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

(2023-24)

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 September 2023 as per the given time table. Its compulsory to all B.Sc. Part III students.

Coordinator

Head 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' 2023-24

Constitution of committee

During the academic year 2023-24 the department of Chemistry has decided to run short term course on 'Preparation of Household chemicals' for B.Sc. part III students. The bord 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	Dor.
2	Mr. D. A. Sasane	Member	2000
3	Mr. Y. R. Sable	Member	\$ 2
4	Mr. V. V. Nalawade	Member	

Coordinator

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

Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli) Department of Chemistry Short Term Course "Propagation of Household Chemicals"

Short Term Course "Preparation of Household Chemicals" (2023-24)

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

Head lead ept.

Department of Chemistry

Dr. Patangrao Kadam Mahavidhyalaya

Ramanandnagar (Burli)

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' **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

Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli) Department of Chemistry Short Term Course "Preparation of Household Chemicals" Student List (2023-24)

Sr. No.	Roll No.	Name of the student
1	1851	BUCHADE SAKSHI DAYANAND
2	1852	CHANNE AARTI DIPAK
3	1853	CHAVAN SUMIT SUNIL
4	1854	CHINCHANE SANIKA HINDURAV
5	1855	HOGALE PRAMOD PANDURANG
6	1856	INGALE SHITAL POPAT
7	1857	JADHAV KIRAN SURESH
8	1858	JADHAV SHUBHAM RAJARAM
9	1859	KABUGADE NANDINI SANJAY
10	1860	KADAM SANKET MARUTI
11	1861	KOLI SANKET RAJENDRA
12	1862	KUMBHAR RAJ DHANAJI
13	1863	LAD PRANAV SATISH
14	1864	MADANE ANJALI SHANKAR
15	1865	MAHIND PRATIK SAMBHAJI
16	1866	MOHITE HRISHIKESH BHARAT
17	1867	MOHITE SANKET SANJAY
18	1868	MOHITE VAISHNAVI DADASO
19	1869	MORE SUYASH SUNIL
20	1870	NALAWADE SARIKA SANJAY
21	1871	NALAWADE SAURABH SUNIL
22	1872	NERLEKAR OMKAR NANDKUMAR
23	1873	PATIL DIPALI PRAKASH
24	1874	PATIL PRASHANT NANDKUMAR
25	1875	PATIL PRUTHVIRAJ DHANANJAY

26	1876	PATIL PRUTHVIRAJ PRAVIN
27	1877	PATIL SAHIL DHANAJI
28	1878	PATIL SUDHIR HANMANT
29	1879	PAWAR SAKSHI SATISH
30	1880	PAWAR SANDESH MAHESH
31	1881	PAWAR SANIKA ULHAS
32	1882	PISAL DIGVIJAY KAILAS
33	1883	PISAL SURAJ SURESH
34	1884	SALUNKHE SHIVANM PRAVIN
35	1885	SALUNKHE VISHWAJIT VIJAY
36	1886	SUTAR NAMRATA SURYAKANT
37	1887	TIRMARE KUNAL MAHENDRA
38	1888	WAINGADE SAHIL CHANDRAKANT
39	1889	YADAV PRAJVAL SAMPATRAO

Coordinator

Heart of Chemistry
Dr. Patangrao Kadam Mahavidhyalaya
Ramanandnagar (Burli)

Dr. Patangrao Kadam Mahavidyalaya Ramanandnagar, (Burli)

Department of Chemistry

Short term Course 'Preparation of Household Chemicals'

Time Table (2023-24)

B.Sc. III Chemistry - Theory

Time- 01:00 to 02:00 pm

Sr. No.	Day& Date	Name of the Lecturer	Sr. No.	Day& Date	Name of the Lecturer
1	06.09.2023	Mr. Y. R. Sable	13	19.10.2023	Mr. Y. R. Sable
2	07.09.2023	Mr. D. P. Gawari	14	25.10.2023	Mr. D. P. Gawari
3	13.09.2023	Mr. D.A. Sasane	15	26.10.2023	Mr. D.A. Sasane
4	14.09.2023	Mr. K. S. Kalekar	16	01.11.2023	Mr. K. S. Kalekar
5	20.09.2023	Mr. Y. R. Sable	17	02.11.2023	Mr. Y. R. Sable
6	21.09.2023	Mr. D. P. Gawari	18	08.11.2023	Mr. D. P. Gawari
7	27.09.2023	Mr. D.A. Sasane	19	09.11.2023	Mr. D.A. Sasane
8	04.10.2023	Mr. K. S. Kalekar	20	23.11.2023	Mr. K. S. Kalekar
9	05.10.2023	Mr. Y. R. Sable	21	29.11.2023	Mr. Y. R. Sable
10	11.10.2023	Mr. D. P. Gawari	22	30.11.2023	Mr. D. P. Gawari
11	12.10.2023	Mr. D.A. Sasane	23	06.12.2023	Mr. D.A. Sasane
12	18.10.2023	Mr. K. S. Kalekar	24	07.12.2023	Mr. K. S. Kalekar

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	06.09.2023	Mr. Y. R. Sable	5	19.10.2023	Mr. Y. R. Sable
2	07.09.2023	Mr. D. P. Gawari	6	25.10.2023	Mr. D. P. Gawari
3	13.09.2023	Mr. D.A. Sasane	7	26.10.2023	Mr. D.A. Sasane
4	14.09.2023	Mr. K. S. Kalekar	8	01.11.2023	Mr. K. S. Kalekar

Department of Chemistry
Dr. Patangrao Kadam Mahavidhyalaya

Rayat Shikshan Sanstha's Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli) Department of Chemistry Short Term Course "Preparation of Household Chemicals" Student Presents (2023-24)

Sr. No.	Name of the student	6//9/2023	7/9/2023	13/9/23	14/9/23	20/9/23	21/9/23	27/9/23	4/10/23
1	BUCHADE SAKSHI DAYANAND	Sakhi	Salkhi	Salth:	Salch:	Salthi	Sakhi	Sokhi	Sakhi
2	CHANNE AARTI DIPAK	ADC	ADC	ADC	ADC	ADC	ADC	ADC	ADC
3	CHAVAN SUMIT SUNIL	charan	chaus	charan	chalon	charan	chaian	charan	chaver.
4	CHINCHANE SANIKA HINDURAV	B	ALC C	#SC.	FDC.	#hr.	De_	e de	(He_
5	HOGALE PRAMOD PANDURANG	PPH.	PP#	PP4	PPH	(PPAL	PPH	PPH	(p)PH
6	INGALE SHITAL POPAT	2011uag	spinay	Solidas	apingat	Spingy	Springe	8Pung	SPINA
7	JADHAV KIRAN SURESH	Jaghor -	Jacker	Tadhar	gadhal	Jadlas	gad Lev .	tadhu	orden
8	JADHAV SHUBHAM RAJARAM	Zgadhou (15 Toolle	Stor (De	(Stach	3/0	Dr.	Bi.
9	KABUGADE NANDINI SANJAY	NSE	NSK	MSK	NSK	NSK	NSK	NSK	MSIC
10	KADAM SANKET MARUTI	emkado	Smron	gru	8MKar	sura	SMILE	EMB	SMR
11	KOLI SANKET RAJENDRA	Kalisat	Kaliser	halisel	kelist_	/ lestist	Kolk	kolist	Koliset
12	KUMBHAR RAJ DHANAJI	Bambhor	Bringha	Bringin	Recombolin	Beriphis	Bornstin	Brenppy	Bornplon
13	LAD PRANAV SATISH	Pourar	Parent	Preser	Bruer	Prouv	Pour	Preva	Bure
14	MADANE ANJALI SHANKAR	Rem	Dm_	A800	Bin	Posto)	Boom	<u>P</u> 800	Ben
15	MAHIND PRATIK SAMBHAJI	PSM	PSM	PRM	PSM	PSM	PSM	PSM	Bon
16	MOHITE HRISHIKESH BHARAT	Milehat	Mohot	THOTH	pathe	1 Stoff poor	mati	Mble	Moto
17	MOHITE SANKET SANJAY	X	3	4	*	1 ST	4	X	Qu

	18	MOHITE VAISHNAVI DADASO	Praish	varsh	voush	- Vo266	voush	Voush	voush	voush
	19	MORE SUYASH SUNIL	(Sile	R	au	80	\$	8	5	\$
	20	NALAWADE SARIKA SANJAY	DAY.	SON	@N	Ser-	WW.	02N	28N	ON.
i.	21	NALAWADE SAURABH SUNIL	- Ph	-A-	L.	24	dy.	dy	L.	Str
	22	NERLEKAR OMKAR NANDKUMAR	Jacker	John	July	Chiller	John	Inskus	Inhon	Julius
25	23	PATIL DIPALI PRAKASH	TEP	De	(D)	P	De l	P	DOP	
	24	PATIL PRASHANT NANDKUMAR	P.N.P	P.N.P	PNP	PINIP	P. N.P	P.N.P	PINIP	P.N.T
	25	PATIL PRUTHVIRAJ DHANANJAY				1 11 0	1 9 4 7			4 - 4 - 4
	26	PATIL PRUTHVIRAJ PRAVIN	pppui	popus	popui	PPRAL	PPRIS	PPHA	PPPuis	PPRI
	27	PATIL SAHIL DHANAJI	fahil	Latil	Johil	John	Jalil	Lidaz	falil	[di]
	28	PATIL SUDHIR HANMANT	extest	exectif	Belefil	select	Sheet	1.1	V	Straly
	29	PAWAR SAKSHI SATISH	SEP	HP	SLP	SEP	SIP	HP.	-	JP.
	30	PAWAR SANDESH MAHESH	S.M.P	S.M.P	S.M.P	S.M.P	S.M.P	-	_ , _	I.M.F
	31	PAWAR SANIKA ULHAS	Shar	Silver	selavol	Stack	Street	Selfert (Selvens
	32	PISAL DIGVIJAY KAILAS	Opisod	Opisal	Opisal	Opla	Opisal		Opisal	O Ysa
	33	PISAL SURAJ SURESH	Pisal	Pisal	Pisal	Pisal	Pisal	Piscol	prod F	01500
	34	SALUNKHE SHIVANM PRAVIN	5.5.7	5.5.8	5,5,p	5.s.p	5. S.P	9.2.8		9.2.2
L	35	SALUNKHE VISHWAJIT VIJAY	RAPEL	Stil	215	-84.	211	St.	2 -	313
	36	SUTAR NAMRATA SURYAKANT	Sutar	Bulgar	Ruterr	Ruer	Duter	Refer		Leter
	37	TIRMARE KUNAL MAHENDRA	te.	TEC.	Tee.	TC,	Te.	Tree.	Te	TE.
	38	WAINGADE SAHIL CHANDRAKANT	Qub.	Abi	Airb	Pail	Alli	ALII	Phil	AL
	39	YADAV PRAJVAL SAMPATRAO	Byan	Meraul	Boyan	Myad	Buquel	Boyan &	3 1	grence
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Sr. No.	Name of the student	3/10/23	11/10/23	12/10/23	18/1 23	19/10/23	25/10/23	26/10/23	1/11/23
1	BUCHADE SAKSHI DAYANAND	Sakhi	Salehi	Sakhi	Sulthi	Sukhi	Salth:	Sakh:	Salthi
2	CHANNE AARTI DIPAK	APG	ABC	ADC	APC	PPC	00C	ADC	ARC
3	CHAVAN SUMIT SUNIL	chovan.	Charon	charco	Choron	charan	chavan	chavan	chavem
4	CHINCHANE SANIKA HINDURAV	The last	ALC.	Se (D.	A	لو ح الله	#	100
5	HOGALE PRAMOD PANDURANG	PPH	PPH	PPH	PPH	PPH	PPH		PPH.
6	INGALE SHITAL POPAT	SAJH9a)	Sping	spinga	spinga	Spins	Seige	spingel	58091
7	JADHAV KIRAN SURESH	Jacky	Jidhy	Jacky	Jadhw.	Jadhu	Jadhe	Tadhow.	Jacky
8	JADHAV SHUBHAM RAJARAM	32 Fache	BFac 1)	021	64	A.	0	4	Ca
9	KABUGADE NANDINI SANJAY	nsk	NSK	JOSK	MSK	NSK	MSE	MSK	127
10	KADAM SANKET MARUTI	Smkad	Sykat	Smkaa	swkan	Smkan	Smicy	SWKO	SMICH
11	KOLI SANKET RAJENDRA	Kolesa	trafeccas	Kolesul	tolisanc	Kalisa	Kalisad	Kalisa	KOK
12	KUMBHAR RAJ DHANAJI	Recording	Rxmple	Bernston	Berupper	Bargin	Bachplan	Bosingling	Remetra
13	LAD PRANAV SATISH	Dam	Paner	Promon	Poruer	Power	Power	Bearer	Beien
14	MADANE ANJALI SHANKAR	Ren	am	Am	Aco	Das	Asa	Dsm.	Den
15	MAHIND PRATIK SAMBHAJI	PSM	PSM	esm	psm	esm	PSM	PSM	PSM
16	MOHITE HRISHIKESH BHARAT	Drieth	THEFTE	Mode	Moto	PHOPE	Male	Marke	Milota
17	MOHITE SANKET SANJAY	1	1	\$	1	1	4	1	4
18	MOHITE VAISHNAVI DADASO	Lish	Vaish	Deush	. voush	You'sh	Yoush	Yoush	Vous
19	MORE SUYASH SUNIL	sem	5900	SOM	SIM	SSM		SSM	SOM
20	NALAWADE SARIKA SANJAY	SOL	(Danc	SEM	SRIV	SDV	Ø81/	SON	SSV
21	NALAWADE SAURABH SUNIL	R.	Phy.	She	dy	- John	Sh	L	de

22	NERLEKAR OMKAR NANDKUMAR	Apreflys	Inter	John	John	Inthos	Sinfort	Graffice	Juffer
23	PATIL DIPALI PRAKASH	720	JPP	JD9	JAP !	PP	Re	JAP	100
24	PATIL PRASHANT NANDKUMAR	P. M. P	P.01.P	P. N. P	b. N.b	P.N.P	b. W. b	P.N.P	P.N.A
25	PATIL PRUTHVIRAJ DHANANJAY	B.P.P	PR	P.P.P	120	220	100	720	224
26	PATIL PRUTHVIRAJ PRAVIN	PPPULS_	pppus	pppus	pppui	popul	PPPUL	PPPT-11	popul
27	PATIL SAHIL DHANAJI	Solil	falil	Jahil	fatil	Sahil	Jalil.	Sahil	Sabil
28	PATIL SUDHIR HANMANT	& Retu	81Pall	Sheely	Sleely	Short	Street	Selected.	Short
29	PAWAR SAKSHI SATISH	888	819	882	HP	LIP !	MP !	HP 1	23
30	PAWAR SANDESH MAHESH	S.M.P	S.M.P	5.M.P	S.M.P	S.M.P	5.m.P	5.m.P	S.M.P
31	PAWAR SANIKA ULHAS	Skory	Start	Shut	Shot	april	3Bird	Shed	Selent
32	PISAL DIGVIJAY KAILAS	Opsul	Ober	Opisal	Opisal	Desal	Obisal .	Office	Disal
33	PISAL SURAJ SURESH	Risal	Pisso	Pisal	Pisal	Pisal	Piso	Pisa	Pigel
34	SALUNKHE SHIVANM PRAVIN	S.S.P	S.S.P	5.S.P	S.S.P	S-SP	55.P	92.2	3.5.P
35	SALUNKHE VISHWAJIT VIJAY	V. V. Sale	V.V. Say	V.V. Saley	2 . V . Sola	v.v.saly	V.V. saled	v.V.sade	Very say
36	SUTAR NAMRATA SURYAKANT	Ditar.	Duter.	Dehor	Beter.	Dular.	Buten	Sular	Suker
37	TIRMARE KUNAL MAHENDRA	Tee	يح	Ta	Te	To	FE	TE	R
38	WAINGADE SAHIL CHANDRAKANT	Alan	Alm	SAb.	Di	Shi	الملاح	Shi	Smil
39	YADAV PRAJVAL SAMPATRAO	Trasand	Proposal	Busuel	Byac	popula	porpeal	Magad	pure
	4	1	1	1	1	1	1	4	1

Sr. No.	Name of the student	/11/23	8/11/23	9/11/23	23/1 23	29/11/23	30/11/23	6/12/23	7/12/23
1	BUCHADE SAKSHI DAYANAND	Sulthi	Sakhi	Sakhi	Gakh:	Selfi	Sathi	Sukhi	Sakhi
2	CHANNE AARTI DIPAK			CA	St.			. 85	
3	CHAVAN SUMIT SUNIL	Danaso	Seefrench	secharb	Sorava	sechula	sechavan	Stenary	Section
4	CHINCHANE SANIKA HINDURAV	A.	(III)	A	(D)	ADC.	Ala	A .	Stc-
5	HOGALE PRAMOD PANDURANG	Proste	P. hogle	Phagle	P. Mayed	Phogel	p. hage	Phyl	emale
6	INGALE SHITAL POPAT	psingal	PS inque	psingab	ByJahan	P Singal	bendar	Rungale	bendar
7	JADHAV KIRAN SURESH	KSL	KSI	LESI-	KS)	KSI	<u>FS1</u>	KS)	1-55
8	JADHAV SHUBHAM RAJARAM	Badhe	5 for	Haw	Color	Effer !	BF.	SL-	4
9	KABUGADE NANDINI SANJAY	SNKOM	SWKeby	SMY	SNELA	SWEY	smar	SWY	EMP
10	KADAM SANKET MARUTI	5MKa)	(SM)	811	SMO	EMP.	SMB	SMA	&WK
11	KOLI SANKET RAJENDRA	SPL	Sele	SPR	Spl	SPK	SPA	DE F	SP
12	KUMBHAR RAJ DHANAJI	Bringlad	Beruphon	Brouppe	Berepa	Bantha	Brimph	Broughe	Bringhin
13	LAD PRANAV SATISH	Prestreet	Poemer	Promov	Pranon	Beier	Press	Power	Power
14	MADANE ANJALI SHANKAR	Rom	Q100	Dom	Dum	Q800	Ason	Non	Ason
15	MAHIND PRATIK SAMBHAJI	Storm	(Spm)	6PM	GMM	SEM	(SPM)	(SPM)	SPM
16	MOHITE HRISHIKESH BHARAT	Mote	Mode	Mote	Market	Ptots	WHOK	MIOR	MIGHT
17	MOHITE SANKET SANJAY	2	9	2	X	8	8	4	8
18	MOHITE VAISHNAVI DADASO	Yeu'sh	Voush	Yoush	vaish	Yoush	Vaish	yoush	Louish
19	MORE SUYASH SUNIL	Serios	S.Smore	5. Smore	S-Smon	e sismo	r sismo	us Sisur	re sism
20	NALAWADE SARIKA SANJAY	5294	SOL	OON-	SON	SEN	SEN	- OSW	YESS Y
21	NALAWADE SAURABH SUNIL	L	Sh.	de s	- Fly	> Lifu	Loke	13	(4)

	1									
2	2	NERLEKAR OMKAR NANDKUMAR	Jaffet.	Queller	anthus	Just	- Josephy	- Julius	- Infi	2 Jahra
2	3	PATIL DIPALI PRAKASH	TEX	P	JE P	JED	P	TPP	· P	. De
2	4	PATIL PRASHANT NANDKUMAR	P.N.A	P.N.P	PINIP	P.N.P	PINI.P	P.M.P	P. N.S	P.N.P
2	.5	PATIL PRUTHVIRAJ DHANANJAY	Robil	Oatil	Pakil	Duti	Put	Dulil	Defi!	Pafil
2	6	PATIL PRUTHVIRAJ PRAVIN	popus	popui	pppus	ppai	pptus	pppur	PPPU	o popus
2	:7	PATIL SAHIL DHANAJI								
2	8	PATIL SUDHIR HANMANT	Medy	Wherlib	gleely	Steely	Steely	Streety	Specty	Steeley
2	.9	PAWAR SAKSHI SATISH	L. Same							
3	0	PAWAR SANDESH MAHESH	Bendy	Sandy	Sandy	Sandy	Sandy	Sorely	Serrely	farely
3	1	PAWAR SANIKA ULHAS	School	Strong	Short	Short	Shaot	Stored	School	Shript
3	2	PISAL DIGVIJAY KAILAS	Opisal	Opisal	Opisal	P PISO	Opisal	Desse	PHS =	@Pist
3	3	PISAL SURAJ SURESH	Disal	Pisal	Risal	Pisal	Pisal	Pisa	Pisal	Pisor
3	4	SALUNKHE SHIVANM PRAVIN	5.5.P	5.S.P	S.S.P	8.S.P	- S.S.P	S.S.P	S.S.P	2.2.D
3	5	SALUNKHE VISHWAJIT VIJAY	<i>8</i> 158	22	22	SK	SE	SIL	- 28c	21
3	6	SUTAR NAMRATA SURYAKANT	Duton	Beton	Detar		Dutor	Deter		Duter.
3	7	TIRMARE KUNAL MAHENDRA	Tee	ICe	T e	Te	Te	Juil (A)	The span	
3	8	WAINGADE SAHIL CHANDRAKANT	SAMI	Aul	S AN	SPAIN .	And		,	PMINE!
3	9	YADAV PRAJVAL SAMPATRAO	Myarl	pyoul	pourgel	Brow	pryau	ggya of	myery	Pryvel

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"
Examination (2023-24)
Concept of Household chemicals Dancy I

Subject: - Basic Concept of Hou Date — 10/01/2024	$T_{ime} = 1.00 + 0.2.00$	Marks –	-50
	lternative from the following and rewrite the	••••••	•••
i) Which of the following is	not the unit of concentration?		
a) Normality	b) Morality	[1	0]
c) Molality	d) Kg		
ii) Which of the following is			
a) Soyabean oil	b) Dettol		
c) Lysol	d) Savlon		
iii) Proton Donor Substance			
a) Acid	b) Base		
c) Both A and B	•		
iv) 15% solution of a substan	ce contains gm in to 100 ml solvent.		•
a) 15	b) 20		
c) 10.5	d) 11		
v) Gram equivalent wt. of sol	ute per litre of solvent is called as		
a) Normality	b) Morality		
c) Molality	d) grams		
Que. 2) Answer the following Que	estions (any four)	[20]	
 i) Define the term normality, ii) How will you prepare 100 iii) What are acids and Bases iv) Define the term indicator 	Morality and Molality. ml 0.1 N NaOH solution? s? Explain in details with example. c. Give the types. giving the types of titrations?	[20]	
i) Explain the preparation ofii) Give the different uses ofiii)Describe the term Equivale	White phenyl. Household chemicals. ent weight and molecular weight with examples		

Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)

Department of Chemistry
Short Term Course "Preparation of Household Chemicals"
Examination (2023-24)

Subject: - Mechanism Precaution and Cleaning Action of Household Chemicals (Paper-II)			
Date-10/01/2024	Times 02.00 to 03.00 pm	Marks – 50	
i) Carbolic gold is also 1	ct alternative from the following and rewr	ite the sentence.	
i) Carbolic acid is also k a) Carboxylic Aci			
c) Phenyl	,		
ii) Phenyl is use as a	d) All of these		
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) Sp3	d) Sp ² d		
iv) Phenol is Hydroxyl c a) Aliphatic			
c) Cyclic	b) Aromatic		
v) Soaps are alkali metal	d) none of these		
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 use	ed for the preparation of liquid soap?		
iii) Give the uses of liquid	l soap.		
iv) How will you prepare	phenol from chlorobenzene by DOW-process	S.	
v) Give the three properties	es of phenol.		
Que. 3) Answer ant two of the	following Questions.	[20]	
i) Discuss the Manufacture	e of liquid soap.		
ii) Give the Methods of sy			
iii) Give the uses of white	phenyl and black phenyl		

Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli) Department of Chemistry Short Term Course "Preparation of Household Chemicals" Student Results (2023-24)

Sr.	Roll	Name of the student	Marks
No.	No.		
1	1851	BUCHADE SAKSHI DAYANAND	85
2	1852	CHANNE AARTI DIPAK	82
3	1853	CHAVAN SUMIT SUNIL	60
4	1854	CHINCHANE SANIKA HINDURAV	83
5	1855	HOGALE PRAMOD PANDURANG	78
6	1856	INGALE SHITAL POPAT	85
7	1857	JADHAV KIRAN SURESH	78
8	1858	JADHAV SHUBHAM RAJARAM	70
9	1859	KABUGADE NANDINI SANJAY	81
10	1860	KADAM SANKET MARUTI	65
11	1861	KOLI SANKET RAJENDRA	66
12	1862	KUMBHAR RAJ DHANAJI	71
13	1863	LAD PRANAV SATISH	62
14	1864	MADANE ANJALI SHANKAR	80
15	1865	MAHIND PRATIK SAMBHAJI	65
16	1866	MOHITE HRISHIKESH BHARAT	63
17	1867	MOHITE SANKET SANJAY	68
18	1868	MOHITE VAISHNAVI DADASO	88
19	1869	MORE SUYASH SUNIL	68
20	1870	NALAWADE SARIKA SANJAY	85
21	1871	NALAWADE SAURABH SUNIL	67
22	1872	NERLEKAR OMKAR NANDKUMAR	65
23	1873	PATIL DIPALI PRAKASH	80
24	1874	PATIL PRASHANT NANDKUMAR	65
25	1875	PATIL PRUTHVIRAJ DHANANJAY	65
26	1876	PATIL PRUTHVIRAJ PRAVIN	66

27	1877	PATIL SAHIL DHANAJI	68
28	1878	PATIL SUDHIR HANMANT	67
29	1879	PAWAR SAKSHI SATISH	85
30	1880	PAWAR SANDESH MAHESH	74
31	1881	PAWAR SANIKA ULHAS	82
32	1882	PISAL DIGVIJAY KAILAS	72
33	1883	PISAL SURAJ SURESH	70
34	1884	SALUNKHE SHIVANM PRAVIN	65
35	1885	SALUNKHE VISHWAJIT VIJAY	68
36	1886	SUTAR NAMRATA SURYAKANT	65
37	1887	TIRMARE KUNAL MAHENDRA	65
38	1888	WAINGADE SAHIL CHANDRAKANT	68
39	1889	YADAV PRAJVAL SAMPATRAO	69

Coordinator

Head Isotopept.

Department of Chemistry

Dr. Patangrao Kadam Mahavidhyalaya

Ramanandnagar (Burli)



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'

2023 - 2024

CERTIFICATIO

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

2023-2024.

Mr. D. P. Gawari Course Incharge

Mr. K. Kalekar Head of Department

Prof. Dr. U. V. Patil VC Principal

Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli) Department of Chemistry Report on

Short Term Course "Preparation of Household Chemicals"

10/12/2023

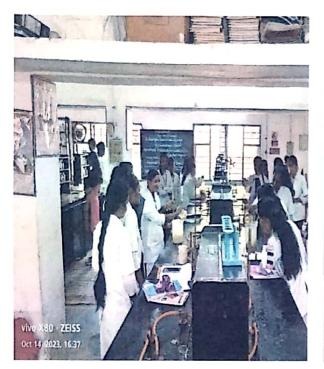
Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli) Department of Chemistry conduct the short-term certificate course "Preparation of household chemicals" every year. In this year this course started from 6th September 2023 to 7th December 2023. The Purpose of this course is to give the marketing 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 39 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 2023-24. After successful completion of this course the Certificate would provide to students.

No. of Beneficiaries – 39

Outcomes

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





Students Preparing the white phenyl and black phenyl





Coordinator

Heap of Dept.

Department of Chemistry

Dr. Patangrao Kadam Mahavidhyalaya

Ramanandnagar (Burli)