

“ज्ञान, विज्ञान आणि सुसंस्कार यासाठी शिक्षणप्रसार”

शिक्षणमहर्षि डॉ. आपूजी बालुंबे

SHRI SWAMI VIVEKANAND SHIKSHAN SANSTHA'S, KOLHAPUR

**Dattajirao Kadam Arts, Science & Commerce**

**College, Ichalkaranji.**

**Department of Chemistry**

**“Preparation of Household Chemicals”**

**2022-2023**



Date: 12-11-2022

To,

The Principal,

Dattajirao Kadam Arts, Science and Commerce College,

Ichalkaranji.

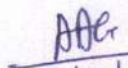
Subject: Seeking Permission to conduct three months **Preparation of Household Chemicals Certificate Course.**

Respected Sir,

With the reference to above cited subject, Department of Chemistry wants to conduct **Preparation of Household Chemicals** course under Department of Chemistry, DKASC College Ichalkaranji, in academic year 2022-23. So hereby we are requesting you to permit us to conduct the said course in the academic year 2022-23.

Thanking You,

Yours Sincerely,

  
12/11/2022  
(Dr. A. A. Ghare)  
**HEAD,**

Department of Chemistry,  
Dattajirao Kadam Arts, Science  
& Commerce College,  
ICHALKARANJI.



*Granted*

*12/11/22*

# Dattajirao Kadam Arts, Science and Commerce College, Ichalkaranji.



Tal. Hatkanangale, Dist. Kolhapur - 416 115. Office : (0230) 2420 412

Principal : (0230) 2991617 Email : dkasccollege@gmail.com Website : www.dkasc.ac.in

(Permanently Affiliated to Shivaji University, Kolhapur - No. Affi/T-2/5049 dt. 10-07-1999)

ज्यु. कॉलेज-शासन आदेश क्रमांक - एचएससी/०७/वीस/एकवीस, दि.६-५-१९७६ Jr. Index No. J-23.06.001

Founder

Shikshanmaharshi Dr. Bapuji Salunkhe  
D.Lit.

President

Hon. Chandrakant Dada Patil  
Minister, Higher and Technical Education,  
Gov. of Maharashtra

Chairman

Hon. Prin. Abhaykumar Salunkhe  
M.A.

Secretary

Hon. Prin. Mrs. Shubhangi Gawade  
M.Sc., B.Ed.

Principal

Dr. Anil Patil  
M.Sc., Ph.D.

Outward No. : DKASC / समझ 21-23

Date: 12.11.2022

प्रति,

मा. प्र. संचालक

आजीवन अध्ययन व विस्तार विभाग,

शिवाजी विद्यापीठ,

कोल्हापूर.

विषय :- आजीवन अध्ययन व विस्तार विभागात "प्रिपरेशन ऑफ हाऊसहोल्ड केमिकल्स" हा अभ्यासक्रम महाविद्यालयात सुरु करणेबाबत.

महोदय,

वरील विषयास अनुसरून आमचे महाविद्यालयात "प्रिपरेशन ऑफ हाऊसहोल्ड केमिकल्स" हा अभ्यासक्रम शै. वर्ष २०२२-२०२३ मध्ये घेण्याचे प्रस्तावित आहे. या अभ्यासक्रमासाठी किमान १२० विद्यार्थी संख्या अपेक्षित आहे. तरी सदर प्रस्तावास रीतसर मान्यता मिळावी.

कळावे,



आ. विश्वासू

(डॉ. अनिल पाटील)

**Principal,**  
D.K.A.S.C. College,  
Ichalkaranji.

**Dattajirao Kadam Arts, Science & Commerce College,  
Ichalkaranji.**

**Department of Chemistry**

**Board of Studies**

for

Carrier Oriented Course on

**Preparation of Household Chemicals**

2022-2023

Sr. No	Name of the Member	Address	Address
1	Principal Dr. A. N. Patil	Chairman	Principal, Dattajirao Kadam Arts, Science & Commerce College, Ichalkaranji
2	Dr. A. A. Ghare	Member	Head, Department of Chemistry, Dattajirao Kadam Arts, Science & Commerce College, Ichalkaranji
3	Dr. S. D. Shirke	Member	Head, Department of Chemistry, Vivekanand College, Kolhapur
4	Dr. D. A. Kumbhar	Co-ordinator	Assistant Professor, Department of Chemistry, Dattajirao Kadam Arts, Science & Commerce College, Ichalkaranji
5	Dr. A. S. Tapase	Member	Assistant Professor, Department of Chemistry, Vivekanand College, Kolhapur

AAG  
Dr. A. A. Ghare  
**HEAD,**  
**Department of Chemistry,**  
**Dattajirao Kadam Arts, Science**  
**& Commerce College,**  
**ICHALKARANJI.**



Dr. A. N. Patil  
**Principal,**  
**D.K.A.S.C. College,**  
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M.A.

Secretary

Hon. Prin. Mrs. Shubhangi Gawade  
M.Sc., B.Ed.

Principal

Dr. Anil Patil  
M.Sc., Ph.D.

Outward No. : DKASC / समस २२-२३

Date: 12.11.2022

To,  
**Dr. S. D. Shirke**  
**Head, Vivekanand College, Kolhapur**

**Subject: Invitation to become member of Board of Studies.**

Respected Sir,

Greatings from DKASC College, Ichalkaranji we are a renowned institution affiliated with Shivaji University, Kolhapur. Since our establishment, we have been dedicated to uplifting rural students through relentless efforts. Our commitment to excellence is evident as we are accredited with an A grade by NAAC. The courses we offer are as follows.

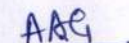
Course	Intake
1) B.A/B.Com./B.Sc.	360
2) BCA	80
3) M.Sc.	20
4) M.A	100

We are delighted to extend our invitation to you to join the Board of Studies in Chemistry for the development of the syllabus for the career-oriented course titled '**Preparation of Household Chemicals**'.

I am writing to formally confirm our previous discussion regarding your participation as a member of the BoS. Your willingness to contribute your time and expertise to the syllabus development process is greatly appreciated.

Thanks & regards,

Yours faithfully,

  
**Dr. A. A. Ghare**  
**HEAD,**  
**Department of Chemistry,**  
**Dattajirao Kadam Arts, Science**  
**& Commerce College,**  
**ICHALKARANJI.**



  
**Dr. Anil Patil**  
**Principal,**  
**D.K.A.S.C. College,**  
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Principal

Dr. Anil Patil  
M.Sc., Ph.D.

Outward No. : DKASC / समष्टि 22-23

Date: 12.11.2022

To,

Dr. A. S. Tapase

Vivekanand College, Kolhapur

**Subject: Invitation to become member of Board of Studies.**

Respected Sir,

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Thanks & regards,

Yours faithfully,

  
Dr. A. S. Ghare

Department of Chemistry,  
Dattajirao Kadam Arts, Science  
& Commerce College,  
ICHALKARANJI.



  
Dr. Anil Patil

Principal,  
D.K.A.S.C. College,  
Ichalkaranji.

## Notice

All the members of the Board of Studies of (COC) Preparation of house hold chemicals course (Three month) of Dattajirao Kadam Arts, Commerce and Science college, Ichalkaranji are hereby informed that the first meeting of the B.O.S. is scheduled on Wed, 17<sup>th</sup> Aug, 2022 at 8.30 am through online mode using Google meet platform. Please make it convenient to be present for the meeting. The agenda of the meeting is as follows.

### Agenda for the meeting

- 1) To review structure of the syllabus for preparation of household chemicals course.
- 2) To design the syllabus for preparation of household chemicals course
- 3) To finalize the list of instruments required as per practical syllabus.
- 4) Any other matter with the permission of the Chair.



(Dr. D. A. Kumbhar)

Coordinator

Preparation of Household chemical  
Department of Chemistry,  
Dattajirao Kadam Arts, Science  
& Commerce College,  
ICHALKARANJI.



(Dr. A. N. Patil)

Principal,

D.K.A.S.C. College,  
Ichalkaranji.

## Minutes of Meeting

A meeting of Board of Studies of the preparation of household chemicals course.

Course was held on 17-08-2022 at 08:30AM in on line mode.

The following members were present

Sr. No.	Name of the member	Nomination
1	Principal, Dr. A.N. Patil	Chairman
2	Dr. A. A. Ghare	Member
3	Dr. S. D. Shirke	Member
4	Dr. D. A. Kumbhar	Member
5	Dr. A. S. Tapase	Member

### Leave of absence

1. Leave of absence was granted to the Mr. Mayur Barge, (Industrial Expert) by the Chairman Board of Studies.

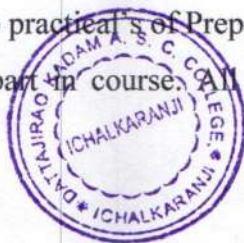
The Dr. D. A. Kumbhar welcome all the members who were present for the meeting and meeting initiate with the guidance of Chairman Principal Dr. A. N. Patil The meeting was there after deliberated by Dr. A.A. Ghare on agenda items as had been approved by the Chairman.

### Item No. 1 Allotment of number of hours per Unit

Dr. A.S. Tapase suggested adding number of hours to each unit to define weightage of each unit. Other BoS members also agreed to this point and suggest its distribution.

### Item No. 2 Corrections in syllabus contents

Dr. S. D. Shirke suggested removing catalysis unit from preparation of Household Chemical Course and merging Domestic Chemicals and Titration unit. Also, Dr. A. A. Ghare advised to add solution preparation-based unit in COC Course. Dr. S. M. Landage recommends adding two practicals of Preparation of Phenols and Preparation of Dyes and also instrumentation part in course. All BoS members also agreed to these



revisions in syllabus.

### **Item No. 3 Industrial Training/ Visit Commended**

For better understanding of students Industrial Training/ Visit suggested by BoS members whenever possible.

The meeting concluded at 9:45AM with a vote of thanks by **Dr. D.A. Kumbhar** member Board of Studies.

Based on the suggestion of committee members, Changes has been incorporated and added All course syllabus has been approved with incorporating the recommendations and suggestions.

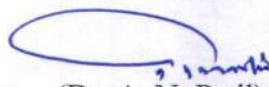


(Dr. D. A. Kumbhar)

Co-ordinator

(Preparation of household Chemicals)

**Coordinator,**  
**Department of Chemistry,**  
Dattajirao Kadam Arts, Science  
& Commerce College,  
ICHALKARANJI.



(Dr. A. N. Patil)

**Principal,**

**D.K.A.S.C. College,**  
**Ichalkaranji.**

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SHRI SWAMI VIVEKANAND SHIKSHAN SANSTHA'S, KOLHAPUR  
**Dattajirao Kadam Arts, Science & Commerce College,**  
**Ichalkaranji.**  
**Academic year 2022-23**

**DEPARTMENT OF CHEMISTRY**  
**(Preparation of Household Chemicals)**

Date: 16/11/2022

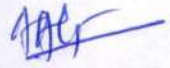
## Notice

All the students of B.Sc. III (chemistry) are hereby informed that Carrier Oriented Course '**Preparation of Household Chemicals**' organised by department of chemistry. This course conducted during February 2023 to May 2023. The course is compulsory to all the students. The fee of this course is 400/- per students. So get the admission form from Mr. N.H. Waghmare sir.

### Documents Required

- 1) 10<sup>th</sup> mark list and certificate Xerox
- 2) 12<sup>th</sup> mark list



  
Dr. A. A. Ghare  
**HEAD,**  
**Department of Chemistry,**  
**Dattajirao Kadam Arts, Science**  
**& Commerce College,**  
**ICHALKARANJI**

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शि.म.डॉ.बापूजी शालुंबे

श्री स्वामी विवेकानंद शिक्षण संस्था, कोल्हापूरचे

**Dattajirao Kadam Arts, Science & Commerce College,  
Ichalkaranji.**

**Department Of Chemistry**

Name of Course: Preparation of household chemicals

**List of Candidates (2022-2023)**

Sr.No.	Name of students	PHC Admitted
1	MANE PRAFULLA RAJENDRAKUMAR	<u>Pmane.</u>
2	MULLA SULTAN AMIR	<u>Amulla</u>
3	BOKARE SHEJAL SURESH	<u>ShalSB</u>
4	BHISE ADRASH CHANDRAKANT	<u>A.C.Bhise</u>
5	PATIL VAISHNAV BAJRANG	<u>Patil</u>
6	SUTAR MUSKAN KALANDAR	<u>M.K.Sutar</u>
7	DONE PALLAVI SANJAY	<u>Done</u>
8	BELKUDE KHUSHABU PAPALAL	<u>Bmli</u>
9	MALI VAISHNAVI SURESH	<u>Salhi</u>
10	GAVALI SANCHI PRASHANT	<u>Bongale</u>
11	BONGALE NEHA DAYANAND	<u>Bawar</u>
12	NIRANJAN SUNIL PAWAR	<u>Panale</u>
13	PATIL CHAITANYA CHANDRAKANT	<u>PRB</u>
14	RAVAN MANASI RAJARAM	<u>Rakshe</u>
15	RAKSHE SNEHALKUMAR RKSHE	<u>RSank</u>
16	SANKANNA SHRUTI SANJAY	<u>Shvanungare</u>
17	VHANUNGARE SNEHAL VIJAY	<u>A-S.K</u>
18	KAMBLE AMRUTA SUNIL	<u>Komal</u>
19	BHANDARE KOMAL JINPAL	<u>Pambe</u>
20	TAMBE PRAJAKTA SAMBHAJI	<u>P.M.sutar.</u>
21	SUTAR RUTUJA MAHADEV	<u>Aswandre</u>
22	VANDRE ASMITA SURESH	<u>Shulde</u>
23	HALADE SUYASH SADASHIV	<u>AS</u>



✓ 24	SHRIGANNAVAR NEHA SUKUMAR	<u>NS</u>
✓ 25	MASKAR SHUBHANGI DATTATRAY	<u>S</u>
✓ 26	CHOUGULE ADITYA ANIL	<u>Aditya</u>
✓ 27	CHAVAN MAHESH GAJANAN	<u>Mahesh</u>
✓ 28	SHELAKE SANKET SURESH	<u>Shelake</u>
✓ 29	MORE SOURABH SUBHASH	<u>Smore</u>
✓ 30	CHAKARE SWATI UDAY	<u>Swati</u>
✓ 31	SARABI PRACHI SUNIL	<u>Prachi</u>
✓ 32	DESAI SAKSHI SANJAY	<u>SSDesai</u>
✓ 33	JADHAV PRASAD RAJARAM	<sup>13</sup> P. R. Jadhav
✓ 34	UBALE VAIBHAV LALASA'HEB	<u>V.L. Ubale</u>
✓ 35	PARIT SAYALI RAJENDRA	<u>Parit</u>
✓ 36	ROHINI ANNASO SUTAR	<u>Rohini</u>
✓ 37	AKANKSHA GUNAJI DESAI	<u>Akanksha</u>
✓ 38	SHWETA PRAKASH DHANGAR	<u>Shweta</u>
✓ 39	SHRAVANI SANJAY DHATUNDE	<u>Shravani</u>
✓ 40	RUSHIKESH ANKUSH GIRI	<u>R.A. Giri</u>
✓ 41	BHARATI MARUTI HATKAR	<u>Bharkar</u>
✓ 42	BHAGAT TEJSWINI GUNIDAS	<u>T. Bhagat</u>
✓ 43	NANDINI ANKUSH SAWANT	<u>Nandini</u>
✓ 44	SWARUP SARJERAO PATIL	<u>Spatil</u>
✓ 45	SANIYA DASHRATH BORADE	<u>Saniya</u>
✓ 46	HARISH RAMESH PATIL	<u>HRPatil</u>
✓ 47	SHUBHAM SATAPPA SHETAKE	<u>Shubham</u>
✓ 48	SUDARSHAN SANJAY KOKANE	<u>Sudarshan</u>
✓ 49	RUTIK DASHRATH DHOKARE	<u>Rutik</u>
✓ 50	ABHISHEK RAVINDRA KHARWAR	<u>Abhishek</u>
✓ 51	GIRISH UDAY AMANE	<u>Girish</u>
✓ 52	SURAJ SAKHARAM LOKARE	<u>Suraj</u>
✓ 53	DIGAMBAR SAGAR CHAVAN	<u>Digambar</u>
✓ 54	AJAY SAMBHAJI JADHAV	<u>Ajay</u>



55	SANCHITA SACHIN KAMBLE	<u>Samble</u>
56	TEJASHRI RAMCHANDRA PATIL	<u>Patil</u>
57	SOURABH TUKARAM KURADE	<u>S.T.kurme</u>
58	PRATIKSHA SANTOSH MOHITE	<u>Santosh</u>
59	SHVETA DNYANDEV ZUNAKE	<u>Zunake</u>
60	PRASAD BALU KADAM	<u>Dares</u>
61	MUJAWAR SIMRAN SARDAR	<u>Simran</u>
62	VASYDEV LAXMIKANT SHRIKANT	<u>VSV</u>
63	SHEPANNANAVAR SARSWATI IRANA	<u>Sarash</u>
64	PATIL VRUSHABH PRAVIN	<u>Patil V.P.</u>
65	RAHUL PARASHRAM POWAR	<u>Powar P.</u>
66	SNEHAL VILAS KANERE	<u>Skanere</u>
67	BHAGYASHREE APPASO YALLAPNNANAVAR	<u>Bhagyashree</u>
68	MULLA RAHEELA SAEEDA	<u>Mullek</u>
69	SUTAR VAISHNAVI DILIP	<u>Sulemb</u>
70	SNEHA SANJAY GAYKWAD	<u>Snehakumbhar</u>
71	SNEHAL BAJRANG KUMBHAR	<u>Kumbhar B.S.</u>
72	NIKHIL NITIN PATIL	<u>Patil N.N.</u>
73	PRAKASH KIRAN KUSANE	<u>Kusane P.K.</u>
74	ARPITA P.PATIL	<u>Patil A.P.</u>
75	SIFA MANSUR MUJAWAR	<u>Minshe S.S.</u>
78	SHITAL SANJAY MINCHE	<u>Shimhe</u>
79	DHANANJAY SUNIL AMBI	<u>D.Ambi</u>
80	PRATHMESH UMESH MAGDUM	<u>PUM</u>
81	PRATIK AVINASH SHETE	<u>PAS</u>
82	KOMAL SUNIL BHANDARE	<u>K.S.Bhandare</u>
83	DHANASHRI KRISHNA KUMBHAR	<u>D.Kumbhar</u>
84	DHANASHRI DHONDIRAM KAMBLE	<u>D.Damble</u>
85	RUTUJA BABAN KHOT	<u>R.B.Khot</u>
86	KIRTI SHRINAPPA YARPALLI	<u>Karte</u>
87	RUTUJA BALAJI VANMORE	<u>R.B.V.</u>
89	NIKITA RAVSAHEB PATIL	<u>N.Patil</u>



90	ASHITOSH ANIL GANGDHAR	<u>DD</u>
91	SANDHYA UMESH GAYKWAD	<u>Saikwad</u>
92	RUTWIK BHARAT PATIL	<u>Rutwik</u>
93	SARTHAK SUNIL CHIGARE	<u>Schigare</u>
94	ROHAN RAJU NAIK	<u>RNaik</u>
95	VISHNU RUBAN JAWALE	<u>Vijawale</u>
96	YASH GORAKH LOTAKE	<u>Yglotake</u>
97	SACHIN SANTOSH KHOT	<u>Ssachin</u>
98	DEEPAK MARUTI RAYKAR	<u>D.M. Raykar</u>
99	SOURABH DAYANAND WALKAR	<u>Swalkar</u>
100	PRAMOD JAYPAL KAMBLE	<u>Pkamble</u>
101	RUTUJA VASANT KAMBLE	<u>Rutuja Kamble</u>
102	SUSHANT BAJIRAO PARIT	<u>Sushant</u>
103	SURAJ DURYODHAN SHINDE	<u>Suraj</u>
104	KAMBLE DINBHUSHAN DILIP	<u>Dkamble</u>
105	MONIN SHAHIR NAVED	<u>Nmonin</u>
106	GOURAV SHRIKANT PATANKAR	<u>Gpatankar</u>
107	RAJVARDHAN EKNATH PATIL	<u>Ripatil</u>
108	SUHAS SHITAL PATIL	<u>Sspatil</u>
109	SUSHOBHAN SHIVJI PATIL	<u>SBJ</u>
110	SANKET BALU JADHAV	<u>Sanket</u>
111	ANIL APPASO KUMBHAR	<u>AK</u>
112	APARNA SANJAY KUMBHAR	<u>APK</u>
113	PAVAN APPA LAVATE	<u>PavLavate</u>
114	HARSHVARDHAN SANJAY MAGDUM	<u>Hmagdum</u>
115	AKHIL N. MAGDUM	<u>Akhil</u>
116	SURAJ SUNIL SAKATE	<u>SS</u>
117	RAMESH KAKASAHEB TONE	<u>RkTone</u>
118	VEERKUMAR MOHAN KUMBHAR	<u>Vkumbar</u>
119	BATUNGE ARATI DILIP	<u>Aratunge</u>
120	PUJARI KRUSHNA YOGESH	<u>Pkay</u>
121	VADAGE PRATIKASHOK	<u>Pv</u>



✓ 122	AWALE SARA RAJENDRA		<i>Amrta</i>
✓ 123	CHOUGULE YASHRAJ PRAVIN		<i>Yashraj P.</i>
✓ 124	DAVARI VISIT RAJENDRA		<i>Visit R.</i>
✓ 125	BACHATE REVA BALKRISHNA		<i>Reva B.</i>
✓ 126	PATIL AMRUTA RAYGONDA		<i>Amruta R.</i>
✓ 127	MAKANDAR SAHIL SAMIR		<i>Sahil S.</i>

*127 Makandar Sahil Samir*  
*126 Patil Amruta Raygonda*  
*125 Bachate Reva Balkrishna*  
*124 Davari Visit Rajendra*  
*123 Chougule Yashraj Pravin*  
*122 Awale Sara Rajendra*

**Coordinator,**  
**Department of Chemistry,**  
**Dattajirao Kadam Arts, Science**  
**& Commerce College,**  
**ICHALKARANJI.**



*Head*  
**HEAD,**  
**Department of Chemistry,**  
**Dattajirao Kadam Arts, Science**  
**& Commerce College,**  
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“ज्ञान, विज्ञान आणि सुसंस्कार यासाठी शिक्षणप्रसार”

शिक्षणमहर्षि डॉ. आपूजी बालुंबे

SHRI SWAMI VIVEKANAND SHIKSHAN SANSTHA'S, KOLHAPUR

**Dattajirao Kadam Arts, Science & Commerce College,  
Ichalkaranji.**

**Preparation of Household Chemicals**

**Department of Chemistry**

**Academic year 2022-23**

**Notice**


04/03/2023

All the students who confirmed their admissions to certificate course entitled '**Preparation of Household Chemicals**' are hereby informed that, theory lectures of this course are going to start from date 6<sup>th</sup> march. 2023. All students must be attend lectures. Time table of theory lectures are given below.

Day	Time
Monday	10:15 to 11:00 am
	11.00 to 11.45 am

  
**Co-ordinator**  
**Coordinator,**  
**Department of Chemistry,**  
**Dattajirao Kadam Arts, Science**  
**& Commerce College,**  
**ICHALKARANJI.**



  
**Head, Dept of Chemistry**  
**HEAD,**  
**Department of Chemistry,**  
**Dattajirao Kadam Arts, Science**  
**& Commerce College,**  
**ICHALKARANJI.**

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शि.म.डॉ.छापूजी साळूंखे

श्री दत्ताजी विवेकानंद शिक्षण संस्था, कोल्हापूरचे

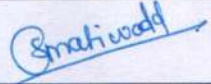
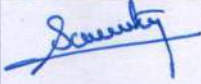

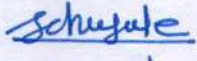
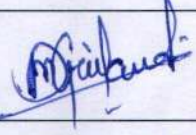

**D.K.A.S.C. College, Ichalkaranji**

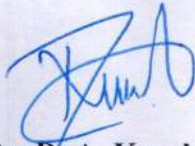
**Department of Chemistry**

**Preparation of Household Chemicals (2022-23)**

**Department of Chemistry**

**Theory work distribution**

Sr.No.	Name of teacher	Topic name	Sign
1	Miss. S.M. Matiwadd	Household chemicals	
2	Miss.S.B. Fadtare	Basic term in household chemicals	
3	Miss.S.S.Pujari	Quantitative Analysis	
4	Miss.J.S.Chougule	cleaning materials	
5	Miss.D.M.Gaikwad	Basic of analytical techniques	
6	Mr.N.H. Waghmare	Phenols	



**Dr. D. A. Kumbhar**

Co-ordinator,

Preparation of Household Chemicals

**Department of Chemistry,**

**Dattajirao Kadam Arts, Science**

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**Dr. A. A. Ghare**

**HEAD,**

**Department of Chemistry,**  
**Dattajirao Kadam Arts, Science**  
**& Commerce College,**  
**ICHALKARANJI.**

Shri Swami Vivekananda Shikshan Sanstha, Kolhapur's  
**Dattajirao Kadam Arts, Science and Commerce**  
**College, Ichalkaranji.**

**Preparation of Household Chemicals**

**2022-23**

**Syllabus distribution of this course**

This course is divided into Theory (Paper-I), Practical's (Paper-II) and Project work. Faculty involved in teaching the course the following faculties of Department of Chemistry have been actively involved in this course.

- Dr. A.A. Ghare
- Dr. D.A. Kumbhar
- Mr. N. H. Waghmare
- Mr. S. R. More
- Miss. S.S. Pujari
- Miss. S.B. Fadtare
- Miss. S.A. Matiwadd

**Time-Table of course**

Date	Time	Name of Teacher	Name of Teacher
06-03-2023	First Lecture 10:00 to 10:50am	NHW( II )	SBF ( I )
10-03-2023		NHW( II )	SRM ( I )
11-03-2023		SBF ( II )	SSP ( I )
13-03-2023		SRM (I)	SBF (II)
17-03-2023		SAM (II)	NHW (I)
18-03-2023		AAG (I)	SBF ( II )
20-03-2023		SSP (II)	AAG ( I )
24-03-2023		SSP (I)	NHW (II)
25-03-2023		SBF (I)	AAG (II)
27-03-2023		DAK(I)	SBF (II)
28-03-2023		DAK(I)	NHW(II)
29-03-2023		SSP(I)	SAM(II)
01-04-2023		NHW (II)	SRM(II)
03-04-2023		SBF(II)	SAM (I)
05-04-2023	Second Lecture 11:00 to 11:50am	SSP(I)	SBF(I)

Paper I – Basic Concepts of Household Chemicals

15 Lect.

Paper II- Mechanism, Precaution, and cleaning action of household chemicals

15 Lect.

Paper III- Practical's

36 Lect.



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SHRI SWAMI VIVEKANAND SHIKSHAN SANSTHA'S, KOLHAPUR  
**Dattajirao Kadam Arts, Science & Commerce College,**  
**Ichalkaranji.**

**Academic year 2022-23**

**DEPARTMENT OF CHEMISTRY**

**(Preparation of Household Chemicals)**


Date: 06/06/2023

## **Notice**

All the students admitted to certificate course entitled '**Preparation of Household Chemicals**' are hereby informed that, practical of this course will be conducted from date 8<sup>th</sup> June 2023 in Chemistry laboratory-1. The practical schedule for the same is given annexure-1. All the students should remain present for the same.

  
Dr. D. A. Kumbhar  
**Coordinator,**  
**Department of Chemistry,**  
**Dattajirao Kadam Arts, Science**  
**& Commerce College,**  
**ICHALKARANJI.**



  
06/06/2023  
Dr. A. A. Ghare  
**HEAD,**  
Department of Chemistry,  
Dattajirao Kadam Arts, Science  
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## Annexure -1

### DEPARTMENT OF CHEMISTRY

#### Preparation of Household Chemicals

#### Practical Schedule

2022-2023

Day And Date	Batch T1 Time (7:30 am to 10:30 am)	Batch T2 Time (10:30 am to 1:30 & 2:00 to 4:00 pm)	Batch T3 Time (2:00 pm to 5:00 pm)	Name of Experiment
08/06/2023	SBF & NHW	-	SAM & NHW	1. Acid strength of Sanitary Acid 2. Preparation of Phenyl. 3. Preparation of Soap. 4. Preparation of Perfume 5. Preparation of Liquid Soap. 6. Preparation of Washing Powder 7. Preparation of Natural Indicator. 8. Saponification of oil. 9. Conductometric Titration – I 10. Conductometric Titration – II 11. Preparation of Sanitizer 12. Preparation of Herbal soap
09/06/2023	SAM & AAG	-	SBF & NHW	
10/06/2023	SBF & DAK	NHW & SBF SAM & DAK		

Dr. D. A. Kumbhar

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Dr. A. A. Ghare

**HEAD,**  
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**Dattajirao Kadam Arts, Science & Commerce College,  
Ichalkaranji.**

**Department Of Chemistry**

Name of Course: Preparation of household chemicals

Practical Attendance

T1 Batch

Sr.No.	Name of students	08/06/2023	08/06/2023	08/06/2023	09/06/2023	09/06/2023	09/06/2023	10/06/2023	10/06/2023	10/06/2023	12/06/2023	12/06/2023	12/06/2023
1	MANE PRAFULLA R.	Pmane	Pmane	Pmane	Pmane	Pmane	Pmane	Pmane	Pmane	Pmane	Pmane	Pmane	Pmane
2	MULLA SULTAN AMIR	Mulla	Mulla	Mulla	Mulla	Mulla	Mulla	Mulla	Mulla	Mulla	Mulla	Mulla	Mulla
3	BOKARE SURESH SURESH	Suresh	Suresh	Suresh	Suresh	Suresh	Suresh	Suresh	Suresh	Suresh	Suresh	Suresh	Suresh
4	BHISE ADRASH CHANDRAKANT	ACBhise	ACBhise	ACBhise	ACBhise	ACBhise	ACBhise	ACBhise	ACBhise	ACBhise	ACBhise	ACBhise	ACBhise
5	PATIL VAISHNAV BAJRANG	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
6	SUTAR MUSKAN KALANDAR	M.k.sutar	M.k.sutar	M.k.sutar	M.k.sutar	M.k.sutar	M.k.sutar	M.k.sutar	M.k.sutar	M.k.sutar	M.k.sutar	M.k.sutar	M.k.sutar
7	DONE PALLAVI SANJAY	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi
8	BELKUDE KHUSHABU PAPALAL	KPB	KPB	KPB	KPB	KPB	KPB	KPB	KPB	KPB	KPB	KPB	KPB
9	MALI VAISHNAVI SURESH	Smali	Smali	Smali	Smali	Smali	Smali	Smali	Smali	Smali	Smali	Smali	Smali
10	GAVALI SANCHI PRASHANT	Sanchi	Sanchi	Sanchi	Sanchi	Sanchi	Sanchi	Sanchi	Sanchi	Sanchi	Sanchi	Sanchi	Sanchi
11	BONGALE NEHA DAYANAND	Bongale	Bongale	Bongale	Bongale	Bongale	Bongale	Bongale	Bongale	Bongale	Bongale	Bongale	Bongale
12	NIRANJAN SUNIL PAWAR	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar
13	PATIL CHAITANYA C.	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
14	RAVAN MANASI RAJARAM	MRB	MRB	MRB	MRB	MRB	MRB	MRB	MRB	MRB	MRB	MRB	MRB
15	RAKSHI SURESH VIJAYKUMAR	Rakshi	Rakshi	Rakshi	Rakshi	Rakshi	Rakshi	Rakshi	Rakshi	Rakshi	Rakshi	Rakshi	Rakshi



16	SANKANNA SHRUTI SANJAY	<u>Sank</u>	<u>Sank</u>	<u>Sank</u>	<u>Sank</u>	<u>Sank</u>	<u>Sank</u>	<u>Sank</u>	<u>Sank</u>	<u>Sank</u>	<u>Sank</u>	<u>Sank</u>	<u>Sank</u>
17	VHANUNGARE SNEHAL VIJAY	<u>Vhanungare</u>	<u>Vhanungare</u>	<u>Vhanungare</u>	<u>Vhanungare</u>	<u>Vhanungare</u>	<u>Vhanungare</u>	<u>Vhanungare</u>	<u>Vhanungare</u>	<u>Vhanungare</u>	<u>Vhanungare</u>	<u>Vhanungare</u>	<u>Vhanungare</u>
18	KAMBLE AMRUTA SUNIL	<u>Ask</u>	<u>Ask</u>	<u>A.S.K</u>	<u>A.S.K</u>	<u>Ask</u>	<u>Ask</u>	<u>A.S.K</u>	<u>Ask</u>	<u>Ask</u>	<u>A.S.K</u>	<u>Ask</u>	<u>Ask</u>
19	BHANDARE KOMAL JINPAL	<u>Komal</u>	<u>Komal</u>	<u>Komal</u>	<u>Komal</u>	<u>Komal</u>	<u>Komal</u>	<u>Komal</u>	<u>Komal</u>	<u>Komal</u>	<u>Komal</u>	<u>Komal</u>	<u>Komal</u>
20	TAMBE PRAJAKTA SAMBHAJI	<u>Ptambe</u>	<u>Ptambe</u>	<u>Ptambe</u>	<u>Ptambe</u>	<u>Ptambe</u>	<u>Ptambe</u>	<u>Ptambe</u>	<u>Ptambe</u>	<u>Ptambe</u>	<u>Ptambe</u>	<u>Ptambe</u>	<u>Ptambe</u>
21	SUTAR RUTUJA MAHADEV	<u>R.M.Sutar</u>	<u>R.M.Sutar</u>	<u>R.M.Sutar</u>	<u>R.M.Sutar</u>	<u>R.M.Sutar</u>	<u>R.M.Sutar</u>	<u>R.M.Sutar</u>	<u>R.M.Sutar</u>	<u>R.M.Sutar</u>	<u>R.M.Sutar</u>	<u>R.M.Sutar</u>	<u>R.M.Sutar</u>
22	VANDRE ASMITA SURESH	<u>Asvandre</u>	<u>Asvandre</u>	<u>Asvandre</u>	<u>Asvandre</u>	<u>Asvandre</u>	<u>Asvandre</u>	<u>Asvandre</u>	<u>Asvandre</u>	<u>Asvandre</u>	<u>Asvandre</u>	<u>Asvandre</u>	<u>Asvandre</u>
23	HALADE SUYASH SADASHIV	<u>Halade</u>	<u>Halade</u>	<u>Halade</u>	<u>Halade</u>	<u>Halade</u>	<u>Halade</u>	<u>Halade</u>	<u>Halade</u>	<u>Halade</u>	<u>Halade</u>	<u>Halade</u>	<u>Halade</u>
24	SHRIGANNAVAR NEHA S.	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>
25	MASKAR SHUBHANGI D.	<u>S</u>	<u>S</u>	<u>S</u>	<u>S</u>	<u>S</u>	<u>S</u>	<u>S</u>	<u>S</u>	<u>S</u>	<u>S</u>	<u>S</u>	<u>S</u>
26	CHOUGULE ADITYA ANIL	<u>Chou</u>	<u>Chou</u>	<u>Chou</u>	<u>Chou</u>	<u>Chou</u>	<u>Chou</u>	<u>Chou</u>	<u>Chou</u>	<u>Chou</u>	<u>Chou</u>	<u>Chou</u>	<u>Chou</u>
27	CHAVAN MAHESH GAJANAN	<u>Chavan</u>	<u>Chavan</u>	<u>Chavan</u>	<u>Chavan</u>	<u>Chavan</u>	<u>Chavan</u>	<u>Chavan</u>	<u>Chavan</u>	<u>Chavan</u>	<u>Chavan</u>	<u>Chavan</u>	<u>Chavan</u>
28	SHELAK SANKET SURESH	<u>Shel</u>	<u>Shel</u>	<u>Shel</u>	<u>Shel</u>	<u>Shel</u>	<u>Shel</u>	<u>Shel</u>	<u>Shel</u>	<u>Shel</u>	<u>Shel</u>	<u>Shel</u>	<u>Shel</u>
29	MORE SOURABH SUBHASH	<u>More</u>	<u>More</u>	<u>More</u>	<u>More</u>	<u>More</u>	<u>More</u>	<u>More</u>	<u>More</u>	<u>More</u>	<u>More</u>	<u>More</u>	<u>More</u>
30	CHAKARE SWATI UDAY	<u>Chakar</u>	<u>Chakar</u>	<u>Chakar</u>	<u>Chakar</u>	<u>Chakar</u>	<u>Chakar</u>	<u>Chakar</u>	<u>Chakar</u>	<u>Chakar</u>	<u>Chakar</u>	<u>Chakar</u>	<u>Chakar</u>
31	SARABI PRACHI SUNIL	<u>P.Sarabi</u>	<u>P.Sarabi</u>	<u>P.Sarabi</u>	<u>P.Sarabi</u>	<u>P.Sarabi</u>	<u>P.Sarabi</u>	<u>P.Sarabi</u>	<u>P.Sarabi</u>	<u>P.Sarabi</u>	<u>P.Sarabi</u>	<u>P.Sarabi</u>	<u>P.Sarabi</u>
32	DESAI SAKSHI SANJAY	<u>S.Desai</u>	<u>S.Desai</u>	<u>S.Desai</u>	<u>S.Desai</u>	<u>S.Desai</u>	<u>S.Desai</u>	<u>S.Desai</u>	<u>S.Desai</u>	<u>S.Desai</u>	<u>S.Desai</u>	<u>S.Desai</u>	<u>S.Desai</u>
33	JADHAV PRASAD RAJARAM	<u>P.R.Jadhav</u>	<u>P.R.Jadhav</u>	<u>P.R.Jadhav</u>	<u>P.R.Jadhav</u>	<u>P.R.Jadhav</u>	<u>P.R.Jadhav</u>	<u>P.R.Jadhav</u>	<u>P.R.Jadhav</u>	<u>P.R.Jadhav</u>	<u>P.R.Jadhav</u>	<u>P.R.Jadhav</u>	<u>P.R.Jadhav</u>
34	UBALE VAIBHAV LALASA'HEB	<u>V.L.Ubale</u>	<u>V.L.Ubale</u>	<u>V.L.Ubale</u>	<u>V.L.Ubale</u>	<u>V.L.Ubale</u>	<u>V.L.Ubale</u>	<u>V.L.Ubale</u>	<u>V.L.Ubale</u>	<u>V.L.Ubale</u>	<u>V.L.Ubale</u>	<u>V.L.Ubale</u>	<u>V.L.Ubale</u>
35	PARIT SAYALI RAJENDRA	<u>S.Parit</u>	<u>S.Parit</u>	<u>S.Parit</u>	<u>S.Parit</u>	<u>S.Parit</u>	<u>S.Parit</u>	<u>S.Parit</u>	<u>S.Parit</u>	<u>S.Parit</u>	<u>S.Parit</u>	<u>S.Parit</u>	<u>S.Parit</u>



[illegible]

36	ROHINI ANNASO SUTAR	<u>Rohini</u>	<u>Rohini</u>	<u>Rohini</u>	<u>Rohini</u>	<u>Rohini</u>	<u>Rohini</u>	<u>Rohini</u>	<u>Rohini</u>	<u>Rohini</u>	<u>Rohini</u>	<u>Rohini</u>	<u>Rohini</u>	<u>Rohini</u>
37	AKANKSHA GUNAJI DESAI	<u>Akanksha</u>	<u>Akanksha</u>	<u>Akanksha</u>	<u>Akanksha</u>	<u>Akanksha</u>	<u>Akanksha</u>	<u>Akanksha</u>	<u>Akanksha</u>	<u>Akanksha</u>	<u>Akanksha</u>	<u>Akanksha</u>	<u>Akanksha</u>	<u>Akanksha</u>
38	SHWETA PRAKASH DHANGAR	<u>Shweta</u>	<u>Shweta</u>	<u>Shweta</u>	<u>Shweta</u>	<u>Shweta</u>	<u>Shweta</u>	<u>Shweta</u>	<u>Shweta</u>	<u>Shweta</u>	<u>Shweta</u>	<u>Shweta</u>	<u>Shweta</u>	<u>Shweta</u>
39	SHRAVANI SANJAY. D.	<u>Shravani</u>	<u>Shravani</u>	<u>Shravani</u>	<u>Shravani</u>	<u>Shravani</u>	<u>Shravani</u>	<u>Shravani</u>	<u>Shravani</u>	<u>Shravani</u>	<u>Shravani</u>	<u>Shravani</u>	<u>Shravani</u>	<u>Shravani</u>
40	RUSHIKESH ANKUSH GIRI	<u>Rushikesh</u>	<u>Rushikesh</u>	<u>Rushikesh</u>	<u>Rushikesh</u>	<u>Rushikesh</u>	<u>Rushikesh</u>	<u>Rushikesh</u>	<u>Rushikesh</u>	<u>Rushikesh</u>	<u>Rushikesh</u>	<u>Rushikesh</u>	<u>Rushikesh</u>	<u>Rushikesh</u>
41	BHARATI MARUTI HATKAR	<u>Bharati</u>	<u>Bharati</u>	<u>Bharati</u>	<u>Bharati</u>	<u>Bharati</u>	<u>Bharati</u>	<u>Bharati</u>	<u>Bharati</u>	<u>Bharati</u>	<u>Bharati</u>	<u>Bharati</u>	<u>Bharati</u>	<u>Bharati</u>
42	BHAGAT TEJSWINI GUNIDAS	<u>T. Bhagat</u>	<u>T. Bhagat</u>	<u>T. Bhagat</u>	<u>T. Bhagat</u>	<u>T. Bhagat</u>	<u>T. Bhagat</u>	<u>T. Bhagat</u>	<u>T. Bhagat</u>	<u>T. Bhagat</u>	<u>T. Bhagat</u>	<u>T. Bhagat</u>	<u>T. Bhagat</u>	<u>T. Bhagat</u>

43. Prasad Balu Kadam Balu Balu Balu Balu Balu Balu Balu Balu Balu Balu Balu Balu Balu Balu Balu

44. Pramod Jaypal Kamble Kamble Kamble Kamble Kamble Kamble Kamble Kamble Kamble Kamble Kamble Kamble Kamble Kamble Kamble Kamble

45. Soniya Dashrath Borade. S. D. Borade. S. D. Borade. S. D. Borade.  
S. D. Borade. S. D. Borade. S. D. Borade.  
S. D. Borade. S. D. Borade. S. D. Borade.



Atk  
**HEAD,**  
**Department of Chemistry,**  
**Dattajirao Kadam Arts, Science**  
**& Commerce College,**  
**ICHALKARANJI.**

# T3 Batch

Sr.no	Name of Students													
1.	KIRTI SHRINAPPA YARPALLI	Kirti	Kirti	Kirti	Kirti	Kirti	Kirti	Kirti	Kirti	Kirti	Kirti	Kirti	Kirti	Kirti
2.	RUTUJA BALAJI VANMORE	R.B.V.	R.B.V.	R.B.V.	R.B.V.	R.B.V.	R.B.V.	R.B.V.	R.B.V.	R.B.V.	R.B.V.	R.B.V.	R.B.V.	R.B.V.
3.	NIKITA RAVSAHEB PATIL	N.Patil	N.Patil	N.Patil	N.Patil	N.Patil	N.Patil	N.Patil	N.Patil	N.Patil	N.Patil	N.Patil	N.Patil	N.Patil
4.	ASHITOSH ANIL GANGDHAR	ADG	ADG	ADG	ADG	ADG	ADG	ADG	ADG	ADG	ADG	ADG	ADG	ADG
5.	SANDHYA UMESH GAYKWAD	Saikwad	Saikwad	Saikwad	Saikwad	Saikwad	Saikwad	Saikwad	Saikwad	Saikwad	Saikwad	Saikwad	Saikwad	Saikwad
6.	RUTWIK BHARAT PATIL	Rutwik	Rutwik	Rutwik	Rutwik	Rutwik	Rutwik	Rutwik	Rutwik	Rutwik	Rutwik	Rutwik	Rutwik	Rutwik
7.	SARTHAK SUNIL CHIGARE	S.Chigare	S.Chigare	S.Chigare	S.Chigare	S.Chigare	S.Chigare	S.Chigare	S.Chigare	S.Chigare	S.Chigare	S.Chigare	S.Chigare	S.Chigare
8.	ROHAN RAJU NAIK	Raich	Raich	Raich	Raich	Raich	Raich	Raich	Raich	Raich	Raich	Raich	Raich	Raich
9.	VISHNU RUBAN JAWALE	V.Jawale	V.Jawale	V.Jawale	V.Jawale	V.Jawale	V.Jawale	V.Jawale	V.Jawale	V.Jawale	V.Jawale	V.Jawale	V.Jawale	V.Jawale
10.	YASH GORAKH LOTAKE	Y.Lotake	Y.Lotake	Y.Lotake	Y.Lotake	Y.Lotake	Y.Lotake	Y.Lotake	Y.Lotake	Y.Lotake	Y.Lotake	Y.Lotake	Y.Lotake	Y.Lotake
11.	SACHIN SANTOSH KHOT	S.Khot	S.Khot	S.Khot	S.Khot	S.Khot	S.Khot	S.Khot	S.Khot	S.Khot	S.Khot	S.Khot	S.Khot	S.Khot
12.	DEEPAK MARUTI RAYKAR	D.M.Raykar	D.M.Raykar	D.M.Raykar	D.M.Raykar	D.M.Raykar	D.M.Raykar	D.M.Raykar	D.M.Raykar	D.M.Raykar	D.M.Raykar	D.M.Raykar	D.M.Raykar	D.M.Raykar
13.	SOURABH DAYANAND WALKAR	S.Walkar	S.Walkar	S.Walkar	S.Walkar	S.Walkar	S.Walkar	S.Walkar	S.Walkar	S.Walkar	S.Walkar	S.Walkar	S.Walkar	S.Walkar
14.	PRAMOD JAYPAL KAMBLE	P.Kamble	P.Kamble	P.Kamble	P.Kamble	P.Kamble	P.Kamble	P.Kamble	P.Kamble	P.Kamble	P.Kamble	P.Kamble	P.Kamble	P.Kamble
15.	RUTUJA VASANT KAMBLE	R.Kamble	R.Kamble	R.Kamble	R.Kamble	R.Kamble	R.Kamble	R.Kamble	R.Kamble	R.Kamble	R.Kamble	R.Kamble	R.Kamble	R.Kamble
16.	SUSHANT BAJIRAO PARIT	S.Parit	S.Parit	S.Parit	S.Parit	S.Parit	S.Parit	S.Parit	S.Parit	S.Parit	S.Parit	S.Parit	S.Parit	S.Parit
17.	SURAJ DURYODHAN SHINDE	S.Shinde	S.Shinde	S.Shinde	S.Shinde	S.Shinde	S.Shinde	S.Shinde	S.Shinde	S.Shinde	S.Shinde	S.Shinde	S.Shinde	S.Shinde
18.	KAMBLE DINBHUSHAN DILIP	D.Kamble	D.Kamble	D.Kamble	D.Kamble	D.Kamble	D.Kamble	D.Kamble	D.Kamble	D.Kamble	D.Kamble	D.Kamble	D.Kamble	D.Kamble
19.	MONIN SHAHIR NAVED	M.Naved	M.Naved	M.Naved	M.Naved	M.Naved	M.Naved	M.Naved	M.Naved	M.Naved	M.Naved	M.Naved	M.Naved	M.Naved
20.	GOURAV SHRIKANT RATANKAR	G.Ratankar	G.Ratankar	G.Ratankar	G.Ratankar	G.Ratankar	G.Ratankar	G.Ratankar	G.Ratankar	G.Ratankar	G.Ratankar	G.Ratankar	G.Ratankar	G.Ratankar



HEAD,  
Department of Chemistry,  
Jattajirao Kadam Arts, Science  
& Commerce College,  
ICHALKARANJI.

[illegible]

“ज्ञान, विज्ञान आणि सुसंस्कार यासाठी शिक्षणप्रसार”  
शिक्षणमहर्षि डॉ. आपूजी साळुंखे

SHRI SWAMI VIVEKANAND SHIKSHAN SANSTHA'S, KOLHAPUR

Dattajirao Kadam Arts, Science & Commerce College, Ichalkaranji.

Academic year 2022-23

## Notice

All the students of course '**Preparation of Household Chemicals**' are hereby informed that, **Theory examination** of this course is scheduled as below. All the students must remain present for theory examination on scheduled time. There is no provision of Re-examination.

Date	Time	Paper
14/06/2023	11:00am to 12:00 pm	Paper-I
	12:00 pm to 1:00 pm	Paper-II



*Adh*  
12/06/23

**HEAD,**  
Department of Chemistry,  
Dattajirao Kadam Arts, Science  
& Commerce College,  
ICHALKARANJI.

“ज्ञान, विज्ञान आणि सुसंस्कार यासाठी शिक्षणप्रसार”  
-शिक्षणमहर्षि डॉ. बापूजी भावुंखे

SHRI SWAMI VIVEKANAND SHIKSHAN SANSTHA, KOLHAPUR'S  
D.K.A.S.C. COLLEGE, ICHALKARANJI

Department Of Chemistry  
Preparation of Household Chemicals

Paper-I

Date- 14/06/2023

Time: 1 Hours

Marks: 30

**Q.1] select the most correct alternative form the following and rewrite the sentence.**

- 1) The no of gram equivalents present in one litre of solution then it is called as .....  
a) Normality      b) Molarity      c) Molality      d) ppm
- 2) The no of moles present in one litre of solution then it is called as.....  
a) Molality      b) Normality      c) Molal      d) Molarity
- 3) The no of moles present in 1000gram of solvent then it is called as.....  
a) Molality      b) Molarity      c) Equivalent weight      d) Normality
- 4) ..... is a acid base indicator  
a) Methyl red      b) methyl orange      c) phenolphthalein      d) All of these
- 5) Phenolphthalein indicator gives ..... colour in basic medium  
a) Orange      b) green      c) pink      d) colourless
- 6) ..... indicator is used for Complexometric titration  
a) Eriochrome black T      b) methyl red      c) phenolphthalein      d) none
- 7) ..... is the household chemical used for domestic purpose  
a) Washing powder      b) liquid soap      c) Soap      d) All of these
- 8) Lysol, Dettol, Savlon are the examples of.....  
a) Liquid soap      b) Sanitizer      c) perfume      d) herbal soap
- 9) Ethyl alcohol and isopropyl alcohol are the examples of .....  
a) Disinfectants      b) Antiseptic      c) Both a and b      d) None
- 10) Distillation is the process used for.....  
a) Purification      b) Separation      c) Both a and b      d) None

**Q. 2] Attempt Any Two of the Following**

**10 Marks**

- 1) Explain the terms Normality and Molarity
- 2) Write a short note on mole fraction
- 3) Write a short note on Disinfectant and antiseptic

**Q. 3] Attempt Any One of the Following**

**10 Marks**

- 1) Explain in brief different types of acid base titrations
- 2) Explain Distillation and crystallization process with suitable Diagram.



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D.K.A.S.C. COLLEGE, ICHALKARANJLI.  
Department Of Chemistry  
Preparation of Household Chemicals  
Paper-II

Date- 14/06/2023

TIME: 1 Hours  
MARKS: 30

**Q.1] select the most correct alternative form the following and rewrite the sentence.**

i) Deriphat is an..... detergent.

- a) Anionic      b) Cationic      c) Ampholytic      d) Neutral

ii) The general formula of phenol is.....

- a) R-OH      b) R-O-R      c) Ar-OH      d) Ar-SH

iii)..... alkali is used in saponification reaction.

- a) NaCl      b) NaOH      c) H<sub>2</sub>O      d) HCl

iv) Rock salt (NaCl) is used for..... of soap.

- a) separation      b) Filtration      c) Softening      d) Hardening

v) Shaving soap is mixed soap containing.....

- a) Glycerol      b) Excess of satiric acid      c) excess of oil      d) all of these

vi) How many hydroxyl groups are present in diols?

- a) One      b) Two      c) Three      d) Four

vii) Hard soaps are formed by.....

- a) Grease      b) Tallow      c) Linseed Oil      d) none

viii) Soap is ... molecule

- a) Hydrophilic      b) basic hydrophobic      c) amphipathic      d) none

ix).... is non-saponifying alkali

- a) NaOH      b) KOH      c) Ethanol amine      d) none of these

x) Cleansing action of soaps due to it's..... nature.

- a) Hydrophilic      b) basic hydrophobic      c) amphipathic      d) none



**Q. 2] Answer any two of the following**

- i) Explain the function of soap as a cleansing agent.
- ii) Describe Alkylation reaction of Phenol.
- iii) Raw materials are used in making of soap.

**Q.3] Attempt any One of the following**

- 1) Explain preparation method of soap.
- 2) Explain the different types of detergent.



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**SHRI SWAMI VIVEKANAND SHIKSHAN SANSTHA, KOLHAPUR'S**

**D.K.A.S.C. COLLEGE, ICHALKARANJI.**

**Department Of Chemistry**

**Practical Exam**

**Preparation of Household Chemicals**

**Date- 13/06/2023**

**TIME: 2 Hours**

**MARKS: 40**

**Q.1 Perform Any Two Experiments.**

**30 Marks**

1. Acid strength of sanitary acid
2. Preparation of Phenyl
3. To prepare soap from oil by cold process.
4. Saponification of oil.
5. Preparation of natural indicator.
6. Preparation of liquid soap.
7. Preparation of washing powder.
8. Conductometry Titration – I
9. Conductometry Titration – II
10. Preparation of perfume
11. Preparation of Herbal Soap.
12. Preparation of Hand Sanitizer.

**Q.2 Journal**

**05 Marks**

**Q.3 Oral**

**05 Marks**



# PREPARATION OF HOUSEHOLD CHEMICALS

2022-2023

## Objectives:

1. To make availability of self employment.
2. To make confidence for doing job.
3. To develop skills required for job.
4. To develop skills of market survey.
5. To develop knowledge of household chemicals.

## Course Duration-03

## Syllabus

[30 marks]

### Paper: I-Basic concept of Analytical chemistry

#### Unit: I cleaning materials

[15 Marks]

- 1.1 Introduction of soaps
- 1.2 Theory of types
- 1.3 Raw materials
- 1.4 Types of soaps
- 1.5 Manufacture of soaps
- 1.6 Cleaning action of soaps
- 1.7 Introduction of soaps
- 1.8 Raw materials
- 1.9 Types of detergents, cationic, Anionic, Amphoteric and neutral
- 1.10 Preparation of Teepol and Deriphath
- 1.11 Comparison between Soaps

#### Unit: II Basic term in household chemicals

[05 marks]

- 2.1 Mole concept
- 2.2 Concentrations
- 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 Quantitative Analysis

[05 marks]

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



**Unit: I Household chemicals**

**[10 Marks]**

- 1.1 Introduction of household chemicals or domestic chemicals
- 1.2 Sanitary acids
- 1.3 Phenyl
- 1.4 Liquid sops :Lysol, Dettol, Savlon
- 1.5 Acids-bases
- 1.6 General introduction
- 1.7 Theory
- 1.8 Types and strength of acids
- 1.9 Cleaning action of acid, handling and precaution
- 1.10Antiseptic and Disinfectant

**Unit II: Phenols**

- 2.1 Introduction of phenol
- 2.2 Methods of synthesis of phenols
- 2.3 Physical properties
- 2.4 Chemical properties
- 2.5 Uses

**[10Marks]**

**Unit: III Basic of analytical techniques**

- 3.1 Purification of solids
- A) Crystallization:- preparation of saturation solution, hot  
Filtration, cooling of filtrate, filtration
- B) Distillation;- simple distillation

**[10Marks]**

**Paper-III:-Practical's**

- 1) Volumetric titration (2)
- 2) Conduct metric titration (2)
- 3) Preparation of standard solutions (2)
- 4) Preparation of chromic acid
- 5) Preparation of Phenyls
- 6) Preparation of dyes
- 7) Preparation of soaps
- 8) Determination of soaps value of an oil
- 9) Preparation and uses of Natural indicators
- 10) Project Work



  
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Shri Swami Vivekananda Shikshan Sanstha's, Kolhapur's

Dattajirao Kadam Arts, Science and Commerce College, Ichalkaranji

Department of Chemistry

Preparation of household chemicals 2022-2023

COC Result


Sr. no.	Name of Students	Paper- I Out of 30	Paper- II Out of 30	Practical Out of 40	Total Out of 100	Grade
1.	AMBI DHANANJAY SUNIL	22	19	32	73	A <sup>+</sup>
2.	BATUNGE ARATI DILIP	22	18	32	72	A <sup>+</sup>
3.	BHAGAT TEJASWINI GURUDAS	20	17	32	69	A
4.	BHISE ADRASH CHANDRAKANT	21	17	30	68	A
5.	BONGALE NEHA DAYANAND	22	19	32	73	A <sup>+</sup>
6.	CHAVAN DIGAMBAR SAGAR	22	18	32	72	A <sup>+</sup>
7.	CHAVAN MAHESH GAJANAN	20	17	32	69	A
8.	DAVARI VIJIT RAJENDRA	21	17	30	68	A
9.	DHANGAR SHWETA PRAKASH	19	23	35	77	A <sup>+</sup>
10.	DHATUNDE SHRAVANI SANJAY	17	22	34	73	A <sup>+</sup>
11.	DHOKARE RUTIK DASHRATH	24	19	28	71	A <sup>+</sup>
12.	GAVALI SANCHI PRASHANT	24	19	28	71	A <sup>+</sup>
13.	GIRI RUSHIKESH ANKUSH	24	20	28	72	A <sup>+</sup>
14.	HALADE SUYASH SADASHIV	26	20	25	71	A <sup>+</sup>
15.	JADHAV AJAY SAMBHAJI	26	21	31	78	A <sup>+</sup>
16.	KAMBLE AMRUTA SUNIL	25	21	32	78	A <sup>+</sup>
17.	KAMBLE DINBHUSHAN DILIP	19	22	35	76	A <sup>+</sup>
18.	KAMBLE PRAMOD JAYPAL	19	23	35	77	A <sup>+</sup>
19.	KAMBLE SANCHITA SACHIN	18	23	34	75	A <sup>+</sup>
20.	KOKANE SUDARSHAN SANJAY	17	22	34	73	A <sup>+</sup>
21.	KUMBHAR SNEHAL BAJARANG	17	25	33	75	A <sup>+</sup>
22.	LOTAKE YASH GORAKH	25	25	33	83	A <sup>+</sup>
23.	MALI VAISHNAV I SURESH	18	25	32	75	A <sup>+</sup>
24.	MANE PRAFULLA RAJENDRAKUMAR	19	20	32	71	A <sup>+</sup>
25.	MUJAWAR SIMRAN SARDAR	19	20	32	71	A <sup>+</sup>
26.	PARIT SAYAL I RAJENDRA	20	20	30	70	A <sup>+</sup>
27.	PARIT SUSHANT BABASO	20	19	30	69	A
28.	PATIL AMRUTA RAYGONDA	21	20	29	70	A <sup>+</sup>
29.	PATIL HARISH RAMESH	17	22	34	73	A <sup>+</sup>
30.	PATIL TEJASHRI RAMCHANDRA	18	25	32	75	A <sup>+</sup>
31.	PATIL VAISHNAV BAJRANG	19	20	32	71	A <sup>+</sup>
32.	POWAR RAHUL PARASHRAM	19	20	32	71	A <sup>+</sup>
33.	PUJARI KRUSHNA YOGESH	22	17	32	71	A <sup>+</sup>
34.	RAYKAR DEEPAK MARUTI	25	17	35	77	A <sup>+</sup>
35.	ROY AMAR SANJAY	25	19	33	76	A <sup>+</sup>
36.	SANKANNA SHRUTI SANJAY	25	18	32	75	A <sup>+</sup>
37.	SARABI PRACHI SUNIL	20	18	32	70	A <sup>+</sup>
38.	SHELAKE SANKET SURESH	20	19	32	71	A <sup>+</sup>
39.	SHETAKE SHUBHAM SATAPPA	20	18	32	70	A <sup>+</sup>



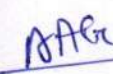
40.	SHRIGANNAVAR NEHA SUKUMAR	18	25	32	75	A <sup>+</sup>
41.	SUTAR MUSKAN KALANDAR	19	20	32	71	A <sup>+</sup>
42.	VADAGE PRATIK ASHOK	19	20	32	71	A <sup>+</sup>
43.	VHANUNGARE SNEHAL VIJAY	17	22	36	75	A <sup>+</sup>
44.	WALKAR SOURABH DAYANAND	17	21	36	74	A <sup>+</sup>
45.	AMANE GIRISH UDAY	17	22	36	75	A <sup>+</sup>
46.	AWALE SARA RAJENDRA	17	21	35	73	A <sup>+</sup>
47.	BACHATE REVA BALKRUSHNA	17	22	32	71	A <sup>+</sup>
48.	BELKUDE KHUSHABU PAPALAL	19	23	32	74	A <sup>+</sup>
49.	BHANDARE KOMAL JINPAL	19	23	36	78	A <sup>+</sup>
50.	BHANDARE KOMAL SUNIL	18	26	33	77	A <sup>+</sup>
51.	BOKARE SEJAL SURESH	19	26	33	78	A <sup>+</sup>
52.	BORADE SONIYA DASHARATH	18	25	32	75	A <sup>+</sup>
53.	CHAKARE SWATI UDAY	23	19	29	71	A <sup>+</sup>
54.	CHIGARE SARTHAK SUNIL	23	20	32	75	A <sup>+</sup>
55.	CHOUGULE ADITYA ANIL	22	19	30	71	A <sup>+</sup>
56.	CHOUGULE YASHRAJ PRAVIN	23	19	29	71	A <sup>+</sup>
57.	DESAI AKANKSHA GUNAJI	18	26	33	77	A <sup>+</sup>
58.	DESAI SAKSHI SANJAY	19	26	33	78	A <sup>+</sup>
59.	DONE PALLAVI SANJAY	21	18	31	70	A <sup>+</sup>
60.	GAIKWAD SANDHYA UMESH	22	19	30	71	A <sup>+</sup>
61.	GAIKWAD S NEHA SANJAY	24	22	36	82	A <sup>+</sup>
62.	GANGADHAR ASHITOSH ANIL	24	21	36	81	A <sup>+</sup>
63.	GHORPADE AKASH SARJERAO	25	20	32	77	A <sup>+</sup>
64.	HATKAR BHARATI MARUTI	24	21	36	81	A <sup>+</sup>
65.	JADHAV PRASAD RAJARAM	24	21	36	81	A <sup>+</sup>
66.	JADHAV SANKET BALU	20	22	30	72	A <sup>+</sup>
67.	JAWALE VISHNU RUBAN	19	23	32	74	A <sup>+</sup>
68.	KADAM PRASAD BALU	19	23	31	73	A <sup>+</sup>
69.	KAMBAL E DHANASHRI DHONDIRAM	18	22	31	71	A <sup>+</sup>
70.	KAMBLE RUTUJA VASANT	19	25	31	75	A <sup>+</sup>
71.	KANERE SNEHAL VILAS	21	25	30	76	A <sup>+</sup>
72.	KHARWAR ABHISHEK RAVINDRA	22	25	30	77	A <sup>+</sup>
73.	KHOT RUTUJA BABAN	21	20	29	70	A <sup>+</sup>
74.	KHOT SACHIN SANTOSH	21	20	29	70	A <sup>+</sup>
75.	KUMBHAR ANIL APPASO	19	25	32	76	A <sup>+</sup>
76.	KUMBHAR APARNA SANJAY	21	18	31	70	A <sup>+</sup>
77.	KUMBHAR DHANASHRI KRISHNA	22	21	25	68	A
78.	KUMBHAR VEERKUMAR MOHAN	20	18	31	69	A
79.	KURADE SOURABH TUKARAM	21	18	31	70	A <sup>+</sup>
80.	KUSANE PRAKASH KIRAN	21	17	32	70	A <sup>+</sup>
81.	LAVATE PAVAN APPA	22	17	33	72	A <sup>+</sup>
82.	LOKARE SURAJ SAKHARAM	15	17	32	64	A
83.	MAGDUM AKHIL NANDKUMAR	19	17	31	67	A
84.	MAGDUM HARSHVARDHAN SANJAY	19	19	31	69	A
85.	MAGDUM PRATHAMESH UMESH	19	18	30	67	A
86.	MAKANDAR SAHIL SAMIR	18	18	30	66	A
87.	MANDAVKAR ANIKET SANJAY	19	19	25	61	A
88.	MASKAR SHUBHANGI DATTATRAY	17	18	29	64	A
89.	MINCHE SHITAL SANJAY	20	22	25	67	A



90.	MOHITE PRATIKSHA SANTOSH	21	23	26	70	A <sup>+</sup>
91.	MOMIN NAVED SHAHIR	20	21	28	69	A
92.	MORE SOURABH SUBHASH	19	21	25	65	A
93.	MUJAWAR SIFA MANSUR	19	21	27	67	A
94.	MULLA RAHEELABANU SAYEEDAHAMAD	20	22	28	70	A <sup>+</sup>
95.	MULLA SULTAN AMIRHAMZA	18	21	28	67	A
96.	NAIK ROHAN RAJU	18	22	26	66	A
97.	PATANKAR GOURAV SHRIKANT	19	21	25	65	A
98.	PATIL ARPITA PRAKASH	19	21	27	67	A
99.	PATIL CHAITANY CHANDRAKANT	20	22	28	70	A <sup>+</sup>
100.	PATIL NIKHIL NITIN	21	24	31	76	A <sup>+</sup>
101.	PATIL NIKITA RAVSAHEB	25	18	32	75	A <sup>+</sup>
102.	PATIL RAJVARDHAN EKNATH	25	19	32	76	A <sup>+</sup>
103.	PATIL RUTVIK BHARAT	24	19	31	74	A <sup>+</sup>
104.	PATIL SUHAS SHITAL	24	19	31	74	A <sup>+</sup>
105.	PATIL SUSHOBHAN SHIVAJI	25	18	32	75	A <sup>+</sup>
106.	PATIL SWARUP SARJERAO	24	19	32	75	A <sup>+</sup>
107.	PATIL VRUSHABH PRAVIN	26	21	32	79	A <sup>+</sup>
108.	PAWAR NIRANJAN SUNIL	21	23	31	75	A <sup>+</sup>
109.	RAKSHE SNEHAL VIJAYKUMAR	22	21	29	72	A <sup>+</sup>
110.	RAVAN MANASI RAJARAM	21	21	32	74	A <sup>+</sup>
111.	SAKATE SURAJ SUNIL	20	20	31	71	A <sup>+</sup>
112.	SAWANT NANDINI ANKUSH	21	26	31	78	A <sup>+</sup>
113.	SHATAPNAVAR SARASWATI IRANNA	22	26	32	80	A <sup>+</sup>
114.	SHEETE PRATIK AVINASH	21	25	25	71	A <sup>+</sup>
115.	SHINDE SURAJ DURYODHAN	21	19	26	66	A <sup>+</sup>
116.	SUTAR ROHINI ANNASO	20	19	25	64	A
117.	SUTAR RUTUJA MAHADEV	20	18	26	64	A
118.	SUTAR VAISHNAVI DILIP	19	20	32	71	A <sup>+</sup>
119.	TAMBE PRAJAKTA SAMBHAJI	19	21	32	72	A <sup>+</sup>
120.	TONE RAMESH KAKASAHEB	20	21	33	74	A <sup>+</sup>
121.	UBALE VAIBHAV LALASAHEB	26	21	32	79	A <sup>+</sup>
122.	VADAGE YALGONDA RAMCHANDRA	25	22	30	77	A <sup>+</sup>
123.	VANDRE ASMITA SURESH	18	19	31	68	A
124.	VANMORE RUTUJA BALAJI	19	20	32	71	A <sup>+</sup>
125.	VASUDEV LAXMIKANT SHRIKANT	19	20	32	71	A <sup>+</sup>
126.	YALLAPNNAVAR BHAGYASHRI APPASO	19	21	32	72	A <sup>+</sup>
127.	YARPALLI KIRTI SHARNAPPA	20	21	33	74	A <sup>+</sup>

  
Dr. D. A. Kumbhar  
Co-ordinator



  
Dr. A. A. Ghare  
**HEAD,**  
Department of Chemistry,  
Dattajirao Kadam Arts, Science  
& Commerce College,  
ICHALKARANJI.

"Dissemination of Education for Knowledge, Science and Culture"  
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Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's  
**Dattajirao Kadam Arts, Science & Commerce**  
**College, Ichalkaranji, District: - Kolhapur**  
(Affiliated to Shivaji University, Kolhapur)



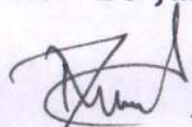
**Certificate Course in Preparation of Household Chemicals**

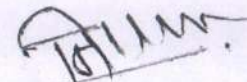
**Shri/Smt Dhanashri Krishna Kumbhar**

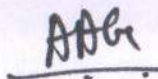
**Exam: June 2023**

Seat No.	Paper I	Paper II	Paper III	Grand Total	Percentage	Grade	Remark
182	Theory	Theory	Practical				
Maximum Marks	30	30	40	100	68 %	A	Pass
Minimum for Passing	11	11	13	35			
Marks Obtained	22	21	25	68			

**Date: - 23 June 2023**

  
**Dr. D. A. Kumbhar**  
Coordinator

  
**Mr. N. H. Waghmare**  
Co-Coordinator

  
**Dr. A. A. Ghare**  
H. O. D.  
Department of Chemistry





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# Certificate


This is to certify that **Mr./Miss. Done Pallavi Sanjay** has  
attended the certificate course in "*Preparation of Household  
Chemicals*" from **February 2023** to **May 2023** and completed  
the course satisfactorily in **A<sup>+</sup>** grade.

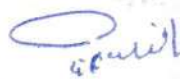
**Date:- 5<sup>th</sup> July 2023**

  
**Dr. D. A. Kumbhar**  
Coordinator



  
**Mr. N. H. Waghmare**  
Co-Coordinator

  
**Dr. A. A. Ghare**  
H. O. D.  
Department of Chemistry

  
**Dr. A. N. Patil**  
Principal  
**Principal,**  
**D.K.A.S.C. College,**  
**Ichalkaranji**