


Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)
Department of Chemistry
(2024-25)
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 6th January 2025 as per the given time table. Its compulsory to all B.Sc. Part III students.

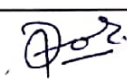

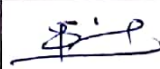
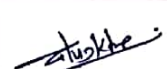

Coordinator


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

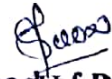
Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)
Department of Chemistry
Short Term Course 'Preparation of Household Chemicals'
2024-25
Constitution of committee

During the academic year 2024-25 the department of Chemistry has decided to run short term course on 'Preparation of Household chemicals' for B.Sc. part III students. The board of studies for above said course is tabulated as below;

BORD OF STUDIES

Sr. No.	Name of the Member	Designation	Signature
1	Mr. D.P. Gawari	Chairman	
2	Mr. D. A. Sasane	Member	
3	Mr. Y. R. Sable	Member	
4	Mr. S. S. Salunkhe	Member	


Coordinator


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

Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)

Department of Chemistry

Short Term Course "Preparation of Household Chemicals"

(2024-25)

Outcomes: -

- To develop the skill of subject knowledge on applied basis and to Make availability of self-employment.
- To enable students to understand the basic principles of household chemical preparation, including safety protocols, ingredients selections.
- Safety Awareness: Students learn about the potential hazards of household chemicals and how to handle them safely to prevent accidents and injuries.
- Understanding of Chemical Properties: Participants gain knowledge about the properties of different household chemicals, including their uses, interactions, and safety considerations.
- Proper Mixing and Dilution Techniques: Students learn how to properly mix and dilute household chemicals to achieve desired cleaning, disinfecting, or pest control outcomes without compromising safety.
- Environmental Awareness: The course may emphasize the importance of environmentally friendly practices, such as proper disposal of chemicals and choosing eco-friendly alternatives.
- Practical Skills: Participants develop practical skills in preparing and using household chemicals effectively, including selecting appropriate products for specific tasks and following safety protocols.
- Risk Management: Students learn how to identify and mitigate risks associated with household chemical use, including recognizing warning labels, understanding Material Safety Data Sheets (MSDS), and implementing proper ventilation measures.


Coordinator


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

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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

Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)


Department of Chemistry

Short Term Course "Preparation of Household Chemicals"

Student List (2024-25)

Sr. No.	Roll No.	Name of the student
1	1851	ARBUNE YASHVARDHAN VIJAY
2	1852	BHILAR SAURABH SHARAD
3	1853	BHOSALE PRATHAMESH LAXMAN
4	1854	CHAVAN ASHISH RAJESH
5	1855	CHAVAN KRANTI JOTIRAM
6	1856	CHAVAN UDAY HANMANT
7	1857	GAIKWAD AVDHUT PRADIP
8	1858	HAWALDAR NITIN SANJAY
9	1859	INAMDAR TASMIYA MUSTAFA
10	1860	KHOT AMRAPALI JAYAPAL
11	1861	MALI HARSH BAPURAO
12	1862	MANE SANKET SARJERAO
13	1863	MANGAVE DEVGONDA CHANDRAKANT
14	1864	MORE AVISHKAR MADHUKAR
15	1865	NALAWADE OMKAR BHARAT
16	1866	PATIL ABHISHEK PANDITRAO
17	1867	PATIL HARSHAD HOUSERAO
18	1868	PATIL PRANAV KRISHNAJI
19	1869	PATIL VISHAL KRISHNARAO
20	1870	PAWAR PRASAD SHIVAJI
21	1871	SHINDE DIKSHA DIPAK
22	1872	SURYAVANSHI SUMIT GANPATI
23	1873	THORAT SARANG BHAUSAHEB
24	1874	THORAT VISHWAJEET VIKAS
25	1875	TIRMARE MANDAR MAHENDRA


Coordinator


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Department of Chemistry
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Ramanandnagar (Burli)

Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya Ramanandnagar, (Burli)
 Department of Chemistry
Short term Course 'Preparation of Household Chemicals'
Time Table (2024-25)

B.Sc. III Chemistry - Theory

Time- 09:00 to 10:00 pm

Sr. No.	Day& Date	Name of the Lecturer	Sr. No.	Day& Date	Name of the Lecturer
1	06.01.2025	Mr. Y. R. Sable	13	17.02.2025	Mr. Y. R. Sable
2	07.01.2025	Mr. D. P. Gawari	14	18.02.2025	Mr. D. P. Gawari
3	13.01.2025	Mr. D.A. Sasane	15	24.02.2025	Mr. D.A. Sasane
4	14.01.2025	Mr. S. S. Salunkhe	16	25.02.2025	Mrs. V. A. Pawar
5	20.01.2025	Mr. Y. R. Sable	17	03.03.2025	Mr. Y. R. Sable
6	21.01.2025	Mr. D. P. Gawari	18	04.03.2025	Mr. D. P. Gawari
7	27.01.2025	Mr. D.A. Sasane	19	10.03.2025	Mrs. S. S. Shinde
8	28.01.2025	Mr. S.S. Salunkhe	20	11.03.2025	Mrs. S. A. Magdum
9	03.02.2025	Mr. Y. R. Sable	21	17.03.2025	Mr. Y. R. Sable
10	04.02.2025	Mr. D. P. Gawari	22	18.03.2025	Mr. D. P. Gawari
11	10.02.2025	Mrs. S. S. Shinde	23	24.03.2025	Mr. D.A. Sasane
12	11.02.2025	Mrs. S. A. Magdum	24	25.03.2025	Mrs. V. A. Pawar

B.Sc. III Chemistry - Practical

Time- 01:00 to 02:00 pm

Sr. No.	Day& Date	Name of the Lecturer	Sr. No.	Day& Date	Name of the Lecturer
1	06.01.2025	Mr. Y. R. Sable	5	17.02.2025	Mr. Y. R. Sable
2	07.01.2025	Mr. D. P. Gawari	6	11.03.2025	Mr. D. P. Gawari
3	13.01.2025	Mr. D.A. Sasane	7	24.03.2025	Mr. D.A. Sasane
4	14.01.2025	Mr. S. S. Salunkhe	8	25.03.2025	Mrs. V. A. Pawar

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

Rajal Shiksha Sanstha's
Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)
 Department of Chemistry
 Short Term Course "Preparation of Household Chemicals"
 Student Presents (2024-25)


Sr. No.	Name of the student	6/1/2025	7/1/25	13/1/25	14/1/25	20/1/23	21/1/23	27/1/25	28/1/25
1	ARBUNE YASHVARDHAN VIJAY	<u>Arbune</u>	<u>Arbune</u>	<u>Arbune</u>	<u>Arbune</u>	<u>Arbune</u>	<u>Arbune</u>	<u>Arbune</u>	<u>Arbune</u>
2	BHILAR SAURABH SHARAD	<u>Saahilao</u>	<u>Saahilao</u>	<u>Saahilao</u>	<u>Saahilao</u>	<u>Saahilao</u>	<u>Saahilao</u>	<u>Saahilao</u>	<u>Saahilao</u>
3	BHOSALE PRATHAMESH LAXMAN	<u>Bhosal</u>	<u>Bhosal</u>	<u>Bhosal</u>	<u>Bhosal</u>	<u>Bhosal</u>	<u>Bhosal</u>	<u>Bhosal</u>	<u>Bhosal</u>
4	CHAVAN ASHISH RAJESH								
5	CHAVAN KRANTI JOTIRAM	<u>Chavan</u>	<u>Chavan</u>	<u>Chavan</u>	<u>Chavan</u>	<u>Chavan</u>	<u>Chavan</u>	<u>Chavan</u>	<u>Chavan</u>
6	CHAVAN UDAY HANMANT	<u>Chav</u>	<u>Chav</u>	<u>Chav</u>	<u>Chav</u>	<u>Chav</u>	<u>Chav</u>	<u>Chav</u>	<u>Chav</u>
7	GAIKWAD AVDHUT PRADIP	<u>Gaikwad</u>	<u>Gaikwad</u>	<u>Gaikwad</u>	<u>Gaikwad</u>	<u>Gaikwad</u>	<u>Gaikwad</u>	<u>Gaikwad</u>	<u>Gaikwad</u>
8	HAWALDAR NITIN SANJAY	<u>Nit</u>	<u>Nit</u>	<u>Nit</u>	<u>Nit</u>	<u>Nit</u>	<u>Nit</u>	<u>Nit</u>	<u>Nit</u>
9	INAMDAR TASMIYA MUSTAFA	<u>Inamdar</u>	<u>Inamdar</u>	<u>Inamdar</u>	<u>Inamdar</u>	<u>Inamdar</u>	<u>Inamdar</u>	<u>Inamdar</u>	<u>Inamdar</u>
10	KHOT AMRAPALI JAYAPAL	<u>Akhat</u>	<u>Akhat</u>	<u>Akhat</u>	<u>Akhat</u>	<u>Akhat</u>	<u>Akhat</u>	<u>Akhat</u>	<u>Akhat</u>
11	MALI HARSH BAPURAO	<u>Mal</u>	<u>Mal</u>	<u>Mal</u>	<u>Mal</u>	<u>Mal</u>	<u>Mal</u>	<u>Mal</u>	<u>Mal</u>
12	MANE SANKET SARJERAO	<u>Mane</u>	<u>Mane</u>	<u>Mane</u>	<u>Mane</u>	<u>Mane</u>	<u>Mane</u>	<u>Mane</u>	<u>Mane</u>
13	MANGAVE DEVGONDA CHANDRAKANT	<u>Do</u>	<u>Do</u>	<u>Do</u>	<u>Do</u>	<u>Do</u>	<u>Do</u>	<u>Do</u>	<u>Do</u>
14	MORE AVISHKAR MADHUKAR	<u>More</u>	<u>More</u>	<u>More</u>	<u>More</u>	<u>More</u>	<u>More</u>	<u>More</u>	<u>More</u>
15	NALAWADE OMAR BHARAT								
16	PATIL ABHISHEK PANDITRAO	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>

17	PATIL HARSHAD HOUSERAO	H.H.Patil	H.H.Patil	H.H.Patil	H.H.Patil	H.H.Patil	H.H.Patil	H.H.Patil	H.H.Patil
18	PATIL PRANAV KRISHNAJI	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
19	PATIL VISHAL KRISHNARAO	V.Patil	V.Patil	V.Patil	V.Patil	V.Patil	V.Patil	V.Patil	V.Patil
20	PAWAR PRASAD SHIVAJI								
21	SHINDE DIKSHA DIPAK	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde
22	SURYAVANSHI SUMIT GANPATI	Suryit	Suryit	Suryit	Suryit	Suryit	Suryit	Suryit	Suryit
23	THORAT SARANG BHAUSAHEB	Thorat	Thorat	Thorat	Thorat	Thorat	Thorat	Thorat	Thorat
24	THORAT VISHWAJEET VIKAS	T	T	T	T	T	T	T	T
25	TIRMARE MANDAR MAHENDRA	MTB	MTB	MTB	MTB	MTB	MTB	MTB	MTB
Sr. No.	Name of the student	3/1/25	4/1/25	10/1/25	11/1/25	17/1/25	18/1/25	24/1/25	25/1/25
1	ARBUNE YASHVARDHAN VIJAY	Arbune	Arbune	Arbune	Arbune	Arbune	Arbune	Arbune	Arbune
2	BHILAR SAURABH SHARAD	Sabharwal	Sabharwal	Sabharwal	Sabharwal	Sabharwal	Sabharwal	Sabharwal	Sabharwal
3	BHOSALE PRATHAMESH LAXMAN	Bhosale	Bhosale	Bhosale	Bhosale	Bhosale	Bhosale	Bhosale	Bhosale
4	CHAVAN ASHISH RAJESH								
5	CHAVAN KRANTI JOTIRAM	Chavan	Chavan	Chavan	Chavan	Chavan	Chavan	Chavan	Chavan
6	CHAVAN UDAY HANMANT	Chav	Chav	Chav	Chav	Chav	Chav	Chav	Chav
7	GAIKWAD AVDHUT PRADIP	Gaikwad	Gaikwad	Gaikwad	Gaikwad	Gaikwad	Gaikwad	Gaikwad	Gaikwad
8	HAWALDAR NITIN SANJAY	N.H.	N.H.	N.H.	N.H.	N.H.	N.H.	N.H.	N.H.
9	INAMDAR TASMIYA MUSTAFA	Inf.	Inf.	Inf.	Inf.	Inf.	Inf.	Inf.	Inf.
10	KHOT AMRAPALI JAYAPAL	A.Khot	A.Khot	A.Khot	A.Khot	A.Khot	A.Khot	A.Khot	A.Khot
11	MALI HARSH BAPURAO	Mali	Mali	Mali	Mali	Mali	Mali	Mali	Mali
12	MANE SANKET SARJERAO	Mane	Mane	Mane	Mane	Mane	Mane	Mane	Mane

13	MANGAVE DEVGONDA CHANDRAKANT	<u>Do</u>	<u>Do</u>	<u>Do</u>	<u>Do</u>	<u>Do</u>	<u>Do</u>	<u>Do</u>	<u>Do</u>
14	MORE AVISHKAR MADHUKAR	<u>Amad</u>	<u>Amad</u>	<u>Amad</u>	<u>Amad</u>	<u>Amad</u>	<u>Amad</u>	<u>Amad</u>	<u>Amad</u>
15	NALAWADE OMAR BHARAT								
16	PATIL ABHISHEK PANDITRAO	<u>Padil</u>	<u>Padil</u>	<u>Padil</u>	<u>Padil</u>	<u>Padil</u>	<u>Padil</u>	<u>Padil</u>	<u>Padil</u>
17	PATIL HARSHAD HOUSERAO	<u>H.H.Patil</u>	<u>H.H.Patil</u>	<u>H.H.Patil</u>	<u>H.H.Patil</u>	<u>H.H.Patil</u>	<u>H.H.Patil</u>	<u>H.H.Patil</u>	<u>H.H.Patil</u>
18	PATIL PRANAV KRISHNAJI	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>
19	PATIL VISHAL KRISHNARAO	<u>V.Patil</u>	<u>V.Patil</u>	<u>V.Patil</u>	<u>V.Patil</u>	<u>V.Patil</u>	<u>V.Patil</u>	<u>V.Patil</u>	<u>V.Patil</u>
20	PAWAR PRASAD SHIVAJI								
21	SHINDE DIKSHA DIPAK	<u>Shinde</u>	<u>Shinde</u>	<u>Shinde</u>	<u>Shinde</u>	<u>Shinde</u>	<u>Shinde</u>	<u>Shinde</u>	<u>Shinde</u>
22	SURYAVANSHI SUMIT GANPATI	<u>Sumit</u>	<u>Sumit</u>	<u>Sumit</u>	<u>Sumit</u>	<u>Sumit</u>	<u>Sumit</u>	<u>Sumit</u>	<u>Sumit</u>
23	THORAT SARANG BHAUSAHEB	<u>Thorat</u>	<u>Thorat</u>	<u>Thorat</u>	<u>Thorat</u>	<u>Thorat</u>	<u>Thorat</u>	<u>Thorat</u>	<u>Thorat</u>
24	THORAT VISHWAJEET VIKAS	<u>V</u>	<u>V</u>	<u>V</u>	<u>V</u>	<u>V</u>	<u>V</u>	<u>V</u>	<u>V</u>
25	TIRMARE MANDAR MAHENDRA	<u>M.T.</u>	<u>M.T.</u>	<u>M.T.</u>	<u>M.T.</u>	<u>M.T.</u>	<u>M.T.</u>	<u>M.T.</u>	<u>M.T.</u>

Sr. No.	Name of the student	3/3/25	4/3/25	10/3/25	11/3/25	17/3/25	18/3/25	23/3/25	24/3/25
1	ARBUNE YASHVARDHAN VIJAY	<u>Arbune</u>	<u>Arbune</u>	<u>Arbune</u>	<u>Arbune</u>	<u>Arbune</u>	<u>Arbune</u>	<u>Arbune</u>	<u>Arbune</u>
2	BHILAR SAURABH SHARAD	<u>Saurabh</u>	<u>Saurabh</u>	<u>Saurabh</u>	<u>Saurabh</u>	<u>Saurabh</u>	<u>Saurabh</u>	<u>Saurabh</u>	<u>Saurabh</u>
3	BHOSALE PRATHAMESH LAXMAN	<u>Prathamesh</u>	<u>Prathamesh</u>	<u>Prathamesh</u>	<u>Prathamesh</u>	<u>Prathamesh</u>	<u>Prathamesh</u>	<u>Prathamesh</u>	<u>Prathamesh</u>
4	CHAVAN ASHISH RAJESH								
5	CHAVAN KRANTI JOTIRAM	<u>Chavan</u>	<u>Chavan</u>	<u>Chavan</u>	<u>Chavan</u>	<u>Chavan</u>	<u>Chavan</u>	<u>Chavan</u>	<u>Chavan</u>
6	CHAVAN UDAY HANMANT	<u>Uday</u>	<u>Uday</u>	<u>Uday</u>	<u>Uday</u>	<u>Uday</u>	<u>Uday</u>	<u>Uday</u>	<u>Uday</u>

7	GAIKWAD AVDHUT PRADIP	<u>GAIKWAD</u>	<u>GAIKWAD</u>	<u>GAIKWAD</u>	<u>GAIKWAD</u>	<u>GAIKWAD</u>	<u>GAIKWAD</u>	<u>GAIKWAD</u>
8	HAWALDAR NITIN SANJAY	<u>N125</u>	<u>N125</u>	<u>N125</u>	<u>N125</u>	<u>N125</u>	<u>N125</u>	<u>N125</u>
9	INAMDAR TASMIYA MUSTAFA	<u>INAMDAR</u>	<u>INAMDAR</u>	<u>INAMDAR</u>	<u>INAMDAR</u>	<u>INAMDAR</u>	<u>INAMDAR</u>	<u>INAMDAR</u>
10	KHOT AMRAPALI JAYAPAL	<u>KHOT</u>	<u>KHOT</u>	<u>KHOT</u>	<u>KHOT</u>	<u>KHOT</u>	<u>KHOT</u>	<u>KHOT</u>
11	MALI HARSH BAPURAO	<u>MALI</u>	<u>MALI</u>	<u>MALI</u>	<u>MALI</u>	<u>MALI</u>	<u>MALI</u>	<u>MALI</u>
12	MANE SANKET SARJERAO	<u>MANE</u>	<u>MANE</u>	<u>MANE</u>	<u>MANE</u>	<u>MANE</u>	<u>MANE</u>	<u>MANE</u>
13	MANGAVE DEVGONDA CHANDRAKANT	<u>DD</u>	<u>DD</u>	<u>DD</u>	<u>DD</u>	<u>DD</u>	<u>DD</u>	<u>DD</u>
14	MORE AVISHKAR MADHUKAR	<u>AMORE</u>	<u>AMORE</u>	<u>AMORE</u>	<u>AMORE</u>	<u>AMORE</u>	<u>AMORE</u>	<u>AMORE</u>
15	NALAWADE OMKAR BHARAT							
16	PATIL ABHISHEK PANDITRAO	<u>PATIL</u>	<u>PATIL</u>	<u>PATIL</u>	<u>PATIL</u>	<u>PATIL</u>	<u>PATIL</u>	<u>PATIL</u>
17	PATIL HARSHAD HOUSERAO	<u>H.H.PATIL</u>	<u>H.H.PATIL</u>	<u>H.H.PATIL</u>	<u>H.H.PATIL</u>	<u>H.H.PATIL</u>	<u>H.H.PATIL</u>	<u>H.H.PATIL</u>
18	PATIL PRANAV KRISHNAJI	<u>PATIL</u>	<u>PATIL</u>	<u>PATIL</u>	<u>PATIL</u>	<u>PATIL</u>	<u>PATIL</u>	<u>PATIL</u>
19	PATIL VISHAL KRISHNARAO	<u>V.PATIL</u>	<u>V.PATIL</u>	<u>V.PATIL</u>	<u>V.PATIL</u>	<u>V.PATIL</u>	<u>V.PATIL</u>	<u>V.PATIL</u>
20	PAWAR PRASAD SHIVAJI							
21	SHINDE DIKSHA DIPAK	<u>SHINDE</u>	<u>SHINDE</u>	<u>SHINDE</u>	<u>SHINDE</u>	<u>SHINDE</u>	<u>SHINDE</u>	<u>SHINDE</u>
22	SURYAVANSHI SUMIT GANPATI	<u>SURYAVANSHI</u>	<u>SURYAVANSHI</u>	<u>SURYAVANSHI</u>	<u>SURYAVANSHI</u>	<u>SURYAVANSHI</u>	<u>SURYAVANSHI</u>	<u>SURYAVANSHI</u>
23	THORAT SARANG BHAUSAHEB	<u>THORAT</u>	<u>THORAT</u>	<u>THORAT</u>	<u>THORAT</u>	<u>THORAT</u>	<u>THORAT</u>	<u>THORAT</u>
24	THORAT VISHWAJEET VIKAS	<u>V</u>	<u>V</u>	<u>V</u>	<u>V</u>	<u>V</u>	<u>V</u>	<u>V</u>
25	TIRMARE MANDAR MAHENDRA	<u>MID</u>	<u>MID</u>	<u>MID</u>	<u>MID</u>	<u>MID</u>	<u>MID</u>	<u>MID</u>


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

.....

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

i) Which of the following is not the unit of concentration? [10]

- | | |
|--------------|-------------|
| 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 contains.... gm 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) [20]

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

Que. 3) Answer ant two of the following Questions. [20]

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

Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)
Department of Chemistry
Short Term Course "Preparation of Household Chemicals"
Examination (2024-25)

Subject: - Mechanism Precaution and Cleaning Action of Household Chemicals
(Paper-II)

Date-25/03/2025

Times 02.00 to 03.00 pm

Marks – 50

.....

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

- 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-O11 group is... attaching to
 - a) Sp
 - b) Sp^2
 - c) Sp^3
 - d) Sp^2d
- 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) Falty

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

[20]

- 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 prepare phenol from chlorobenzene by DOW-process.
- v) Give the three properties of phenol.

Que. 3) Answer ant two of the following Questions.

[20]

- 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 Course "Preparation of Household Chemicals"
Student Results (2024-25)

Sr. No.	Roll No.	Name of the student	Marks
1	1851	ARBUNE YASHVARDHAN VIJAY	80
2	1852	BHILAR SAURABH SHARAD	81
3	1853	BHOSALE PRATHAMESH LAXMAN	62
4	1854	CHAVAN ASHISH RAJESH	64
5	1855	CHAVAN KRANTI JOTIRAM	52
6	1856	CHAVAN UDAY HANMANT	67
7	1857	GAIKWAD AVDHUT PRADIP	69
8	1858	HAWALDAR NITIN SANJAY	76
9	1859	INAMDAR TASMIYA MUSTAFA	66
10	1860	KHOT AMRAPALI JAYAPAL	68
11	1861	MALI HARSH BAPURAO	70
12	1862	MANE SANKET SARJERAO	71
13	1863	MANGAVE DEVGONDA CHANDRAKANT	63
14	1864	MORE AVISHKAR MADHUKAR	82
15	1865	NALAWADE OMKAR BHARAT	78
16	1866	PATIL ABHISHEK PANDITRAO	80
17	1867	PATIL HARSHAD HOUSERAO	63
18	1868	PATIL PRANAV KRISHNAJI	76
19	1869	PATIL VISHAL KRISHNARAO	64
20	1870	PAWAR PRASAD SHIVAJI	85
21	1871	SHINDE DIKSHA DIPAK	84
22	1872	SURYAVANSHI SUMIT GANPATI	76
23	1873	THORAT SARANG BHAUSAHEB	71
24	1874	THORAT VISHWAJEET VIKAS	73
25	1875	TIRMARE MANDAR MAHENDRA	63


Coordinator


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



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'
2024-2025

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. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli) in the year 2024-2025.


Mr. D. P. Gawari
Course Incharge

Mr. D. A. Sasane
~~Head of Department~~
Department of Chemistry
Dr. Patangrao Kadam Mahavidhyalaya
Ramanandnagar (Burli)

Prof. Dr. U. V. Patil
Principal

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

27/03/2025

Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli) Department of Chemistry conduct the short-term certificate course "Preparation of household chemicals" every year. In this year this course started from 06th January 2025 to 25th March 2025. The Purpose of this course is to give the marketing skill and make the students self-employed. Also to enable students to understand the basic principles of household chemical preparation, including safety protocols, ingredients selections. The duration of this course is 3 months. In this year 23 students were admitted for this course.

The total marks for this course were 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 2024-25. After successful completion of this course the Certificate would provide to students.

No. of Beneficiaries –
23

Outcomes

- Student gets marketing Skills through this course
- Students get self employed



Students Preparing the white phenyl and black phenyl



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