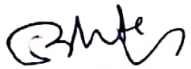


Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)
Department of Chemistry
Short Term Certificate course
Notice (2021-22)

30/11/2021

All the students of B.Sc. part III are hereby informed that the short term certificate course "Preparation of household chemicals" will be started from 02 December 2021 as per your time table.


Course Incharge

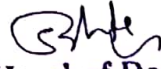

Head of Dept.
Department of Chemistry
Dr. Patangrao Kadam Mahavidhyalaya,
Ramanandnagar (Burli)

Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)
Department Of Chemistry
Short Term Certificate Course
“Preparation of Household Chemicals”
Student list (2021-22)

Sr.no.	Name of the Students
1	Chougule Namrata Sunil
2	Phalle Swarupa Sanjay
3	Jdhav Maithili Satish
5	Koli Maheshwari Madhukar
6	Patil Rutuja Krushnrao
7	Patil Snehal Vikas
8	Sawant Shweta Vasudev
9	Rankhambe Priyanka Shivaji
10	Mulla Reshma Rahiman
11	Manugade Prathmesh Pratap
12	Yadav Praful Sanjay
13	Pawar Swapnil Pramod
14	Sawant Nilesh Sukhadev
15	Gurav Vaishnavi Dadaso
16	Pawar Tejaswini Madhukar
17	Shinde Shweta Dilip
18	Nalawade Akansha Anil
19	Ghadage Shivani Nitesh
20	Kamble Kiran Devanand
21	Lad Pratik Rajendra
22	Vibhute Pratik Balu
23	Varude Guruprasad Vikas
24	Yadav tupe Amarish Santosh
25	Yadav tupe Amruta Santosh
26	Pawar Somnath Baban
27	Patil Mayur Manohar
28	Pawar Suraj Ravindra

29	Sathe Mangal Malhari
30	Khilare Rutuja Prakash
31	Deshmukh Sanjivani Bhaskar
32	Patil Saurabh Dhairysheel
33	Chavan Kabir Maruti
34	Kumbhar Abhishek Arjun
35	Kshirsagar Prathamesh Prashant
36	Lad Satyajeet Hanumant
37	Hande Swapnil Subhash
38	Pawar Omkar Prakash
39	Pathan Mujib Jamir
40	Deshmukh Sujit Ramchandra
41	Marale Ritesh Sanjay
42	Patil Sujit Ramesh
43	Mulani Soheb Dastgir
44	Salunkhe Rutuja Pandurang
45	Varane Shreeraj Santosh
46	Rade Sushama Dinkar
47	Jadhav Kajal Sunil
48	Shirtekar Rushikesh Vishnu
49	Arbune Tejas Ravindra
50	Barbole Tejas Santosh


Coordinator


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

PREPARATION OF HOUSEHOLD CHEMICALS

SHIVAJI UNIVERSITY KOLHAPUR

❖ PREPARATION OF HOUSEHOLD CHEMICALS Syllabus

Paper- I :- Basic concept of household chemicals [30 Marks]

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 Acids –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 concepts.
- 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
- 2.10 Percentage composition by weight.

Unit III: - Titration

- 3.1 General introduction
- 3.2 Types of titration
- 3.3 Indicators
- 3.4 Theory and types.

WPTO

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Department of Chemistry
Dr. Patangrao Kadam Mahavidhyalaya
Ramanandnagar (Surli)

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 (Burl)
SHORT TERM COURSE
"PREPARATION OF HOUSEHOLD CHEMICALS"

Time Table (2021-22)

Time 10.00 to 11.00 am

Sr. No.	Date	Name of the Teacher	Sr. No.	Date	Name of the Teacher
1	02.12.2021	Mr. D. P. Gawari	13	14.01.2022	Mr. Y. R. Sable
2	03.12.2021	Mr. Y. R. Sable	14	20.01.2022	Dr. S. S. Jadhav
3	09.12.2021	Mr. U. S. Shelke	15	21.01.2022	Mr. V. R. Bhosale
4	16.12.2021	Mr. D. A. Sasane	16	03.03.2022	Mr. D. P. Gawari
5	17.12.2021	Mr. V. R. Bhosale	17	04.03.2022	Mr. U. S. Shelke
6	23.12.2021	Mr. Y. R. Sable	18	10.03.2022	Mr. D. A. Sasane
7	24.12.2021	Dr. S. S. Jadhav	19	11.03.2022	Mr. V. R. Bhosale
8	30.12.2021	Mr. D. A. Sasane	20	17.03.2022	Mr. Y. R. Sable
9	31.12.2021	Mr. D. P. Gawari	21	24.03.2022	Dr. S.S. Jadhav
10	06.01.2022	Mr. U. S. Shelke	22	25.03.2022	Mr. D. P. Gawari
11	07.01.2022	Mr. D. P. Gawari	23	31.03.2022	Mr. U. S. Shelke
12	13.01.2022	Mr. V. R. Bhosale	24	01.04.2022	Mr. D. A. Sasane

Practical

Time: - 02.00 to 05.00 pm

Sr. No.	Date	Name of the Teacher	Sr. No.	Date	Name of the Teacher
1	10.03.2022	Mr. D. P. Gawari	5	25.03.2022	Mr. Y. R. Sable
2	11.03.2022	Mr. Y. R. Sable	6	31.03.2022	Dr. S. S. Jadhav
3	17.03.2022	Mr. U. S. Shelke	7	01.04.2022	Mr. V. R. Bhosale
4	24.03.2022	Mr. D. A. Sasane	8	08.04.2022	Mr. D. P. Gawari

Dr.
Coordinator

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

Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)
Department of Chemistry
Short Term Certificate course
“Preparation of Household Chemicals”
(2021-22)

Outcomes:-

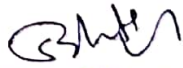
- To make availability of self employment.
- To build confidence for doing business.
- To Increase skills required for business.
- To develop Knowledge of domestic chemicals.
- To develop Skill of subject knowledge on applied basis.

Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)
Department Of Chemistry
Short Term Certificate Course
"Preparation of Household Chemicals"
Student Attendance (2021-22)

Sr.No.	Name of the Students	Theory										
		02/12/21	03/12	09/12	16/12	17/12	28/12	24/12	30/12	31/12	05/01/22	
1	Chougule Namrata Sunil	P	P	P	P	P	P	P	P	P	P	
2	Phalle Swarupa Sanjay	P	P	P	P	P	P	P	P	P	P	
3	Jdhav Maithili Satish	P	P	P	P	P	P	P	P	P	P	
5	Koli Maheshwari Madhukar	P	P	P	P	P	P	P	A	P	P	
6	Patil Rutuja Krushnrao	P	P	P	P	P	P	P	P	P	P	
7	Patil Snehal Vikas	P	P	A	P	P	P	P	P	P	P	
8	Sawant Shweta Vasudev	P	P	P	P	P	P	P	P	P	P	
9	Rankhambe Priyanka Shivaji	P	P	P	P	P	P	P	P	P	P	
10	Mulla Reshma Rahiman	P	A	P	P	P	P	P	A	P	P	
11	Manugade Prathmesh Pratap	P	P	P	P	P	P	P	P	P	A	
12	Yadav Praful Sanjay	A	P	P	P	P	P	P	P	P	P	
13	Pawar Swapnil Pramod	P	P	P	P	P	P	P	P	P	P	
14	Sawant Nilesh Sukhadev	P	P	P	A	P	P	P	P	P	P	
15	Gurav Vaishnavi Dadaso	P	P	P	P	P	P	P	P	P	P	
16	Pawar Tejaswini Madhukar	P	P	P	P	P	P	P	P	P	P	
17	Shinde Shweta Dilip	P	P	P	P	P	P	P	P	P	P	
18	Nalawade Akansha Anil	P	P	P	P	A	P	P	P	P	P	
19	Ghadage Shivani Nitesh	P	P	A	P	P	P	P	P	P	P	
20	Kamble Kiran Devanand	P	P	P	P	P	P	A	P	P	P	
21	Lad Pratik Rajendra	P	P	P	P	P	P	P	P	P	P	
22	Vibhute Pratik Balu	P	P	P	P	A	P	P	P	P	P	
23	Varude Guruprasad Vikas	A	P	A	P	P	P	P	P	P	P	
24	Yadav tupe Amarish Santosh	P	P	P	P	P	P	P	P	P	P	
25	Yadav tupe Amruta Santosh	P	P	A	P	P	P	P	P	P	P	
26	Pawar Somnath Baban	A	P	P	P	P	P	P	P	P	P	
27	Patil Mayur Manohar	P	P	P	P	P	P	P	P	P	P	

28	Pawar Suraj Ravindra	P	P	P	P	P	P	P	P	P	P
29	Sathe Mangal Malhari	P	P	P	P	P	P	P	P	P	P
30	Khilare Rutuja Prakash	P	P	P	P	P	P	P	P	P	P
31	Deshmukh Sanjivani Bhaskar	P	A	P	P	P	P	P	P	P	P
32	Patil Saurabh Dhairysheel	P	P	P	P	P	P	P	P	P	P
33	Chavan Kabir Maruti	P	P	P	P	P	P	P	P	P	P
34	Kumbhar Abhishek Arjun	P	P	A	P	P	P	P	P	P	P
35	Kshirsagar Prathamesh Prashant	P	P	P	P	P	P	P	P	P	P
36	Lad Satyajee Hanumant	P	P	P	A	P	P	P	P	P	A
37	Hande Swapnil Subhash	P	P	P	P	P	P	P	P	P	P
38	Pawar Omkar Prakash	P	P	P	P	P	A	P	P	P	A
39	Pathan Mujib Jamir	P	P	P	P	P	P	P	P	P	A
40	Deshmukh Sujit Ramchandra	P	P	P	P	P	A	P	P	P	A
41	Marale Ritesh Sanjay	P	P	P	P	P	P	P	P	P	P
42	Patil Sujit Ramesh	P	P	P	P	P	P	P	P	P	P
43	Mulani Soheb Dastgir	P	P	P	P	P	P	A	P	P	P
44	Salunkhe Rutuja Pandurang	P	P	P	P	P	P	P	P	P	P
45	Varane Shreeraj Santosh	P	P	P	P	A	P	P	P	P	P
46	Rade Sushama Dinkar	P	P	P	P	P	P	P	P	P	P
47	Jadhav Kajal Sunil	P	P	P	P	P	P	P	P	P	P
48	Shirtekar Rushikesh Vishnu	P	P	P	P	P	P	P	P	P	P
49	Arbune Tejas Ravindra	P	P	P	P	P	P	P	P	P	P
50	Barbole Tejas Santosh	P	P	P	P	P	P	P	P	P	P


Coordinator

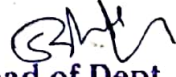

Head of Dept.
Department of Chemistry
Dr. Patangrao Kadam Mahavidyalaya,
Ramanandnagar (Burl)

Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)
Department Of Chemistry
Short Term Certificate Course
"Preparation of Household Chemicals"
Student Attendance (2021-22)

Sr.No.	Name of the Students	Theory									
		07/01	13/01	14/01	20/01	21/01	30/01	04/02	10/02	11/02	17/02
1	Chougule Namrata Sunil	P	P	P	P	P	P	P	P	P	P
2	Phalle Swarupa Sanjay	P	P	P	P	P	P	P	P	P	P
3	Jdhav Maithili Satish	P	P	P	P	A	P	P	P	P	P
5	Koli Maheshwari Madhukar	P	P	P	P	P	P	P	P	P	P
6	Patil Rutuja Krushnrao	P	P	P	P	P	P	P	P	P	P
7	Patil Snehal Vikas	P	P	P	P	P	P	P	P	P	P
8	Sawant Shweta Vasudev	P	P	P	P	P	P	P	P	P	P
9	Rankhambe Priyanka Shivaji	P	P	P	P	P	P	P	P	P	P
10	Mulla Reshma Rahiman	P	P	P	P	P	P	P	P	P	P
11	Manugade Prathmesh Pratap	P	P	P	P	P	P	P	P	P	P
12	Yadav Praful Sanjay	P	P	P	A	P	P	P	P	P	P
13	Pawar Swapnil Pramod	P	P	P	P	P	P	P	P	P	P
14	Sawant Nilesh Sukhadev	P	P	P	P	P	P	P	P	P	P
15	Gurav Vaishnavi Dadaso	P	P	P	P	P	P	P	P	P	P
16	Pawar Tejaswini Madhukar	P	P	P	P	P	P	P	P	P	P
17	Shinde Shweta Dilip	P	P	P	P	P	P	P	P	P	P
18	Nalawade Akansha Anil	P	P	P	P	P	P	P	P	P	P
19	Ghadage Shivani Nitesh	P	P	P	P	P	P	P	P	P	P
20	Kamble Kiran Devanand	P	P	P	P	P	A	P	P	P	A
21	Lad Pratik Rajendra	P	P	P	P	P	P	P	P	P	P
22	Vibhute Pratik Balu	P	P	P	P	P	P	P	P	P	P
23	Varude Guruprasad Vikas	P	P	A	P	P	P	P	P	P	P
24	Yadav tupe Amarish Santosh	P	P	P	P	P	P	A	P	P	P
25	Yadav tupe Amruta Santosh	P	P	P	P	P	P	P	P	P	P
26	Pawar Somnath Baban	P	P	P	P	P	P	P	P	A	P
27	Patil Mayur Manohar	P	P	P	P	P	P	P	P	P	P

28	Pawar Suraj Ravindra	P	P	P	P	P	P	P	P	P	P
29	Sathe Mangal Malhari	P	P	P	P	P	P	P	P	P	P
30	Khilare Rutuja Prakash	P	P	P	P	P	P	P	P	A	P
31	Deshmukh Sanjivani Bhaskar	P	P	P	P	P	P	P	P	P	P
32	Patil Saurabh Dhairysheel	P	P	P	P	P	P	P	P	P	P
33	Chavan Kabir Maruti	A	P	P	P	P	P	P	P	P	P
34	Kumbhar Abhishek Arjun	P	P	P	P	P	P	P	A	P	P
35	Kshirsagar Prathamesh Prashant	P	P	P	P	P	P	P	P	P	P
36	Lad Satyajee Hanumant	P	P	P	P	P	P	P	P	P	P
37	Hande Swapnil Subhash	P	P	P	P	P	P	P	P	P	P
38	Pawar Omkar Prakash	P	P	P	P	P	P	P	P	P	P
39	Pathan Mujib Jamir	P	P	P	P	P	P	A	P	P	P
40	Deshmukh Sujit Ramchandra	P	P	P	P	P	P	P	P	P	P
41	Marale Ritesh Sanjay	P	P	P	P	P	P	P	P	P	P
42	Patil Sujit Ramesh	P	P	P	P	P	P	P	P	P	P
43	Mulani Soheb Dastgir	P	P	P	P	P	P	A	P	P	P
44	Salunkhe Rutuja Pandurang	P	P	A	A	P	P	P	A	P	P
45	Varane Shreeraj Santosh	P	P	P	P	P	P	P	P	P	P
46	Rade Sushama Dinkar	A	P	A	P	P	P	P	P	P	P
47	Jadhav Kajal Sunil	P	P	P	P	P	P	P	P	P	P
48	Shirtekar Rushikesh Vishnu	P	P	A	P	P	P	P	P	P	P
49	Arbune Tejas Ravindra	P	P	P	P	P	P	P	P	P	P
50	Barbole Tejas Santosh	P	P	P	P	P	P	P	P	P	P


Coordinator


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

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Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)
Department Of Chemistry
Short Term Certificate Course
"Preparation of Household Chemicals"
Student Attendance (2021-22)

Theory

Sr.No.	Name of the Students	24/03	25/03	31/03	30/04						
1	Chougule Namrata Sunil	P	P	P	P						
2	Phalle Swarupa Sanjay	P	P	P	P						
3	Jdhav Maithili Satish	P	P	P	P						
5	Koli Maheshwari Madhukar	P	P	P	P						
6	Patil Rutuja Krushnrao	P	P	P	P						
7	Patil Snehal Vikas	P	P	P	P						
8	Sawant Shweta Vasudev	P	P	P	P						
9	Rankhambe Priyanka Shivaji	P	P	P	P						
10	Mulla Reshma Rahiman	P	P	P	P						
11	Manugade Prathmesh Pratap	P	P	P	P						
12	Yadav Praful Sanjay	P	P	P	P						
13	Pawar Swapnil Pramod	P	P	P	P						
14	Sawant Nilesh Sukhadev	P	P	P	P						
15	Gurav Vaishnavi Dadaso	P	P	P	P						
16	Pawar Tejaswini Madhukar	P	P	P	P						
17	Shinde Shweta Dilip	P	P	P	P						
18	Nalawade Akansha Anil	P	P	P	P						
19	Ghadage Shivani Nitesh	P	P	P	P						
20	Kamble Kiran Devanand	P	P	P	P						
21	Lad Pratik Rajendra	P	P	P	P						
22	Vibhute Pratik Balu	P	P	P	P						
23	Varude Guruprasad Vikas	P	P	P	P						
24	Yadav tupe Amarish Santosh	P	P	P	P						
25	Yadav tupe Amruta Santosh	P	P	P	P						
26	Pawar Somnath Baban	P	P	P	P						
27	Patil Mayur Manohar	P	P	P	P						

28	Pawar Suraj Ravindra	P	P	P	P									
29	Sathe Mangal Malhari	P	P	P	P									
30	Khilare Rutuja Prakash	P	P	P	P									
31	Deshmukh Sanjivani Bhaskar	P	P	P	P									
32	Patil Saurabh Dhairysheel	P	P	P	P									
33	Chavan Kabir Maruti	A	P	P	P									
34	Kumbhar Abhishek Arjun	P	P	P	P									
35	Kshirsagar Prathamesh Prashant	P	P	P	P									
36	Lad Satyajeet Hanumant	P	P	P	P									
37	Hande Swapnil Subhash	P	P	P	P									
38	Pawar Omkar Prakash	P	P	A	P									
39	Pathan Mujib Jamir	P	P	P	P									
40	Deshmukh Sujit Ramchandra	P	P	P	P									
41	Marale Ritesh Sanjay	P	P	P	P									
42	Patil Sujit Ramesh	P	P	P	P									
43	Mulani Soheb Dastgir	P	P	P	P									
44	Salunkhe Rutuja Pandurang	P	P	P	P									
45	Varane Shreeraj Santosh	P	P	P	P									
46	Rade Sushama Dinkar	A	P	P	P									
47	Jadhav Kajal Sunil	P	A	P	P									
48	Shirtekar Rushikesh Vishnu	P	P	P	P									
49	Arbune Tejas Ravindra	P	P	P	P									
50	Barbole Tejas Santosh	P	P	P	P									


Coordinator


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

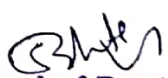
Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)
Department Of Chemistry
Short Term Certificate Course
"Preparation of Household Chemicals"
Student Attendance (2021-22)

Practical

Sr.No.	Name of the Students	10/09	11/09	17/09	24/09	25/09	31/09	01/10	08/10		
1	Chougule Namrata Sunil	P	P	P	P	P	P	P	P		
2	Phalle Swarupa Sanjay	P	P	P	P	P	P	P	P		
3	Jdhav Maithili Satish	P	P	P	P	P	P	P	P		
5	Koli Maheshwari Madhukar	P	P	P	P	P	P	P	P		
6	Patil Rutuja Krushnrao	P	P	P	P	P	P	P	P		
7	Patil Snehal Vikas	P	P	P	P	P	P	P	P		
8	Sawant Shweta Vasudev	P	P	P	P	P	P	P	P		
9	Rankhambe Priyanka Shivaji	P	P	P	P	P	P	P	P		
10	Mulla Reshma Rahiman	P	P	P	P	P	P	P	P		
11	Manugade Prathmesh Pratap	P	P	P	P	P	P	P	A		
12	Yadav Praful Sanjay	P	P	P	P	P	P	P	P		
13	Pawar Swapnil Pramod	P	P	P	A	P	P	P	P		
14	Sawant Nilesh Sukhadev	P	P	P	P	P	P	P	P		
15	Gurav Vaishnavi Dadaso	P	P	P	P	P	P	P	P		
16	Pawar Tejaswini Madhukar	P	P	P	A	P	P	P	P		
17	Shinde Shweta Dilip	P	P	P	P	P	P	P	P		
18	Nalawade Akansha Anil	P	P	P	P	P	P	P	P		
19	Ghadage Shivani Nitesh	A	P	P	P	P	P	P	P		
20	Kamble Kiran Devanand	P	P	P	P	P	P	P	P		
21	Lad Pratik Rajendra	P	P	P	A	P	P	P	P		
22	Vibhute Pratik Balu	P	P	P	P	P	P	P	P		
23	Varude Guruprasad Vikas	A	P	P	P	P	P	P	P		
24	Yadav tupe Amarish Santosh	P	P	P	P	P	P	P	P		
25	Yadav tupe Amruta Santosh	P	P	P	P	P	P	P	P		
26	Pawar Somnath Baban	P	P	P	P	P	P	P	P		
27	Patil Mayur Manohar	P	P	P	P	P	P	P	A		

28	Pawar Suraj Ravindra	P	P	P	P	P	P	P		
29	Sathe Mangal Malhari	P	P	A	P	P	P	P		
30	Khilare Rutuja Prakash	P	P	P	P	P	P	P		
31	Deshmukh Sanjivani Bhaskar	P	P	P	P	P	P	P		
32	Patil Saurabh Dhairysheel	P	P	P	P	P	P	P		
33	Chavan Kabir Maruti	A	P	P	P	P	P	P		
34	Kumbhar Abhishek Arjun	A	P	P	P	P	P	P		
35	Kshirsagar Prathamesh Prashant	P	P	P	P	P	P	P		
36	Lad Satyajeet Hanumant	P	P	P	P	P	P	P		
37	Hande Swapnil Subhash	P	P	P	P	P	P	P		
38	Pawar Omkar Prakash	P	P	P	P	P	P	P		
39	Pathan Mujib Jamir	P	P	P	P	P	P	P		
40	Deshmukh Sujit Ramchandra	P	P	P	P	P	P	P		
41	Marale Ritesh Sanjay	P	P	P	P	P	P	A	P	
42	Patil Sujit Ramesh	P	P	P	P	P	P	P		
43	Mulani Soheb Dastgir	P	P	P	P	P	P	P		
44	Salunkhe Rutuja Pandurang	P	P	P	P	P	P	P		
45	Varane Shreeraj Santosh	P	P	P	P	P	P	P		
46	Rade Sushama Dinkar	P	P	P	P	P	P	P		
47	Jadhav Kajal Sunil	P	P	P	P	P	P	P		
48	Shirtekar Rushikesh Vishnu	P	P	P	P	P	P	P		
49	Arbune Tejas Ravindra	P	P	P	P	P	P	P		
50	Barbole Tejas Santosh	P	P	P	P	P	P	A	P	


Coordinator


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

Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)
Department Of Chemistry
Short Term Certificate Course
"Preparation of Household Chemicals"
Examination (2021-22)

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

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Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burl)
Department Of Chemistry
Short Term Certificate Course
"Preparation of Household Chemicals"
Examination (2021-22)

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

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

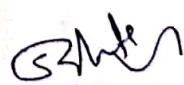
- i) Give the uses of white phenyl and black phenyl.
ii) Give the Methods of synthesis of phenol.
iii) Discuss the Manufacture of liquid soap.

Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)
Department Of Chemistry
Short Term Certificate Course
“Preparation of Household Chemicals”
Student Mark list (2021-22)

Sr.no.	Name of the Students	Marks out of 100
1	Chougule Namrata Sunil	66
2	Phalle Swarupa Sanjay	68
3	Jdhav Maithili Satish	61
5	Koli Maheshwari Madhukar	62
6	Patil Rutuja Krushnrao	65
7	Patil Snehal Vikas	58
8	Sawant Shweta Vasudev	61
9	Rankhambe Priyanka Shivaji	64
10	Mulla Reshma Rahiman	58
11	Manugade Prathmesh Pratap	42
12	Yadav Praful Sanjay	55
13	Pawar Swapnil Pramod	53
14	Sawant Nilesh Sukhadev	42
15	Gurav Vaishnavi Dadaso	60
16	Pawar Tejaswini Madhukar	43
17	Shinde Shweta Dilip	63
18	Nalawade Akansha Anil	67
19	Ghadage Shivani Nitesh	61
20	Kamble Kiran Devanand	57
21	Lad Pratik Rajendra	43
22	Vibhute Pratik Balu	44
23	Varude Guruprasad Vikas	45
24	Yadav tupe Amarish Santosh	42
25	Yadav tupe Amruta Santosh	48
26	Pawar Somnath Baban	61
27	Patil Mayur Manohar	63

28	Pawar Suraj Ravindra	62
29	Sathe Mangal Malhari	65
30	Khilare Rutuja Prakash	60
31	Deshmukh Sanjivani Bhaskar	59
32	Patil Saurabh Dhairysheel	57
33	Chavan Kabir Maruti	53
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35	Kshirsagar Prathamesh Prashant	44
36	Lad Satyajeet Hanumant	52
37	Hande Swapnil Subhash	57
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40	Deshmukh Sujit Ramchandra	59
41	Marale Ritesh Sanjay	57
42	Patil Sujit Ramesh	56
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50	Barbole Tejas Santosh	51


Coordinator


Head of Dept.
Department of Chemistry
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Ramanandnagar (Burla)



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

"Preparation of Household Chemicals"

2021-2022

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 (Burl) in the year 2021-2022.

Mr. D. P. Gawari
Course Incharge

Prof. (Dr.) P. B. Piste
Head of Department

Dr. L. D. Kadam
Principal

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

Report (2021-22)

24/05/2022

The 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 them self employed. The duration of this course is 3 months. In this year 50 students were admitted for this course.

The total marks for this course was 100. In this course there was three paper i) Basic concept of household chemicals ii) Mechanism Precaution and cleaning action of household chemicals iii) practical paper which includes preparation of Sanitary acids, liquid soap, white phenyl, dark 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 2021-22. After successful completion of this course the Certificate would provide to students.

No. Of Beneficiary - 50

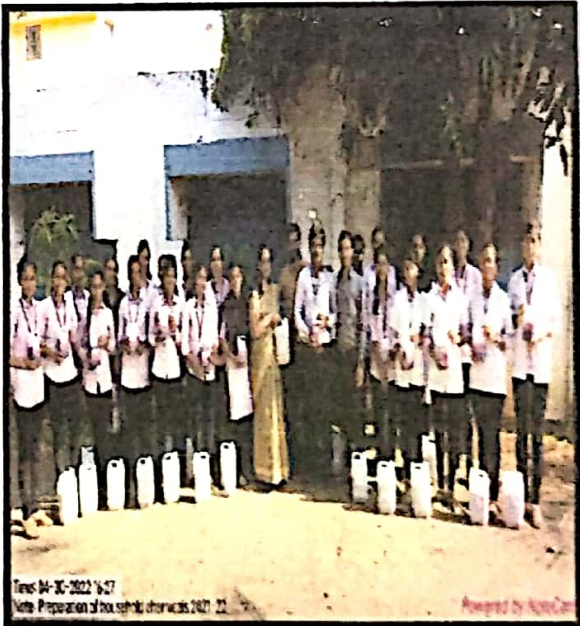
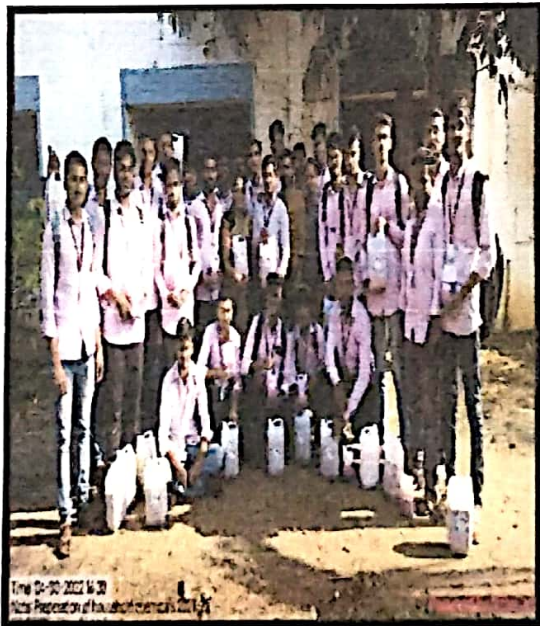
Outcomes

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





Preparation of White Phenyl, Black Phenyl and Liquid soap



[Signature]
Head of Dept.
Department of Chemistry
Dr. Patangrao Kadam Mahavidhyalaya,
Ramanandnagar (Burli)

[Signature]
Principal,
Dr. Patangrao Kadam Mahavidhyalaya,
Ramanandnagar (Burli)
Tal. Palus, Dist. Sangli.