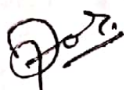


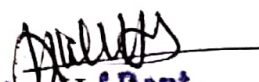
Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)
Department of Chemistry

Notice

All the Students of B.Sc. part III are hereby informed that the short term course 'Preparation of Household Chemicals' will be started from 02 February 2023 as per the given time table. Its compulsory course to all B.Sc. III students.



Coordinator



Head of Dept.
Department of Chemistry
Dr. Patangrao Kadam Mahavidhyala
Ramanandnagar (Burli)

Rayat Shikshan Sanstha's

Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)

Department- Chemistry

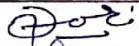
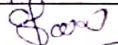

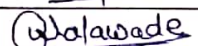
Short Term Course 'Preparation of Household Chemicals'

Year: 2022-23

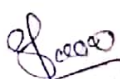
Constitution of Committee

During the academic year 2022-23 the Department of Chemistry has decided to run a Short Term Course on "Preparation of Household Chemicals" for B.Sc. III as well as other interested students. The Board of studies for abovesaid course is tabulated below;

BOARD OF STUDIES

Sr. No	Name of Member	Designation	Signature
01	Mr. D. P. Gawari	Chairman	
02	Mr. D. A. Sasane	Member	
03	Mr. Y. R. Sable	Member	
04	Ms. V. V. Nalawde	Member	


Co-ordinator


Head Dept.
Department of Chemistry
Dr. Patangrao Kadam Mahavidyalaya
Ramanandnagar (Burli)

Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya Ramanandnagar (Burli)
Department Of Chemistry
Short Term Course 'Preparation of Household Chemicals'
Syllabus

.....

Paper – I Basic Concept of Household Chemicals

Unit I :- Domestic Chemicals

- 1.1 Introduction of domestic chemicals
- 1.2 Sanitary acids
- 1.3 Phenyl
- 1.4 Liquid soaps; Lysol, Dettol savlon
- 1.5 Acid – Bases
- 1.6 General Introduction
- 1.7 Theory
- 1.8 Types
- 1.9 Cleaning action of acids and Handling and precautions

Unit II :- Domestic chemicals

- 2.1 Mole concept
- 2.2 Concentration
- 2.3 Units of concentration
- 2.4 Normality
- 2.5 Molarity
- 2.6 Molality
- 2.7 Mole Fraction
- 2.8 Percentage composition by Volume
- 2.9 Percentage composition by weight

Unit III :- Domestic Titration

- 3.1 General Introduction
- 3.2 Types of titration
- 3.3 Indicator
- 3.4 Theory and types

Paper- II :- Mechanism, precaution and cleaning action of household chemicals [30 Marks]

Unit I: - Soaps and detergents

- **Soaps:-**
 - 1.1 Raw materials
 - 1.2 Types of soaps
 - 1.3 Manufacture of soaps, Hot Process
 - 1.4 Cleaning action of soaps
- **Detergents:-**
 - 1.5 Raw materials
 - 1.6 Types of detergents, Cationic, anionic, amphoteric and neutral.
 - 1.7 Preparation of teepol and deriphat.
 - 1.8 Comparison between soaps and detergents

Unit II: - Phenols

- 2.1 Physical properties,
- 2.2 Chemical properties
- 2.3 Uses

Unit III: - Phenyl

- 3.1 Preparation
- 3.2 Ingredients and uses
- 3.3 Advantage and drawback of phenyl.

Paper- III :- Practicals [40 Marks]

- 1) Volumetric titration (2)
- 2) Conduct metric titration(2)
- 3) PH- metry (2)
- 4) Preparation of standard solutions(2)
- 5) Preparation of chromic acids
- 6) Preparation of candles
- 7) Preparation of phenyls
- 8) Preparation of dyes
- 9) Determination of sap value of oil.
- 10) Market survey of house hold chemicals

Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)
Department of Chemistry
Short Term Certificate course
“Preparation of Household Chemicals”
(2022-23)

Outcomes:-

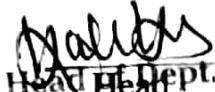
- To make availability of self employment.
- To build confidence for doing business.
- To Increase skills required for business.
- To develop Knowledge of domestic chemicals.
- To develop Skill of subject knowledge on applied basis.

Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)
Department of Chemistry
Short Term Course 'Preparation of Household Chemicals'
Student List 2022 - 23

Sr. No.	Roll No.	Name Of the Student
1	1851	AIWALE ARATI SATISH
2	1852	ARBUNE RUTUJA VINAYAK
3	1853	BAWADEKAR ANIKET SANJAY (MANISHA)
4	1854	CHAVAN GAYTRI DADASO
5	1855	DANGE ROHAN KISAN (SANDHYARANI)
6	1856	DHOKALE JAYESH HANMANTRAO
7	1857	GASTE VINAY SHANKAR
8	1858	HOWAL SAKSHI SANAJAY
9	1859	JADHAV ABHISHEK BABASO
10	1860	JADHAV PAVAN PRALHAD
11	1861	JADHAV PRATIKSHA CHANDRAKANT
12	1862	JADHAV SHRIDHAR RAJENDRA
13	1863	KADAM SUJIT SUBHASH (VAISHALI)
14	1864	KATE SANGRAM JAGANNATH
15	1865	LAD VISHWAJEET VIJAY
16	1866	LOKHANDE TUSHAR NAGESH
17	1867	MASKE SHUBHAM JAGANNATH
18	1868	MOHITE AJAY ASHOK
19	1869	MOHITE SAKSHI MAHADEV
20	1870	MULIK AKASH VISHWAS
21	1871	NALAWADE OMKAR BHARAT
22	1872	NALAWADE SANIKA VIJAY
23	1873	NAVADKAR SNEHAL SARJERAO
24	1874	NIKAM TUSHAR RAJENDRA
25	1875	PATHAN SANA AMJAD
26	1876	PATIL ABHISHEK ANIL
27	1877	PATIL PRATIK DHONDIRAM
28	1878	PATIL RUTUJA ANANDA
29	1879	PATIL SANKET SANTOSH (SUREKHA)
30	1880	PATIL SUMIT BHALCHANDRA

31	1881	PATIL UTKARSHA UTTAM
32	1882	PATIL VARSHA RAMESH
33	1883	PAWAR KETAN SANDIP
34	1884	PAWAR PRATHMESH SANJAY
35	1885	PAWAR VAISHNAVI VASANT
36	1886	SURYAWANSHI ROHIT SANJAY
37	1887	YEWARE ANIKET DATTATRAY


Coordinator


Head of Dept.
Department of Chemistry
Dr. Patangrao Kadam Mahavidhyalaya
Ramanandnagar (Burla)

Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)
 SHORT TERM COURSE
 'PREPARATION OF HOUSEHOLD CHEMICALS'
Time Table (2022-23)

Theory

B.Sc. III

Time - 01:00 to 02:00 pm

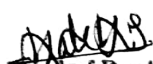
Sr. No.	Date	Name of the Lecturer	Sr. No.	Date	Name of the Lecturer
1	02.02.2023	Mr. D. P. Gawari	13	21.03.2023	Mr. D. P. Gawari
2	04.02.2023	Mr. D. A. Sasane	14	25.03.2023	Mr. D. A. Sasane
3	07.02.2023	Mr. Y. R. Sable	15	28.03.2023	Mr. Y. R. Sable
4	14.02.2023	Miss.V.V. Nalawade	16	01.04.2023	Miss.V.V. Nalawade
5	21.02.2023	Mr. D. P. Gawari	17	04.04.2023	Mr. D. P. Gawari
6	25.02.2023	Mr. D. A. Sasane	18	08.04.2023	Mr. D. A. Sasane
7	28.02.2023	Mr. Y. R. Sable	19	11.04.2023	Mr. Y. R. Sable
8	04.03.2023	Miss.V.V. Nalawade	20	15.04.2023	Miss.V.V. Nalawade
9	07.03.2023	Mr. D. P. Gawari	21	22.04.2023	Mr. D. P. Gawari
10	11.03.2023	Mr. D. A. Sasane	22	25.04.2023	Mr. D. A. Sasane
11	14.03.2023	Mr. Y. R. Sable	23	29.04.2023	Mr. Y. R. Sable
12	18.03.2023	Miss.V.V. Nalawade	24	02.05.2023	Miss.V.V. Nalawade

Practical

Time: - 02.00 to 05.00 pm

Sr.No.	Date	Name of the Lecturer	Sr.No.	Date	Name of the Lecturer
1	04.02.2023	Mr. D. P. Gawari	5	14.03.2023	Mr. D. P. Gawari
2	14.02.2023	Mr. D. A. Sasane	6	21.03.2023	Mr. D. A. Sasane
3	25.02.2023	Mr. Y. R. Sable	7	04.04.2023	Mr. Y. R. Sable
4	07.03.2023	Miss.V.V. Nalawade	8	11.04.2023	Miss.V.V. Nalawade


 Coordinator


 Head of Dept.
 Department of Chemistry
 Dr. Patangrao Kadam Mahavidhyalaya
 Ramanandnagar (Burli)

Rayat Shikshan Sanstha's
 Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)
 SHORT TERM COURSE (2022-23)
 'PREPARATION OF HOUSEHOLD CHEMICALS'
 Student's Present report

Sr. No.	Name Of the Students	2/2/23	4/2/23	9/2/23	11/2/23	16/2/23	18/2/23	23/2/23	25/2/23
1	AIWALE ARATI SATISH	<u>Asiwale</u>	<u>Asiwale</u>	<u>Asiwale</u>	<u>Asiwale</u>	<u>Asiwale</u>	<u>Asiwale</u>	<u>Asiwale</u>	<u>Asiwale</u>
2	ARBUNE RUTUJA VINAYAK	<u>Arbune</u>	<u>Arbune</u>	<u>Arbune</u>	<u>Arbune</u>	<u>Arbune</u>	<u>Arbune</u>	<u>Arbune</u>	<u>Arbune</u>
3	BAWADEKAR ANIKET SANJAY	<u>Bawadekar</u>	<u>Bawadekar</u>	<u>Bawadekar</u>	<u>Bawadekar</u>	<u>Bawadekar</u>	<u>Bawadekar</u>	<u>Bawadekar</u>	<u>Bawadekar</u>
4	CHAVAN GAYTRI DADASO	<u>Chavan</u>	<u>Chavan</u>	<u>Chavan</u>	<u>Chavan</u>	<u>Chavan</u>	<u>Chavan</u>	<u>Chavan</u>	<u>Chavan</u>
5	DANGE ROHAN KISAN	<u>Dange</u>	<u>Dange</u>	<u>Dange</u>	<u>Dange</u>	<u>Dange</u>	<u>Dange</u>	<u>Dange</u>	<u>Dange</u>
6	DHOKALE JAYESH HANMANTRAO	<u>Dhokale</u>	<u>Dhokale</u>	<u>Dhokale</u>	<u>Dhokale</u>	<u>Dhokale</u>	<u>Dhokale</u>	<u>Dhokale</u>	<u>Dhokale</u>
7	GASTE VINAY SHANKAR	<u>Gaste</u>	<u>Gaste</u>	<u>Gaste</u>	<u>Gaste</u>	<u>Gaste</u>	<u>Gaste</u>	<u>Gaste</u>	<u>Gaste</u>
8	HOWAL SAKSHI SANAJAY	<u>Howal</u>	<u>Howal</u>	<u>Howal</u>	<u>Howal</u>	<u>Howal</u>	<u>Howal</u>	<u>Howal</u>	<u>Howal</u>
9	JADHAV ABHISHEK BABASO	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>
10	JADHAV PAVAN PRALHAD	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>
11	JADHAV PRATIKSHA CHANDRAKANT	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>
12	JADHAV SHRIDHAR RAJENDRA	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>
13	KADAM SUJIT SUBHASH	<u>Kadam</u>	<u>Kadam</u>	<u>Kadam</u>	<u>Kadam</u>	<u>Kadam</u>	<u>Kadam</u>	<u>Kadam</u>	<u>Kadam</u>
14	KATE SANGRAM JAGANNATH	<u>Kate</u>	<u>Kate</u>	<u>Kate</u>	<u>Kate</u>	<u>Kate</u>	<u>Kate</u>	<u>Kate</u>	<u>Kate</u>
15	LAD VISHWAJEET VIJAY	<u>Lad</u>	<u>Lad</u>	<u>Lad</u>	<u>Lad</u>	<u>Lad</u>	<u>Lad</u>	<u>Lad</u>	<u>Lad</u>
16	LOKHANDE TUSHAR NAGESH	<u>Lokhande</u>	<u>Lokhande</u>	<u>Lokhande</u>	<u>Lokhande</u>	<u>Lokhande</u>	<u>Lokhande</u>	<u>Lokhande</u>	<u>Lokhande</u>
17	MASKE SHUBHAM JAGANNATH	<u>Maske</u>	<u>Maske</u>	<u>Maske</u>	<u>Maske</u>	<u>Maske</u>	<u>Maske</u>	<u>Maske</u>	<u>Maske</u>

Sr. No.	Name Of the Students	2/3/23	4/3/23	9/3/23	11/3/23	16/3/23	18/3/23	23/3/23	25/3/23
1	AIWALE ARATI SATISH	Asiwale	Asiwale	Asiwale	Asiwale	Asiwale	Asiwale	Asiwale	Asiwale
2	ARBUNE RUTUJA VINAYAK	Arbune	Arbune	Arbune	Arbune	Arbune	Arbune	Arbune	Arbune
3	BAWADEKAR ANIKET SANJAY	Ans	Ans	Ans	Ans	Ans	Ans	Ans	Ans
4	CHAVAN GAYTRI DADASO	Chavan	Chavan	Chavan	Chavan	Chavan	Chavan	Chavan	Chavan
5	DANGE ROHAN KISAN	DKD	DKD	DKD	DKD	DKD	DKD	DKD	DKD
6	DHOKALE JAYESH HANMANTRAO	Dhokale	Dhokale	Dhokale	Dhokale	Dhokale	Dhokale	Dhokale	Dhokale
7	GASTE VINAY SHANKAR	Gaste	Gaste	Gaste	Gaste	Gaste	Gaste	Gaste	Gaste
8	HOWAL SAKSHI SANAJAY	Howal	Howal	Howal	Howal	Howal	Howal	Howal	Howal
9	JADHAV ABHISHEK BABASO	Jadhave	Jadhave	Jadhave	Jadhave	Jadhave	Jadhave	Jadhave	Jadhave
10	JADHAV PAVAN PRALHAD	Jadhave	Jadhave	Jadhave	Jadhave	Jadhave	Jadhave	Jadhave	Jadhave
11	JADHAV PRATIKSHA CHANDRAKANT	Jadhave	Jadhave	Jadhave	Jadhave	Jadhave	Jadhave	Jadhave	Jadhave
12	JADHAV SHRIDHAR RAJENDRA	S.Rajendra	S.Rajendra	S.Rajendra	S.Rajendra	S.Rajendra	S.Rajendra	S.Rajendra	S.Rajendra
13	KADAM SUJIT SUBHASH	Sujit	Sujit	Sujit	Sujit	Sujit	Sujit	Sujit	Sujit
14	KATE SANGRAM JAGANNATH	S.J.kate	S.J.kate	S.J.kate	S.J.kate	S.J.kate	S.J.kate	S.J.kate	S.J.kate
15	LAD VISHWAJEET VIJAY	Vad	Vad	Vad	Vad	Vad	Vad	Vad	Vad
16	LOKHANDE TUSHAR NAGESH	Lokhande	Lokhande	Lokhande	Lokhande	Lokhande	Lokhande	Lokhande	Lokhande
17	MASKE SHUBHAM JAGANNATH	Maske	Maske	Maske	Maske	Maske	Maske	Maske	Maske

Sr. No.	Name Of the Students	31/3/23	1/4/23	6/4/23	8/4/23	13/4/23	15/4/23	20/4/23	27/4/23
1	AIWALE ARATI SATISH	Asiwale	Asiwale	Asiwale	Asiwale	Asiwale	Asiwale	Asiwale	Asiwale
2	ARBUNE RUTUJA VINAYAK	Arbune	Arbune	Arbune	Arbune	Arbune	Arbune	Arbune	Arbune
3	BAWADEKAR ANIKET SANJAY	As	As	As	As	As	As	As	As
4	CHAVAN GAYTRI DADASO	Chavan	Chavan	Chavan	Chavan	Chavan	Chavan	Chavan	Chavan
5	DANGE ROHAN KISAN	Dk	Dk	Dk	Dk	Dk	Dk	Dk	Dk
6	DHOKALE JAYESH HANMANTRAO	Dhokale	Dhokale	Dhokale	Dhokale	Dhokale	Dhokale	Dhokale	Dhokale
7	GASTE VINAY SHANKAR	Gaste	Gaste	Gaste	Gaste	Gaste	Gaste	Gaste	Gaste
8	HOWAL SAKSHI SANAJAY	Howal	Howal	Howal	Howal	Howal	Howal	Howal	Howal
9	JADHAV ABHISHEK BABASO	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav
10	JADHAV PAVAN PRALHAD	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav
11	JADHAV PRATIKSHA CHANDRAKANT	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav
12	JADHAV SHRIDHAR RAJENDRA	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav
13	KADAM SUJIT SUBHASH	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam
14	KATE SANGRAM JAGANNATH	S.J.kate	S.J.kate	S.J.kate	S.J.kate	S.J.kate	S.J.kate	S.J.kate	S.J.kate
15	LAD VISHWAJEET VIJAY	Lad	Lad	Lad	Lad	Lad	Lad	Lad	Lad
16	LOKHANDE TUSHAR NAGESH	Lokhande	Lokhande	Lokhande	Lokhande	Lokhande	Lokhande	Lokhande	Lokhande
17	MASKE SHUBHAM JAGANNATH	Maske	Maske	Maske	Maske	Maske	Maske	Maske	Maske

Sr. No.	Name Of the Students	2/2/23	4/2/23	9/2/23	11/2/23	16/2/23	18/2/23	23/2/23	25/2/23
18	MOHITE AJAY ASHOK	Aju	Aju	Aju	Aju	Aju	Aju	Aju	Aju
19	MOHITE SAKSHI MAHADEV	Mohite	Mohite	Mohite	Mohite	Mohite	Mohite	Mohite	Mohite
20	MULIK AKASH VISHWAS	Mulik	Mulik	Mulik	Mulik	Mulik	Mulik	Mulik	Mulik
21	NALAWADE OMKAR BHARAT	Omkar	Omkar	Omkar	Omkar	Omkar	Omkar	Omkar	Omkar
22	NALAWADE SANIKA VIJAY	SA	SA	SA	SA	SA	SA	SA	SA
23	NAVADKAR SNEHAL SARJERAO	SN	SN	SN	SN	SN	SN	SN	SN
24	NIKAM TUSHAR RAJENDRA	T	T	T	T	T	T	T	T
25	PATHAN SANA AMJAD	Pathan	Pathan	Pathan	Pathan	Pathan	Pathan	Pathan	Pathan
26	PATIL ABHISHEK ANIL	Abhi	Abhi	Abhi	Abhi	Abhi	Abhi	Abhi	Abhi
27	PATIL PRATIK DHONDIRAM	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik
28	PATIL RUTUJA ANANDA	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja
29	PATIL SANKET SANTOSH	S.S.P	S.S.P	S.S.P	S.S.P	S.S.P	S.S.P	S.S.P	S.S.P
30	PATIL SUMIT BHALCHANDRA	Sumit	Sumit	Sumit	Sumit	Sumit	Sumit	Sumit	Sumit
31	PATIL UTKARSHA UTTAM	Uttil	Uttil	Uttil	Uttil	Uttil	Uttil	Uttil	Uttil
32	PATIL VARSHA RAMESH	Varshi	Varshi	Varshi	Varshi	Varshi	Varshi	Varshi	Varshi
33	PAWAR KETAN SANDIP	Ketan	Ketan	Ketan	Ketan	Ketan	Ketan	Ketan	Ketan
34	PAWAR PRATHMESH SANJAY	P.S.PAWAR	P.S.PAWAR	P.S.PAWAR	P.S.PAWAR	P.S.PAWAR	P.S.PAWAR	P.S.PAWAR	P.S.PAWAR
35	PAWAR VAISHNAVI VASANT	Va	Va	Va	Va	Va	Va	Va	Va
36	SURYAWANSHI ROHIT SANJAY	Rohit	Rohit	Rohit	Rohit	Rohit	Rohit	Rohit	Rohit
37	YEWARE ANIKET D.	Ayeware	Ayeware	Ayeware	Ayeware	Ayeware	Ayeware	Ayeware	Ayeware

Sr. No.	Name Of the Students	2/3/23	4/3/23	9/3/23	11/3/23	16/3/23	18/3/23	23/3/23	25/3/23
18	MOHITE AJAY ASHOK	<u>Ajay</u>	<u>Ajay</u>	<u>Ajay</u>	<u>Ajay</u>	<u>Ajay</u>	<u>Ajay</u>	<u>Ajay</u>	<u>Ajay</u>
19	MOHITE SAKSHI MAHADEV	<u>Sakshi</u>	<u>Sakshi</u>	<u>Sakshi</u>	<u>Sakshi</u>	<u>Sakshi</u>	<u>Sakshi</u>	<u>Sakshi</u>	<u>Sakshi</u>
20	MULIK AKASH VISHWAS	<u>Akash</u>	<u>Akash</u>	<u>Akash</u>	<u>Akash</u>	<u>Akash</u>	<u>Akash</u>	<u>Akash</u>	<u>Akash</u>
21	NALAWADE OMKAR BHARAT	<u>Omkar</u>	<u>Omkar</u>	<u>Omkar</u>	<u>Omkar</u>	<u>Omkar</u>	<u>Omkar</u>	<u>Omkar</u>	<u>Omkar</u>
22	NALAWADE SANIKA VIJAY	<u>Sanika</u>	<u>Sanika</u>	<u>Sanika</u>	<u>Sanika</u>	<u>Sanika</u>	<u>Sanika</u>	<u>Sanika</u>	<u>Sanika</u>
23	NAVADKAR SNEHAL SARJERAO	<u>Snehal</u>	<u>Snehal</u>	<u>Snehal</u>	<u>Snehal</u>	<u>Snehal</u>	<u>Snehal</u>	<u>Snehal</u>	<u>Snehal</u>
24	NIKAM TUSHAR RAJENDRA	<u>Tushar</u>	<u>Tushar</u>	<u>Tushar</u>	<u>Tushar</u>	<u>Tushar</u>	<u>Tushar</u>	<u>Tushar</u>	<u>Tushar</u>
25	PATHAN SANA AMJAD	<u>Pathan</u>	<u>Pathan</u>	<u>Pathan</u>	<u>Pathan</u>	<u>Pathan</u>	<u>Pathan</u>	<u>Pathan</u>	<u>Pathan</u>
26	PATIL ABHISHEK ANIL	<u>Abhishek</u>	<u>Abhishek</u>	<u>Abhishek</u>	<u>Abhishek</u>	<u>Abhishek</u>	<u>Abhishek</u>	<u>Abhishek</u>	<u>Abhishek</u>
27	PATIL PRATIK DHONDIRAM	<u>Pratik</u>	<u>Pratik</u>	<u>Pratik</u>	<u>Pratik</u>	<u>Pratik</u>	<u>Pratik</u>	<u>Pratik</u>	<u>Pratik</u>
28	PATIL RUTUJA ANANDA	<u>Rutuja</u>	<u>Rutuja</u>	<u>Rutuja</u>	<u>Rutuja</u>	<u>Rutuja</u>	<u>Rutuja</u>	<u>Rutuja</u>	<u>Rutuja</u>
29	PATIL SANKET SANTOSH	<u>S.S.P</u>	<u>S.S.P</u>	<u>S.S.P</u>	<u>S.S.P</u>	<u>S.S.P</u>	<u>S.S.P</u>	<u>S.S.P</u>	<u>S.S.P</u>
30	PATIL SUMIT BHALCHANDRA	<u>Sumit</u>	<u>Sumit</u>	<u>Sumit</u>	<u>Sumit</u>	<u>Sumit</u>	<u>Sumit</u>	<u>Sumit</u>	<u>Sumit</u>
31	PATIL UTKARSHA UTTAM	<u>Utkarsha</u>	<u>Utkarsha</u>	<u>Utkarsha</u>	<u>Utkarsha</u>	<u>Utkarsha</u>	<u>Utkarsha</u>	<u>Utkarsha</u>	<u>Utkarsha</u>
32	PATIL VARSHA RAMESH	<u>Varsha</u>	<u>Varsha</u>	<u>Varsha</u>	<u>Varsha</u>	<u>Varsha</u>	<u>Varsha</u>	<u>Varsha</u>	<u>Varsha</u>
33	PAWAR KETAN SANDIP	<u>Ketan</u>	<u>Ketan</u>	<u>Ketan</u>	<u>Ketan</u>	<u>Ketan</u>	<u>Ketan</u>	<u>Ketan</u>	<u>Ketan</u>
34	PAWAR PRATHMESH SANJAY	<u>Prathmesh</u>	<u>Prathmesh</u>	<u>Prathmesh</u>	<u>Prathmesh</u>	<u>Prathmesh</u>	<u>Prathmesh</u>	<u>Prathmesh</u>	<u>Prathmesh</u>
35	PAWAR VAISHNAVI VASANT	<u>Vaishnavi</u>	<u>Vaishnavi</u>	<u>Vaishnavi</u>	<u>Vaishnavi</u>	<u>Vaishnavi</u>	<u>Vaishnavi</u>	<u>Vaishnavi</u>	<u>Vaishnavi</u>
36	SURYAWANSHI ROHIT SANJAY	<u>Rohit</u>	<u>Rohit</u>	<u>Rohit</u>	<u>Rohit</u>	<u>Rohit</u>	<u>Rohit</u>	<u>Rohit</u>	<u>Rohit</u>
37	YEWARE ANIKET D.	<u>Aniket</u>	<u>Aniket</u>	<u>Aniket</u>	<u>Aniket</u>	<u>Aniket</u>	<u>Aniket</u>	<u>Aniket</u>	<u>Aniket</u>

Sr. No.	Name Of the Students	31/3/23	1/4/23	6/4/23	8/4/23	13/4/23	15/4/23	20/4/23	27/4/23
18	MOHITE AJAY ASHOK	Ajay	Ajay	Ajay	Ajay	Ajay	Ajay	Ajay	Ajay
19	MOHITE SAKSHI MAHADEV	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi
20	MULIK AKASH VISHWAS	Mulik	Mulik	Mulik	Mulik	Mulik	Mulik	Mulik	Mulik
21	NALAWADE OMKAR BHARAT	Omkar	Omkar	Omkar	Omkar	Omkar	Omkar	Omkar	Omkar
22	NALAWADE SANIKA VIJAY	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika
23	NAVADKAR SNEHAL SARJERAO	Snehal	Snehal	Snehal	Snehal	Snehal	Snehal	Snehal	Snehal
24	NIKAM TUSHAR RAJENDRA	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar
25	PATHAN SANA AMJAD	Pathan	Pathan	Pathan	Pathan	Pathan	Pathan	Pathan	Pathan
26	PATIL ABHISHEK ANIL	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek
27	PATIL PRATIK DHONDIRAM	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik
28	PATIL RUTUJA ANANDA	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja
29	PATIL SANKET SANTOSH	S.S.P	S.S.P	S.S.P	S.S.P	S.S.P	S.S.P	S.S.P	S.S.P
30	PATIL SUMIT BHALCHANDRA	Sumit	Sumit	Sumit	Sumit	Sumit	Sumit	Sumit	Sumit
31	PATIL UTKARSHA UTTAM	Utkarsha	Utkarsha	Utkarsha	Utkarsha	Utkarsha	Utkarsha	Utkarsha	Utkarsha
32	PATIL VARSHA RAMESH	Varsha	Varsha	Varsha	Varsha	Varsha	Varsha	Varsha	Varsha
33	PAWAR KETAN SANDIP	Ketan	Ketan	Ketan	Ketan	Ketan	Ketan	Ketan	Ketan
34	PAWAR PRATHMESH SANJAY	Prathmesh	Prathmesh	Prathmesh	Prathmesh	Prathmesh	Prathmesh	Prathmesh	Prathmesh
35	PAWAR VAISHNAVI VASANT	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi
36	SURYAWANSHI ROHIT SANJAY	Rohit	Rohit	Rohit	Rohit	Rohit	Rohit	Rohit	Rohit
37	YEWARE ANIKET D.	Aniket	Aniket	Aniket	Aniket	Aniket	Aniket	Aniket	Aniket

Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burl)
Department Of Chemistry
Short Term Certificate Course
"Preparation of Household Chemicals"
Examination (2022-23)

Subject: - Basic concept of Household Chemicals (Paper – I)

Date - 30/04/2022

Times 12.00 to 01.00 pm

marks: - 50

Que. 1) Select the most correct alternative from the following and rewrite the sentence. (10M)

- i) Which of the following is not the unit of concentration
- a) Normality b) Morality
c) Molality d) Kg
- ii) Which of the following is not a cleaning agent
- a) Soyabean oil b) Dettol
c) Lysol d) Savlon
- iii) Proton Donor Substance are call as
- a) Acid b) Base
c) Both A and B d) none of these
- iv) 15% solution of a substance containsgm in to 100 ml solvent.
- a) 15 b) 20
c) 10.5 d) 11
- v) Gram equivalent wt of solute per litre of solvent is called as
- a) Normality b) Morality
c) Molality d) grams

Que. 2) Answer the following Questions (any four) (20M)

- i) Define the term normality, Morality and Molality.
ii) How will you prepare 100 ml 0.1 N NaOH solution?
iii) What are acids and Bases? Explain in details with example.
iv) Define the term indicator. Give the types.
v) What is mean by titration giving the types of titration?

Que. 3) Answer ant two of the following Questions (20M)

- i) Explain the preparation of White phenyl.
ii) Give the different uses of Household chemicals
iii) Describe the term Equivalent weight and molecular weight with examples

Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burl)
Department Of Chemistry
Short Term Certificate Course
"Preparation of Household Chemicals"
Examination (2022-23)

Subject: - Mechanism Precaution and Cleaning Action of Household Chemicals (Paper – II)
Date - 30/04/2022 **Times 01.00 to 02.00 pm** **marks: - 50**

Que. 1) Select the most correct alternative from the following and rewrite the sentence. (10M)

- i) Carboic acid is also known as
- a) Carboxylic Acid b) Phenol
c) Phenyl d) All of these
- ii) Phenyl is use as a
- a) Stepper b) cleaning agents
c) Disinfectant d) both a and b
- iii) In phenol -OH group is attaching to hydriized carbon atom.
- a) Sp^2 b) Sp^3
c) Sp d) Sp^3d
- iv) Phenol is Hydroxyl compound.
- a) Aliphatic b) Aromatic
c) Cyclic d) none of these
- v) Soaps are alkali metal salt of higher Acids
- a) Alkyl b) Aryl
c) Both a and b d) Fatty

Que. 2) Answer the following Questions (any four) (20M)

- i) Give the uses of phenyl.
ii) Give the procedure used for the preparation of liquid soap?
iii) Give the uses of liquid soap.
iv) How will you prepared phenol from chlorobenzene by DOW-process.
v) Give the three properties of phenol.

Que. 3) Answer ant two of the following Questions (20M)

- i) Discuss the Manufacture of liquid soap.
ii) Give the Methods of synthesis of phenol.
iii) Give the uses of white phenyl and black phenyl.

Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)
 Department Of Chemistry
 Short Term Certificate Course
 "Preparation of Household Chemicals"
 Student Result (2022-23)

Sr. No.	Roll No.	Name of the Students	Marks out of 100
1	1851	AIWALE ARATI SATISH	80
2	1852	ARBUNE RUTUJA VINAYAK	82
3	1853	BAWADEKAR ANIKET SANJAY	68
5	1854	CHAVAN GAYTRI DADASO	91
6	1855	DANGE ROHAN KISAN	62
7	1856	DHOKALE JAYESH HANMANTRAO	58
8	1857	GASTE VINAY SHANKAR	65
9	1858	HOWAL SAKSHI SANAJAY	88
10	1859	JADHAV ABHISHEK BABASO	63
11	1860	JADHAV PAVAN PRALHAD	57
12	1861	JADHAV PRATIKSHA CHANDRAKANT	85
13	1862	JADHAV SHRIDHAR RAJENDRA	63
14	1863	KADAM SUJIT SUBHASH	59
15	1864	KATE SANGRAM JAGANNATH	57
16	1865	LAD VISHWAJEET VIJAY	81
17	1866	LOKHANDE TUSHAR NAGESH	72
18	1867	MASKE SHUBHAM JAGANNATH	82
19	1868	MOHITE AJAY ASHOK	57
20	1869	MOHITE SAKSHI MAHADEV	82
21	1870	MULIK AKASH VISHWAS	63
22	1871	NALAWADE OMKAR BHARAT	80
23	1872	NALAWADE SANIKA VIJAY	88
24	1873	NAVADKAR SNEHAL SARJERAO	82
25	1874	NIKAM TUSHAR RAJENDRA	60
26	1875	PATHAN SANA AMJAD	88
27	1876	PATIL ABHISHEK ANIL	62
28	1877	PATIL PRATIK DHONDIRAM	60
29	1878	PATIL RUTUJA ANANDA	85
30	1879	PATIL SANKET SANTOSH	65
31	1880	PATIL SUMIT BHALCHANDRA	59
32	1881	PATIL UTKARSHA UTTAM	72
33	1882	PATIL VARSHA RAMESH	87
34	1883	PAWAR KETAN SANDIP	84
35	1884	PAWAR PRATHMESH SANJAY	75
36	1885	PAWAR VAISHNAVI VASANT	81
37	1886	YEWARE ANIKET DATTATRAY	60



Rayat Shikshan Sanstha's

Dr. PATANGRAO KADAM MAHAVIDYALAYA RAMANANDNAGAR (BURLI),

TAL: PALUS, DIST: SANGLI - 416 308

Reaccredited with 'A' Grade by NAAC (CGPA-3.02)

Department of Chemistry

"Short Term Certificate Course"

2022-2023

CERTIFICATE

This is to certify that Mr. /Mrs. /Miss. _____ has actively participated in Short Term certificate Course, "PREPARATION OF HOUSEHOLD CHEMICALS" , for B.Sc. Part III students Conducted by Department of Chemistry, Dr. Pantangrao Kadam Mahavidyalaya, Ramanandnagar (BurlI) in the year 2022-2023.

Mr. D. P. Gawari
Course Incharge

Mr. K. S. Kalekar
Head of Department

Dr. T. S. Bhosale
I/C Principal

Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)
Department of Chemistry
Short Term Course
“Preparation of Household Chemicals”

Report (2022-23)

15/05/2023

Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar Department of Chemistry conduct the Short term certificate course “Preparation of household chemicals” every year. The Purpose of this course is to give the marketing skill and make the students self employed. The duration of this course is 3 months. In this year 36 students were admitted for this course.

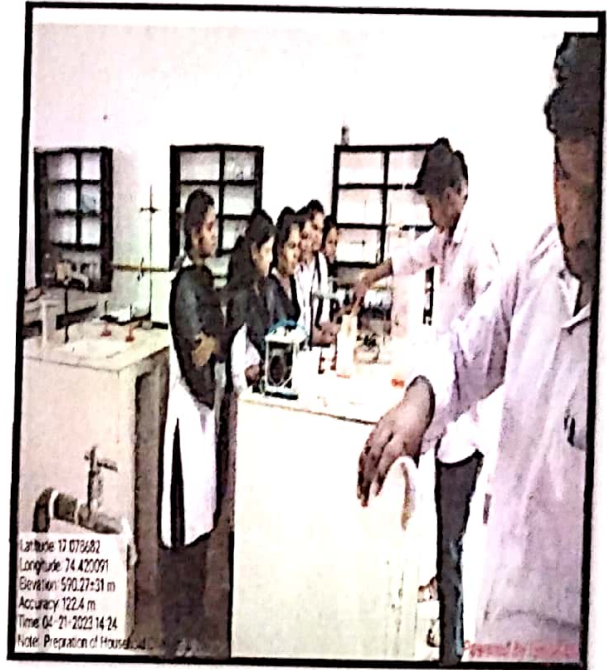
The total marks for this course was 100. In this course there was three papers i) Basic concept of household chemicals ii) Mechanism Precaution and cleaning action of household chemicals and iii) practical paper which includes preparation of Sanitary acids, liquid soap, white phenyl, Black phenyl and market survey of household chemicals. This course is successfully completed by the B.Sc. Part III students. 100 marks exam was conducted in two session paper I and paper II for academic year 2022-23. After successful completion of this course the Certificate would provide to students.

No. Of Beneficiary - 36

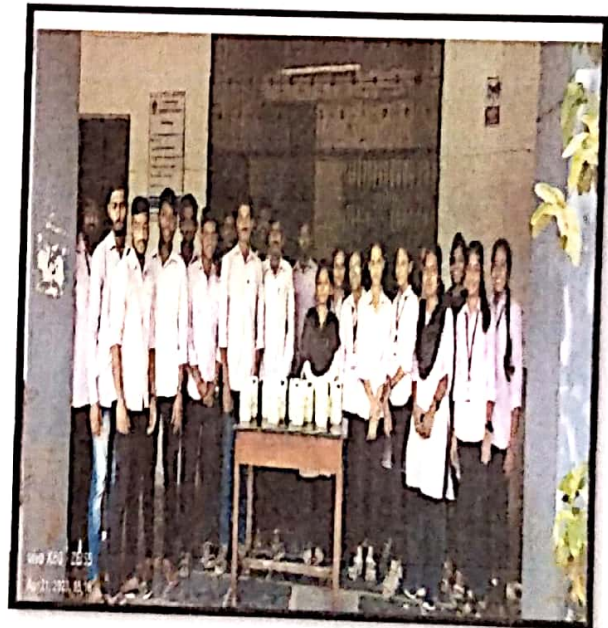
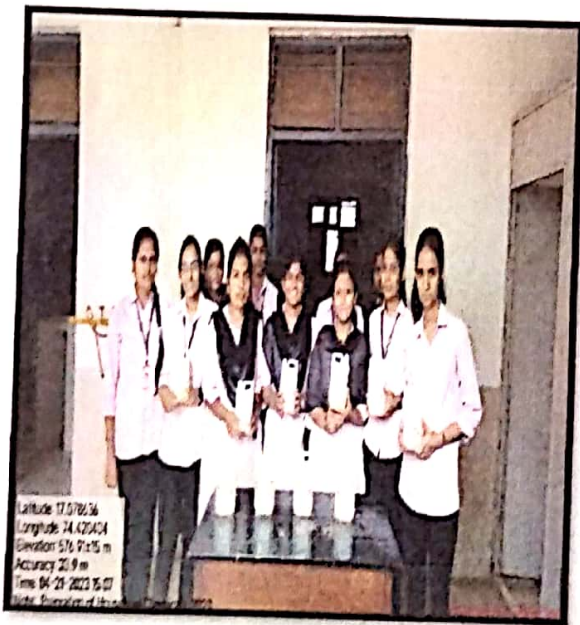
Outcomes

- Students get marketing skill
- Through this course students get self-employed





Preparation of White Phenyl, Black Phenyl and Liquid soap



Dr.
Coordinator

Dr.
Head Dept.
Department of Chemistry
Dr. Patangrao Kadam Mahavidhyalaya
Ramanandnagar (Burla)