindra Revaj	Gurav	Gurav Ab	Gurav Ab	Gurav Ab	Gurav Ab	Gurav Ab	Gurav Ab
14.	Jadhav Ghanshyam Laxman	Jadhav	Jadhav Ab	Jadhav Ab	Jadhav Ab	Jadhav Ab	Jadhav Ab	Jadhav Ab
15.	Khale Swapnil Shankar	Khale	Khale Ab	Khale Ab	Khale Ab	Khale Ab	Khale Ab	Khale Ab

Scadon
Course Coordinator

Wani
Head,
Dept. of Chemistry

Principal



Short Term Course: "Preparation of Household Products"
Theory Attendance Report 2021-22 (2.00 pm to 3.00 pm)

Sr.No.	Name of the Student	10-02-2022	11-02-2022	12-02-2022	17-02-2022	18-02-2022	24-02-2022	25-02-2022
1.	Baraf Eshwar Rambhau	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.
2.	Bhat Hritik Sunil	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.
3.	Bhovar Sachin Lahanu	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.
4.	Budhar Pravin Ankush	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.
5.	Dhodi Jayesh Ramu	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.
6.	Dhum Nilesh Vasant	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.
7.	Dodhade Akshay Ramesh	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.
8.	Gadge Ketan Laxman	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.
9.	Gare Prasad Jayram	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.
10.	Gavate Vijaya Kanti	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.
11.	Ghatal Pravin Jayram	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.
12.	Gimbal Surekha Suresh	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.
13.	Gurav Ravindra Revaj	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.
14.	Jadhav Ghanshyam Laxman	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.
15.	Khale Swapnil Shankar	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.	Baraf Eshwar A.B.

Signature
Course Coordinator

Signature
Head,
Dept. of Chemistry

Signature
Principal
Arts, Science & Commerce, Coll
Mokhada, Dist. Palghar



Short Term Course: "Preparation of Household Products"
Theory Attendance Report 2021-22 (2.00 pm to 3.00 pm)

Sr.No.	Name of the Student	26-02-2022	3-03-2022	4-03-2022	5-03-2022	10-03-2022	11-03-2022	12-03-2022
1.	Baraf Eshwar Rambhau	Baraf Eshwar Rambhau	Baraf Eshwar Rambhau	Baraf Eshwar Rambhau	Baraf Eshwar Rambhau	Baraf Eshwar Rambhau	Baraf Eshwar Rambhau	Ab
2.	Bhat Hritik Sunil	Bhat Hritik Sunil	Bhat Hritik Sunil	Bhat Hritik Sunil	Bhat Hritik Sunil	Bhat Hritik Sunil	Bhat Hritik Sunil	Bhat Hritik Sunil
3.	Bhavar Sachin Lahanu	Sachin Lahanu	Sachin Lahanu	Sachin Lahanu	Sachin Lahanu	Ab	Sachin Lahanu	Sachin Lahanu
4.	Budhar Pravin Ankush	Budhar Ankush	Budhar Ankush	Budhar Ankush	Budhar Ankush	Budhar Ankush	Ab	Budhar Ankush
5.	Dhodi Jayesh Ramu	Dhodi Jayesh Ramu	Dhodi Jayesh Ramu	Dhodi Jayesh Ramu	Dhodi Jayesh Ramu	Dhodi Jayesh Ramu	Dhodi Jayesh Ramu	Dhodi Jayesh Ramu
6.	Dhum Nilesh Vasant	Ab	N.V.Dhum	N.V.Dhum	N.V.Dhum	N.V.Dhum	N.V.Dhum	N.V.Dhum
7.	Dodhade Akshay Ramesh	Ramesh Akshay	Ramesh Akshay	Ramesh Akshay	Ramesh Akshay	Ramesh Akshay	Ramesh Akshay	Ramesh Akshay
8.	Gadge Ketan Laxman	Ketan Laxman	Ketan Laxman	Ketan Laxman	Ketan Laxman	Ketan Laxman	Ketan Laxman	Ketan Laxman
9.	Gare Prasad Jayram	Prasad Jayram	Prasad Jayram	Prasad Jayram	Prasad Jayram	Prasad Jayram	Prasad Jayram	Prasad Jayram
10.	Gavate Vijaya Kanti	---	---	---	---	---	---	---
11.	Ghatal Pravin Jayram	Pravin Jayram	Pravin Jayram	Ab	Pravin Jayram	Pravin Jayram	Pravin Jayram	Pravin Jayram
12.	Gimbal Surekha Suresh	Surekha Suresh	Surekha Suresh	Ab	Surekha Suresh	Surekha Suresh	Surekha Suresh	Ab
13.	Gurav Ravindra Revaj	Ravindra Revaj	Ravindra Revaj	Ravindra Revaj	Ab	Ravindra Revaj	Ravindra Revaj	Ravindra Revaj
14.	Jadhav Ghanshyam Laxman	Ab	Ghanshyam	Ghanshyam	Ghanshyam	Ghanshyam	Ghanshyam	Ghanshyam
15.	Khale Swapnil Shankar	Swapnil Shankar	Swapnil Shankar	Swapnil Shankar	Swapnil Shankar	Swapnil Shankar	Swapnil Shankar	Swapnil Shankar



Co-ordinator
Course Coordinator

Head
Head,
Dept. of Chemistry

Principal
Principal
Arts, Science & Commerce, College
Mokhada, Dist. Palghar

Short Term Course: "Preparation of Household Products"
Theory Attendance Report 2021-22 (2.00 pm to 3.00 pm)

Sr.No.	Name of the Student	17-03-2022	19-03-2022	24-03-2022	25-03-2022	26-03-2022	31-03-2022	1-04-2022	7-04-2022
1.	Baraf Eshwar Rambhau	Baraf Eshwar Rambhau	Baraf Eshwar Rambhau	Baraf Eshwar Rambhau	Baraf Eshwar Rambhau	Baraf Eshwar Rambhau	Ab	Baraf Eshwar Rambhau	Baraf Eshwar Rambhau
2.	Bhat Hritik Sunil	Bhat Hritik Sunil	Bhat Hritik Sunil	Bhat Hritik Sunil	Bhat Hritik Sunil	Bhat Hritik Sunil	Bhat Hritik Sunil	Bhat Hritik Sunil	Bhat Hritik Sunil
3.	Bhovar Sachin Lahanu	Bhovar Sachin Lahanu	Bhovar Sachin Lahanu	Bhovar Sachin Lahanu	Bhovar Sachin Lahanu	Bhovar Sachin Lahanu	Ab	Bhovar Sachin Lahanu	Bhovar Sachin Lahanu
4.	Budhar Pravin Ankush	Budhar Pravin Ankush	Budhar Pravin Ankush	Budhar Pravin Ankush	Budhar Pravin Ankush	Budhar Pravin Ankush	Ab	Budhar Pravin Ankush	Budhar Pravin Ankush
5.	Dhodi Jayesh Ramu	Dhodi Jayesh Ramu	Dhodi Jayesh Ramu	Dhodi Jayesh Ramu	Dhodi Jayesh Ramu	Dhodi Jayesh Ramu	Ab	Dhodi Jayesh Ramu	Dhodi Jayesh Ramu
6.	Dhum Nilesh Vasant	Dhum Nilesh Vasant	Dhum Nilesh Vasant	Dhum Nilesh Vasant	Dhum Nilesh Vasant	Dhum Nilesh Vasant	Ab	Dhum Nilesh Vasant	Dhum Nilesh Vasant
7.	Dodhade Akshay Ramesh	Dodhade Akshay Ramesh	Dodhade Akshay Ramesh	Dodhade Akshay Ramesh	Dodhade Akshay Ramesh	Dodhade Akshay Ramesh	N.V. Dhumi	Dodhade Akshay Ramesh	Dodhade Akshay Ramesh
8.	Gadge Ketan Laxman	Gadge Ketan Laxman	Gadge Ketan Laxman	Gadge Ketan Laxman	Gadge Ketan Laxman	Gadge Ketan Laxman	Prunoti	Gadge Ketan Laxman	Gadge Ketan Laxman
9.	Gare Prasad Jayram	Gare Prasad Jayram	Gare Prasad Jayram	Gare Prasad Jayram	Gare Prasad Jayram	Gare Prasad Jayram	Prunoti	Gare Prasad Jayram	Gare Prasad Jayram
10.	Gavate Vijaya Kanti	Gavate Vijaya Kanti	Gavate Vijaya Kanti	Gavate Vijaya Kanti	Gavate Vijaya Kanti	Gavate Vijaya Kanti	Prunoti	Gavate Vijaya Kanti	Gavate Vijaya Kanti
11.	Ghatal Pravin Jayram	Ghatal Pravin Jayram	Ghatal Pravin Jayram	Ghatal Pravin Jayram	Ghatal Pravin Jayram	Ghatal Pravin Jayram	N.V. Dhumi	Ghatal Pravin Jayram	Ghatal Pravin Jayram
12.	Gimbhal Surekha Suresh	Gimbhal Surekha Suresh	Gimbhal Surekha Suresh	Gimbhal Surekha Suresh	Gimbhal Surekha Suresh	Gimbhal Surekha Suresh	Prunoti	Gimbhal Surekha Suresh	Gimbhal Surekha Suresh
13.	Gurav Ravindra Revaj	Gurav Ravindra Revaj	Gurav Ravindra Revaj	Gurav Ravindra Revaj	Gurav Ravindra Revaj	Gurav Ravindra Revaj	Prunoti	Gurav Ravindra Revaj	Gurav Ravindra Revaj
14.	Jadhav Ghanshyam Laxman	Jadhav Ghanshyam Laxman	Jadhav Ghanshyam Laxman	Jadhav Ghanshyam Laxman	Jadhav Ghanshyam Laxman	Jadhav Ghanshyam Laxman	Prunoti	Jadhav Ghanshyam Laxman	Jadhav Ghanshyam Laxman
15.	Khale Swapnil Shankar	Khale Swapnil Shankar	Khale Swapnil Shankar	Khale Swapnil Shankar	Khale Swapnil Shankar	Khale Swapnil Shankar	Prunoti	Khale Swapnil Shankar	Khale Swapnil Shankar



Goodanp.
Course Coordinator

hewi
Head,
Dept. of Chemistry

Principal
Arts, Science & Commerce, College
Mokhada, Dist. Palghar

Short Term Course: "Preparation of Household Products"
Practical Attendance Report 2021-22 (2.00 pm to 3.00 pm)

Sr.No.	Name of the Student	3-12-2021	10-12-2021	17-12-2021	24-12-2021	4-02-2022	11-02-2022	18-02-2022	25-02-2022
1.	Baraf Eshwar Rambhau	Baraf Eshwar A	Baraf Eshwar A	Baraf Eshwar A	Baraf Eshwar A	Baraf Eshwar A	Baraf Eshwar A	Baraf Eshwar A	Baraf Eshwar A
2.	Bhat Hritik Sunil	Bhat Hritik A	Bhat Hritik A	Bhat Hritik A	Bhat Hritik A	Bhat Hritik A	Bhat Hritik A	Bhat Hritik A	Bhat Hritik A
3.	Bhavar Sachin Lahanu	Bhavar Sachin A	Bhavar Sachin A	Bhavar Sachin A	Bhavar Sachin A	Bhavar Sachin A	Bhavar Sachin A	Bhavar Sachin A	Bhavar Sachin A
4.	Budhar Pravin Ankush	Budhar Pravin A	Budhar Pravin A	Budhar Pravin A	Budhar Pravin A	Budhar Pravin A	Budhar Pravin A	Budhar Pravin A	Budhar Pravin A
5.	Dhodi Jayesh Ramu	Dhodi Jayesh A	Dhodi Jayesh A	Dhodi Jayesh A	Dhodi Jayesh A	Dhodi Jayesh A	Dhodi Jayesh A	Dhodi Jayesh A	Dhodi Jayesh A
6.	Dhum Nilesh Vasant	Dhum Nilesh A	Dhum Nilesh A	Dhum Nilesh A	Dhum Nilesh A	Dhum Nilesh A	Dhum Nilesh A	Dhum Nilesh A	Dhum Nilesh A
7.	Dodhade Akshay Ramesh	Dodhade Akshay A	Dodhade Akshay A	Dodhade Akshay A	Dodhade Akshay A	Dodhade Akshay A	Dodhade Akshay A	Dodhade Akshay A	Dodhade Akshay A
8.	Gadge Ketan Laxman	Gadge Ketan A	Gadge Ketan A	Gadge Ketan A	Gadge Ketan A	Gadge Ketan A	Gadge Ketan A	Gadge Ketan A	Gadge Ketan A
9.	Gare Prasad Jayram	Gare Prasad A	Gare Prasad A	Gare Prasad A	Gare Prasad A	Gare Prasad A	Gare Prasad A	Gare Prasad A	Gare Prasad A
10.	Gavate Vijaya Kanti	Gavate Vijaya A	Gavate Vijaya A	Gavate Vijaya A	Gavate Vijaya A	Gavate Vijaya A	Gavate Vijaya A	Gavate Vijaya A	Gavate Vijaya A
11.	Ghatal Pravin Jayram	Ghatal Pravin A	Ghatal Pravin A	Ghatal Pravin A	Ghatal Pravin A	Ghatal Pravin A	Ghatal Pravin A	Ghatal Pravin A	Ghatal Pravin A
12.	Gimbhal Surekha Suresh	Gimbhal Surekha A	Gimbhal Surekha A	Gimbhal Surekha A	Gimbhal Surekha A	Gimbhal Surekha A	Gimbhal Surekha A	Gimbhal Surekha A	Gimbhal Surekha A
13.	Gurav Ravindra Revaj	Gurav Ravindra A	Gurav Ravindra A	Gurav Ravindra A	Gurav Ravindra A	Gurav Ravindra A	Gurav Ravindra A	Gurav Ravindra A	Gurav Ravindra A
14.	Jadhav Ghanshyam Laxman	Jadhav Ghanshyam A	Jadhav Ghanshyam A	Jadhav Ghanshyam A	Jadhav Ghanshyam A	Jadhav Ghanshyam A	Jadhav Ghanshyam A	Jadhav Ghanshyam A	Jadhav Ghanshyam A
15.	Khale Swapnil Shankar	Khale Swapnil A	Khale Swapnil A	Khale Swapnil A	Khale Swapnil A	Khale Swapnil A	Khale Swapnil A	Khale Swapnil A	Khale Swapnil A



Eadonab
Course Coordinator

Wani
Head,
Dept. of Chemistry

Principal
Arts, Science & Commerce, College
Mokhada, Dist. Palghar

Short Term Course: "Preparation of Household Products"
Practical Attendance Report 2021-22 (2.00 pm to 3.00 pm)

Sr.No.	Name of the Student	4-03-2022	11-03-2022	25-03-2022	1-04-2022
1.	Baraf Eshwar Rambhau	Baraf Eshwar Rambhau Ab	Baraf Eshwar Rambhau Ab	Baraf Eshwar Rambhau Ab	Baraf Eshwar Rambhau Ab
2.	Bhat Hritik Sunil	Bhat Hritik Sunil Ab	Bhat Hritik Sunil Ab	Bhat Hritik Sunil Ab	Bhat Hritik Sunil Ab
3.	Bhovar Sachin Lahanu	Bhovar Sachin Lahanu Ab	Bhovar Sachin Lahanu Ab	Bhovar Sachin Lahanu Ab	Bhovar Sachin Lahanu Ab
4.	Budhar Pravin Ankush	Budhar Pravin Ankush Ab	Budhar Pravin Ankush Ab	Budhar Pravin Ankush Ab	Budhar Pravin Ankush Ab
5.	Dhodi Jayesh Ramu	Dhodi Jayesh Ramu Ab	Dhodi Jayesh Ramu Ab	Dhodi Jayesh Ramu Ab	Dhodi Jayesh Ramu Ab
6.	Dhum Nilesh Vasant	Dhum Nilesh Vasant Ab	Dhum Nilesh Vasant Ab	Dhum Nilesh Vasant Ab	Dhum Nilesh Vasant Ab
7.	Dodhade Akshay Ramesh	Dodhade Akshay Ramesh Ab	Dodhade Akshay Ramesh Ab	Dodhade Akshay Ramesh Ab	Dodhade Akshay Ramesh Ab
8.	Gadge Ketan Laxman	Gadge Ketan Laxman Ab	Gadge Ketan Laxman Ab	Gadge Ketan Laxman Ab	Gadge Ketan Laxman Ab
9.	Gare Prasad Jayram	Gare Prasad Jayram Ab	Gare Prasad Jayram Ab	Gare Prasad Jayram Ab	Gare Prasad Jayram Ab
10.	Gavate Vijaya Kanti	Gavate Vijaya Kanti Ab	Gavate Vijaya Kanti Ab	Gavate Vijaya Kanti Ab	Gavate Vijaya Kanti Ab
11.	Ghatal Pravin Jayram	Ghatal Pravin Jayram Ab	Ghatal Pravin Jayram Ab	Ghatal Pravin Jayram Ab	Ghatal Pravin Jayram Ab
12.	Gimbal Surekha Suresh	Gimbal Surekha Suresh Ab	Gimbal Surekha Suresh Ab	Gimbal Surekha Suresh Ab	Gimbal Surekha Suresh Ab
13.	Gurav Ravindra Revaj	Gurav Ravindra Revaj Ab	Gurav Ravindra Revaj Ab	Gurav Ravindra Revaj Ab	Gurav Ravindra Revaj Ab
14.	Jadhav Ghanshyam Laxman	Jadhav Ghanshyam Laxman Ab	Jadhav Ghanshyam Laxman Ab	Jadhav Ghanshyam Laxman Ab	Jadhav Ghanshyam Laxman Ab
15.	Khale Swapnil Shankar	Khale Swapnil Shankar Ab	Khale Swapnil Shankar Ab	Khale Swapnil Shankar Ab	Khale Swapnil Shankar Ab



Badanp
Course Coordinator

Wesi
Head,
Dept. of Chemistry

YB
Principal
Arts, Science & Commerce, College
Mokhada, Dist. Palghar

Rayat Shikshan Sanstha's,
ASC College, Mokhada, Dist: Palghar
Department of Chemistry

Short Term Course 2021-22

Short Term / Certificate course in Preparation of Household Products

Date: 04-04-2022

Notice

Students who are enrolled in short term course **Short Term / Certificate course in Preparation of Household Products** are hereby informed that the Department of Chemistry, ASC College, Mokhada going to conduct a test on the said course on 09-04-2022 at 11.00 am. The test is objective type and duration of test is one hour. All students of the course must remain present.

Gadewar

Course Coordinator

Heer

Head,

Dept. of Chemistry,
ASC College, Mokhada.



[Signature]
Principal

Arts, Science & Commerce, College
Mokhada, Dist. Palghar



Rayat Shikshan Sanstha's,
Arts, Science and Commerce College, Mokhada, Dist. Palghat

Department of Chemistry

Short Term Course: Preparation of Household Products

Examination April 2022

Marks: 50

Date: 9-04-2022

Name:

Roll No.

All questions are compulsory

All questions carry equal marks.

Q. Select the correct alternative from the following

50 M

- Which of the following causes soap to lather?
 - Sodium carbonate
 - Sodium rosinate
 - Sodium silicate
 - Borax
- When soap is dissolved in ethanol followed by the evaporation of excess solvent, what type of soap is formed?
 - Transparent soap
 - Floating soap
 - Shaving soap
 - Laundry soap
- Dishwashing liquids are examples of _____
 - Soaps
 - anionic detergents
 - cationic detergents
 - non-ionic detergents
- Identify the cationic detergent from the following.
 - Cetyltrimethylammonium bromide
 - Sodium dodecyl sulphate
 - Pentaerythritol monostearate
 - Sodium lauryl sulphate



5. What is the use of trisodium phosphate in soap powders?
 - a) To make soap act rapidly
 - b) To make it lather
 - c) To prevent rapid drying
 - d) For good odour
6. Which among the following is a common salt in Detergents?
 - a) Sulfate
 - b) Nitrate
 - c) Sulphonate
 - d) Carbonate
7. Which of the following is the product of saponification process?
 - a) Ethanoic acid
 - b) Ethanol
 - c) Butanaldehyde
 - d) Glycerol
8. Which of these chemical is used to form soft soaps containing potassium salts?
 - a) KOH
 - b) NaOH
 - c) H_2SO_4
 - d) NO_2
9. Which of these chemical is used to form lemon soaps?
 - a) Alum
 - b) Nitrogen
 - c) Lemon essence
 - d) Chlorine
10. Flavors and perfumes are
 - a) Oils
 - b) Volatile oils
 - c) Essential oils
 - d) Liquids
11. Which of the following statement is true?
 - a) Soaps and detergents both are used only in soft water
 - b) Soaps and detergents both are used in soft as well as hard water
 - c) Soap is used only in soft water while detergent can be used in soft as well as hard water
 - d) Detergent is used only in soft water while soap is used in soft and hard water both
12. Which of the following compounds cannot remove grease from the clothes?
 - a) Gasoline



- b) Potassium palmitate
- c) Soap
- d) Potassium pentanoate

13. Which of the following is an ordinary soap?

- a) Sodium stearate
- b) Calcium stearate
- c) Sodium acetate
- d) Sodium benzoate

14. Soaps and detergents are kept in the family of which of the following types of compounds?

- a) Surface active
- b) Surface inactive
- c) Water soluble
- d) Water insoluble

15. Which of the following statement is wrong about detergent?

- a) They are used in soft water only
- b) They are used both in soft and hard water
- c) They decrease the surface tension of water
- d) They can be prepared from benzene sulphonic acid

16. Soap is....

- a) Sodium stearate
- b) Calcium stearate
- c) Sodium acetate
- d) Sodium benzoate

17. Detergent is.....

- a) Sodium stearate
- b) Sodium alkyl sulphonate
- c) Potassium butyrate
- d) Sodium oleate

18. Bath soap is a mixture of.....

- a) Potassium salts of higher fatty acids
- b) Sodium and calcium salts of higher fatty acids
- c) Potassium palmitate and sodium stearate



- d) Sodium salts of higher fatty acids
19. Which of the following is the main component of bathing soap?
- Caustic potash
 - Glycerine
 - Potassium glycolate
 - Potassium stearate
20. Which of the following is not used in the preparation of soap?
- Palmitic acid
 - Stearic acid
 - Lauric acid
 - Benzoic acid
21. The chemical name of washing soda....
- Sodium carbonate
 - Sodium bicarbonate
 - Sodium chloride
 - Sodium sulphate
22. Soaps are sodium salts of which of the following...
- Mineral acids
 - Fatty acids
 - Lactic acid
 - Carbonic acid
23. The process of manufacturing of soap is called ___
- Ion exchange
 - Alphonation
 - Saponification
 - Steam distillation
24. The process of manufacturing of soap is called ___
- Ion exchange
 - Alphonation
 - Saponification
 - Steam distillation
25. Glycerol is added to soap. Its functions
- As a filler.
 - To increase leathering.
 - to prevent rapid drying.
 - to make soap granules.

Rayat Shikshan Sanstha's,
Arts, Science and Commerce College, Mokhada, Dist. Palghar

Department of Chemistry

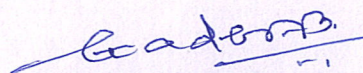
Short Term Course: Preparation of Household Products

Date: 11-04-2022

Mark List

S.N.	Roll No.	Name of the Student	Marks (Out of 50)
1.	7001/21	Baraf Eshwar Rambhau	32
2.	7002/21	Bhat Hritik Sunil	34
3.	7003/21	Bhovar Sachin Lahanu	38
4.	7004/21	Budhar Pravin Ankush	40
5.	7005/21	Dhodi Jayesh Ramu	38
6.	7006/21	Dhum Nilesh Vasant	38
7.	7007/21	Dodhade Akshay Ramesh	32
8.	7008/21	Gadge Ketan Laxman	34
9.	7009/21	Gare Prasad Jayram	38
10.	7010/21	Gavate Vijaya Kanti	Ab
11.	7011/21	Ghatal Pravin Jayram	38
12.	7012/21	Gimbhal Surekha Suresh	40
13.	7013/21	Gurav Ravindra Revaj	34
14.	7014/21	Jadhav Ghanshyam Laxman	40
15.	7015/21	Khale Swapnil Shankar	32




Course Coordinator
(Dr. V. B. Gade)



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Arts, Science & Commerce, College
Mokhada, Dist. Palghar

Rayat Shikshan Sanstha's,
ASC College, Mokhada, Dist: Palghar
Department of Chemistry

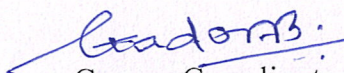
Short Term Course 2021-22

Short Term / Certificate course in Preparation of Household Products

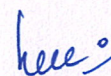
Date: 11-04-2022

Report

The Department of Chemistry, ASC College, Mokhada conducted a short term course entitled **Preparation of Household Products**. Total 15 students of F.Y.B.Sc. were admitted in the course. The duration of course was three months. 14 students have successfully completed the course. The course was conducted satisfactorily by the Dept. of Chemistry, ASC College, Mokhada, Dist: Palghar.

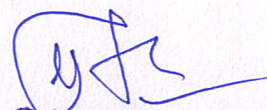

Course Coordinator





Head,

Dept. of Chemistry,
ASC College, Mokhada.



Principal

Arts, Science & Commerce, College
Mokhada, Dist. Palghar



075

Rayat Shikshan Sanstha, Satara
Karmaveer Vidya Prabodhini

CERTIFICATE

This is to certify that Shri / Smt Shodi Jayesh Ramu
..... (Class F.Y. B.Sc.) of

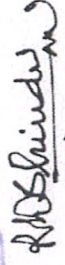
(College) Art's, science & commerce college,

Mokhada, Dist: Palghar has successfully completed
a short term course in Preparation of Household Products.

Academic year 2021 2022 (From 02-12-21 To 07-04-22) and
secured Grade.




PRINCIPAL



Executive Director
Karmaveer Vidyaprabodhini



Chairman
Karmaveer Vidyaprabodhini



074

Rayat Shikshan Sanstha, Satara
Karmaveer Vidya Prabodhini

CERTIFICATE

This is to certify that Shri / Smt Budhar Pravin Ankush
..... (Class F. Y. B. Sc.) of

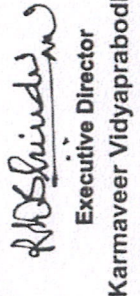
(College) Art's, science & commerce college,
Mokhada, Dist: Palghar..... has successfully completed

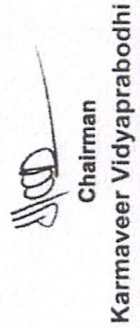
a short term course in Preparation of Household Products

Academic year 2021 2022 (From 02-12-21 To 07-04-22) and
secured Grade.




PRINCIPAL


Executive Director
Karmaveer Vidyaprabodhini


Chairman
Karmaveer Vidyaprabodhi



073

Rayat Shikshan Sanstha, Satara
Karmaveer Vidya Prabodhini

CERTIFICATE

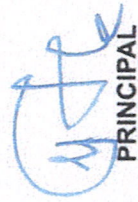
This is to certify that Shri / Smt. Bhavor Sachin Baharu
..... (Class F.Y B.Sc.) of

(College) Art's science & commerce college,

Mokhada, Dist: Palghar has successfully completed
a short term course in Preparation of Household Products.....

Academic year 2021 2022 (From 02-12-21 To 07-04-22) and
secured Grade.




PRINCIPAL



Executive Director
Karmaveer Vidyaprabodhini



Chairman
Karmaveer Vidyaprabodhini



071

Rayat Shikshan Sanstha, Satara
Karmaveer Vidya Prabodhini

CERTIFICATE

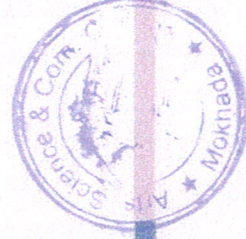
This is to certify that Shri / Smt
Barak Eshwar Rambhau
..... (Class F.Y.B.Sc.) of

(College) Art's, Science & commerce college

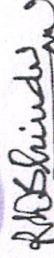
Mokhada Dist: Palghat has successfully completed
a short term course in Preparation of Household Products

Academic year 2021 2022 (From 02-12-21 To 07-04-22) and

secured Grade.




PRINCIPAL



Executive Director
Karmaveer Vidyaprabodhini



Chairman
Karmaveer Vidyaprabodhini



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Rayat Shikshan Sanstha, Satara
Karmaveer Vidya Prabodhini

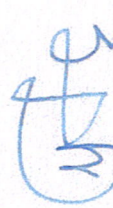
CERTIFICATE


This is to certify that Shri / Smt Bhat Hritik Sunil
..... (Class F.Y.B.Sc.) of

(College) Art's, science & commerce college
Mokhada, Dist. Palghar has successfully completed
a short term course in Preparation of Household Products.

Academic year 20 21 20 22 (From 02-12-21 To 07-04-22) and
secured Grade.




PRINCIPAL



Executive Director
Karmaveer Vidyaprabodhini



Chairman
Karmaveer Vidyaprabodhini