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 2024-25. So hereby we are requesting you to permit us to conduct the said course in the academic year 2024-25.

Thanking You,

DAMA ICHALKARAN

Yours Sincerely,

(Dr. D. A. Kumbhar) HEAD, Department of Chemistry, Dattajirao Kadam Arts, Science & Commerce College, ICHALKARANJI.



### Sanction of BOS Committee

Date: 16/12/2024

To,

The Principal,

Dattajirao Kadam Arts, Science & Commerce College, Ichalkaranji.

Subject: Regarding sanction to Board of Studies for Career Oriented Course

Respected Sir,

It's my pleasure to inform you that, in the academic year 2024-25 our department is going to conduct a Career Oriented Course entitled "Preparation of Household Chemicals" for B.Sc. III Chemistry students. This course will be beneficial to our students. The duration of this course is 30 hours. For this course our department is decided to form the Board of Studies as follows:

Chairman: Dr. S. M. Maner (Principal)

Internal Member: Dr. D. A. Kumbar (Convenor)

Internal Member: Mr. N. H. Waghmare

External Member: Dr. R. H. Atigre (Peth Wadgaon College)

Industry Expert: Mr. Pradeep S. Asliya,

Address: Innovate Infotech 9/169, New Industrial Estate, Ichalkaranji-416115 So please sanction the mentioned B.O.S

Thanking You.



Yours faithfully

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





Dissemination of Education for Knowledge, Science & Culture" - Shikshanmaharshi Dr. Bapuji Salunkne Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's

### 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 ~ एघएससी/०७/वीस/एकवीस, दि.६-५-१९७६ Jr. Index No. J-23.06.001

and a second sec	Founder Stakshanmahamshi Dr. Bepugi Sabarakhe D.La.	President Hon. Chundrakant (Dada) Patil Miniater, Higher and Technical Education, Gev of Mahazastura	Chairman Hon, Prin, Abhaykumar Balunithe M.A	Secretary Hun, Prin: Mrs. Shattared Grande M.Sc., B.Ed	Principal Dr. S. M. Maner M.A. M.Phil., Ph.D
- martin	Outward No. , DKASC / 之行开存	町12024-25		Date 1612	-12024

### **Invitation** Letter

To,

Mr. Pradeep S. Asliya Innovate Infotech 9/169, New Industrial Estate, Ichalkaranji-416115

Subject: Regarding appointment of Member of Board of Studies for COC

Respected Sir,

It gives me pleasure to inform you that, you have been appointed as a Member of Board of Studies for Career Oriented Course entitled "Preparation of Household Chemicals" which is introduced for B.Sc. III students from the academic year 2024-25.

Please convey your acceptance for the same.

Thanking You.



Yours faithfully

Dr. S. M. Maner

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





Dissemination of Education for Knowledge, Science & Culture" - Shikshanmaharshi Dr. Bapuji Salunkhe Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's

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 Founder Shikatuanmaharshi Dr. Bapuji Salunidhe D Lit	President Hon, Chanthakant (Doda) Patil Meister, Higher and Technical Education, Gev of Maharastara	Chairman Hon, Prin, Abitusykumer Salenkine M.A	Secretary Hos. Prin: Mrs. Statistican Grands M Sc. B Ed	Principal Dr. S. M. Manter M.A. M.Phil., Ph.D
Outward No. DKASC / 3778	F   2024-25		Date. 14):	212024

### **Invitation Letter**

To,

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Dr. R. H. Atigre Associate Professor, Shri Vijaysinh Yadav College, Peth Vadgaon

Subject: Regarding appointment of Member of Board of Studies for COC

Respected Sir,

It gives me pleasure to inform you that, you have been appointed as a Member of Board of Studies for Career Oriented Course entitled "**Preparation of Household Chemicals**" which is introduced for B.Sc. III students from the academic year 2024-25.

Please convey your acceptance for the same.

Thanking You.



Yours faithfully

Dr. S. M. Maner

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





Dissemination of Education for Knowledge, Science & Culture - Shikshanmaharshi Dr. Bapui Salunkhe Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's

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



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Founder Shekshanmaharatis Dr. Bapup Safonkhu D Lit	President Ron: Chandrakant (Danat Patt) Minister Higher and Technical Education, Gov of Maharashtra	Chairman Hiss, Pris, Abhaykonar Sabiskhin M.A.	Secretary Han Prin Mrs. Shuthared Gasender M Sc., B Ed	Procept On S. M. Manuer M.A. M.Phill, Ph.D

Outward No. DKASC /

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Notice

All the members of the Board of Studies of **Preparation of Household chemicals** of Dattajirao Kadam Arts, Science and Commerce College, Ichalkaranji are hereby informed that the first meeting of the B.O.S. is scheduled on Monday, 17<sup>th</sup> December, 2024 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 chemicals required as per practical syllabus.
- 4) Any other matter with the permission of the Chair.

. Kumbhar

Dr. D. A. Kumbhar HEAD, Department of Chomistry. Dattajirao Kadam Arts, Science & Commerce College, ICHALKARANJI.



Date

Dr. S. M. Maner 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 17-12-2024 at 08:30 AM in on line mode.

The following members were present

Name of the member	Nomination
Principal, Dr. S. M. Maner	Chairman
Dr. D. A. Kumbhar	Member
Dr. R. H. Atigre	Member
Mr. Pradeep S. Asliya	Member
Mr. N. H. Waghmare	Member

### Leave of absence

## 1. Leave of absence was granted to the Mr. Pradeep S. Asliya, (Industrial Expert) by the Chairman Board of Studies.

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

### Item No. I Allotment of number of hours per unit

Dr. R. H. Atigre 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

Mr. Pradeep S. Asliya suggested unit for the preparation of household chemicals course. Also, Dr. D.A. Kumbhar advised chemicals 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 9:45 am with a vote of thanks by Mr. N. H. Waghmare 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 HEAD, Department of Chemistry. Dattajirao Kadam Arts, Science & Commerce College, ICHALKARANJI.



Dr. S. M. Maner Principal, D.K.A.S.C. College, Ichalkaranji.





Dissemination of Education for Knowledge, Science & Culture" - Shikshanmaharshi Dr. Bapuli Salunkhe Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's

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

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 Founder Shikehanmatarshi Dr. Bapoji Salunkhe D Lit	Ballion and all all	President Charles Patil Higher and Technical Education Govint Matacastéria	Chairman Han Pris Abhaykumar Salunlaha M A		Principal Gr. E. M. Masser M.A. M.Phil., Ph.D
Outward No DKASC / 2746	P-1	2024p-25		Date 1712	20260

### **Appreciation Letter**

To,

Dr. R. H. Atigre Associate Professor, Shri Vijaysinh Yadav College, Peth Vadgaon

Subject - Appreciation Letter ....

Respected Sir,

With respect to the above mentioned subject, we would like to take this opportunity to thank you on behalf of our college for working as a BOS Member for the "Preparation of Household Chemicals" of all B. Sc III students. Once again, thank you for your presence, valuable suggestions, and guidance. We appreciate your continued support.

Thanking You.



Yours's faithfully

Dr. S. M. Maner

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





Dissemination of Education for Knowledge, Science & Culture" - Shikshanmaharshi Dr. Bapuji Salunkhe Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's

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



MS. BEI

Date: 17/12/2026

Tal. Hatkanangale, Dist. Kolhapur - 416 115 Office : (0230) 2420 412 Principal : (0230) 2991617 Email : dkasccollege@gmail.com @Website : www.dkasc.ac.in

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Chairman

Outward No DKASCI 274 ET 2026-25

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### **Appreciation Letter**

To,

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Founde

Mr. Pradeep S. Asliya Innovate Infotech 9/169, New Industrial Estate, Ichalkaranji-416115

Subject - Appreciation Letter ...

Respected Sir,

With respect to the above mentioned subject, we would like to take this opportunity to thank you on behalf of our college for working as a BOS Member for the "Preparation of Household Chemicals" of all B. Sc III students. Once again, thank you for your presence, valuable suggestions, and guidance. We appreciate your continued support.

Thanking You.



Yours's faithfully

Dr. S. M. Maner Principal, D.K.A.S.C. College, Ichalkaranji.



### SHRI SWAMI VIVEKANAND SHIKSHAN SANSTHA'S, KOLHAPUR Dattajirao Kadam Arts, Science & Commerce College, Ichalkaranji. DEPARTMENT OF CHEMISTRY Academic year 2024-25

### Syllabus: PREPARATION OF HOUSEHOLD CHEMICALS

#### **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: 30 Hrs**

#### Total: 100 Marks

### Paper: I-Basic concept of Analytical chemistry Unit: I cleaning materials

### [30 marks] [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 Deriphat

1.11 Comparison between Soaps

### Unit: II Basic term in household chemicals

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

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



[10 marks]

[05 marks]



Paper: II Household chemicals-introduction, syn	thesis and manufactu	ring [30 Marks]
Unit: I Household chemicals		[10 Marks]
1.1 Introduction of household chemicals	or domestic chemicals	[10 Marks]
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	ē.	*
<ol> <li>1.8 Types and strength of acids</li> <li>1.9 Cleaning action of acid, handling and</li> </ol>	presention	
1.10Antiseptic and Disinfectant	precaution	
1.10Antiseptic and Distincetant		
Unit II: Phenols		[10 Marks]
2.1 Introduction of phenol		
2.2 Methods of synthesis of phenols		
2.3 Physical properties		
2.4 Chemical properties		
2.5 Uses		
Unit: III Basic of analytical techniques		[10 Marks]
3.1 Purification of solids		[
A) Crystallization:- preparation of sa	turation solution, hot	
Filtration, cooling of filtrate, filtrat	n an a' ann an an tar chuir an ann ann an ann an tar an tar ann an tar ann. Tarl	٠
B) Distillation: simple distillation	ion	
Paper-III:-Practical's		[40 Mowleal
		[40 Marks]
1. Acid strength of Sanitary Acid	3 ×	
2. Preparation of Phenyl		
3. Preparation of Soap		
4. Preparation of Perfume		19
5. Preparation of Liquid Soap.		
6. Preparation of Washing Powder		T.
7. Preparation of Natural Indicator.	<i>v</i> ,	
8. Saponification of oil.		
9. Conductometric Titration – I		
10. Conductometric Titration –II		

11. Preparation of Sanitizer



Dr. D. A. Kumbhar HEAD, Department of Chemistry, Dattajirao Kadam Arts, Science & Commerce College, ICHALKAR'ANJI. C

"ক্লান, বিক্লান প্লাণি স্নুম্নন্দনান যামাঠী প্লিঞ্চাত্মবান্ন" भिाक्षणमहर्षि डॉ.खापूजी साळुंखे

### SHRI SWAMI VIVEKANAND SHIKSHAN SANSTHA'S, KOLHAPUR Dattajirao Kadam Arts, Science & Commerce College, Ichalkaranji. Academic year 2024-25

### DEPARTMENT OF CHEMISTRY **Preparation of Household Chemicals**

Date: 18/12/2024

### 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 starts from December 2024. 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

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1) B.Sc. III admission receipt Xerox

2) College ID Xerox



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

Dissemination of Education for Knowledge, Science and Culture" -Shikshan Maharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

### Dattajirao Kadam Arts, Scienceand Commerce College Ichalkaranji DEPARTMENT OF CHEMISTRY

**Preparation of Household Chemicals 2024-25** 

Enrollment list

Sr. No.	Student Name	Class	Sign
1	Antin Basavraj Manjunath	B. Sc III	BIA
2	Awale Suyash Bhavso	B. Sc III	SA2 -
3	Balari Abhishek Vyankatesh	B. Sc III	A.V. Ballari
4	Bhosale Rohan Satish	B. Sc III	thesalt
5	Danane Paras Shital	B. Sc III	802.
6	Desai Khadija Jamir	B. Sc III	Ritesain
7	Jangate Supriya Suresh	B. Sc III	Steingh
8	Kamate Sanika Suresh	B. Sc III	Stamale.
9	Kambale Poonam Kiran	B. Sc III	ante
10	Kamire Shreya Mahesh	B. Sc III	Shereyer
11	Katankar Shahid Hazrat	B. Sc III	Falight.
12	KhotAakansha Joti	B. Sc III	Alkhops.
13	Koli Sushant Pindu	B. Sc III	S.P. Keli
14	Kore Neha Manohar	B. Sc III	None
15	Kurane Anisha Rahul	B. Sc III	ARe
16	Latane Abhishek Sanjay	B. Sc III	Alter
17	Malwade Ajay Ravikant	B. Sc III	Derse
18	Miraje Amruta Vishwanath	B. Sc III	Conny
19	Mirajkar Vijay Abasaheb	B. Sc III	CLARACE.
20	Naik Samruddhi Mahesh	B. Sc III	ANaik -
21	Patil Suraj Shahaji	B. Sc III	Hatt.
22	Patil Vinayak Rajkumar	B. Sc III	P



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Shri Swami Vivekanand Shikshan Sanstha's

### Dattajirao Kadam Arts, Science and Commerce College

### Ichalkaranji DEPARTMENT OF CHEMISTRY

### Academic year 2024-25

### Syllabus Distribution for

### PREPARATION OF HOUSEHOLD CHEMICALS

Sr. No.	Name of teacher	Name of the topic	Sign ·
1	Dr. D. J. Sutar Dr. V. V. Gawade	Household chemicals	PSupp.
2	Dr. A. A. Patravale Mr. S. R. More	Basic term in household chemicals	Ginneg
3	Mr. R. P. Bharsat	Quantitative Analysis	Showing
4	Mr. V. B. Shinde Miss. P. V. Mane	Cleaning materials	V38hine/k Amare
5	Dr. S. V. Mulik	Basic of analytical techniques	Superior .
6	Mr. N.H. Waghmare	Phenols	Alm

Mr. N. H. Waghmare

AMA ICHALKARAN.

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

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SHRI SWAMI VIVEKANAND SHIKSHAN SANSTHA'S, KOLHAPUR

Dattajirao Kadam Arts, Science & Commerce College, Ichalkaranji.

### DEPARTMENT OF CHEMISTRY

**Preparation of Household Chemicals** 

### **Practical Distribution**

Faculty	Name of experiment
NHW	Acid strength of sanitary acid.
RPB	Preparation of Soap.
SRM	Preparation of liquid soap.
APP	Preparation of Natural Indicator.
SVM	Preparation of Perfume
DJS	Preparation of Sanitizer



Dr. D. A. Kumbhar HEAD, Department of Chemistry. attajirao Kadam Arts, Science & Commerce College, ICHALKARANJI.



Dissemination of Education for Knowledge, Science and Culture" -Shikshan Maharshi Dr. Bapuji Salunkhe Shri Swami Vivekanand Shikshan Sanstha's Dattajirao Kadam Arts, Science and Commerce College Ichalkaranji DEPARTMENT OF CHEMISTRY **Preparation of Household Chemicals 2024-25 Theory Time Table** 

### Date: 07/01/2025

Day	Time	Name of Teacher
		Mr. R. P. Bharsat/
Thursday		Dr. V. V. Gawade/
		Mr. S. R. More
100 (11.73 <u>6</u> ) 1978 - 1978 - 1978 - 1978 - 1978 - 1978 - 1978 - 1978 - 1978 - 1978 - 1978 - 1978 - 1978 - 1978 - 1978 - 1978 -		Dr. S. V. Mulik/
Friday	2:30 pm to 3:30 pm	Dr. D. J. Sutar/
14	and the second	Mr. V. B. Shinde
		Dr. A. A. Patravale/
Saturday		Mr. N. H. Waghmare
Jacurduj		Miss. P. V. Mane

Mr. N.H. Waghmare



. Kumbhar Dr. D. HEAD,

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



Dissemination of Education for Knowledge, Science and Culture" -Shikshan Maharshi Dr. Bapuji Salunkhe Shri Swami Vivekanand Shikshan Sanstha's Dattajirao Kadam Arts, Science and Commerce College Ichalkaranji DEPARTMENT OF CHEMISTRY Notice

### **Preparation of Household Chemicals 2024-25**

### Date: 07/01/2025

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 09/01/2025. All students must be attend lectures. Time table of theory lectures are given below.

Day	Time
Thursday	2:30 pm to 3:30 pm
Friday	2:30 pm to 3:30 pm
Saturday	2:30 pm to 3:30 pm

Mr. N. H. Waghmare



Dr. D. A Kumbhar HEAD,

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



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### Dissemination of Education for Knowledge, Science and Culture" -Shikshan Maharshi Dr. Bapuji Salunkhe Shri Swami Vivekanand Shikshan Sanstha's Dattajirao Kadam Arts, Science and Commerce College Ichalkaranji DEPARTMENT OF CHEMISTRY Preparation of Household Chemicals 2024-25 Theory Attendance Report

Sr. No.	Student Name 4	09/1/28	10/1/28	11/1/25	16/1/28	17/1/28	18/1/28	23/1/25	241,125	25/1/25	21/1/28
1	Antin Basavraj Manjunath	RIA	B14	BIAA	BHA	BIA	BIA	BIA	RIA	RIA	ANA -
2	Awale Suyash Bhavso	Sho	SBO	8B2.	8B2	A	SB>	ABR !!	SA2	SBL-	AL.
3	Balari Abhishek Vyankatesh	A:V.Ballori	AV. Balbri	A.V. Balloni	A.U. Bullesi.	A.V. Bullosi	A.V. Ballooi	A-U-Bel losi.	A.V. Ballowi.	A.V. Ballosi.	A.V. Balbai
4	Bhosale Rohan Satish	REPORT	fseposik	RERLOBE	Report	Resporte	Reporte	Rehoric	Barcole	estocale	Asthory
5	Danane Paras Shital	8R	Ab	Sel-	81	8P	8P	8P	8H	SAP.	8P.
6	Desai Khadija Jamir	Forlesde	Eddesau	Balescia	Prolesai	Flesa	Edesai	Eldesau	Alisai	(Bdescui	(Jeles coh
7	Jangate Supriya Suresh	Frangele	Azeinger	Aringa	Asango	Astangel	Bangah	Arangal	Baggu	Faryd	Frangal
8	Kamate Sanika Suresh	Spine.	Panak	Pamate	Pomak	Panale_	Joamale	Janate	Pramak_	Pamake.	Framak
9	Kambale Poonam Kiran	Ramble	Rample	Ramble	Ramble	Ramble	Bamble	Pample	Romble	Romble	Ramble
10	Kamire Shreya Mahesh	Sheezer-	mareyes "	Shereya-	Sheeyer.		Heerer"	Jacey -	Averest .	Sheeger	Sherenger.
11	Katankar Shahid Hazrat	Balight	Shalid the	Achieft	Salight	Balight	Beatingthe	Bralight	Bal-Ath	Bality	Barristi
12	Khot Aakansha Joti	Barghet	Banshel				Penshel		Danshet	Punshe	1000-00
13	Koli Sushant Pindu	Ab	Ab	Alo	AB	AB	Ab	AB	AB	Ab	Ab '
	, ADAMA SC COLLER ,										

	1								12		
14	Kore Neha Manohar	Nor	Neore	NKOR	Neon	Nor	Nere	Neone	Ner	None	NKon
15	Kurane Anisha Rahul	AR_	APP	ARC	ARE	ARS	A102	HRO.	AR_	AR	ARG
16	Latane Abhishek Sanjay	Decetes	Delator	Deeber	Deleter	Agentoe	AB	Alete	Acuta	AB	Deleter
17	Malwade Ajay Ravikant	Dus	Des	Als-	Ales	Ab	Alis	Ales	Ales	Als	Ales
18	Miraje Amruta Vishwanath	at a tage	Ormizajo	Armirocyje	Brinisaye	Azmizejé	Amisez	A-13	Aminofi	Avnizaj	Orminate
19	Mirajkar Vijay Abasaheb	CARD.	(An.	AB	STARK.	AAAP (	VAR	VAR.	AB	NAM	VAN
20	Naik Samruddhi Mahesh	Anail.	Ande.	Anklik	ANhile	Andik	Anak_	ANGIK	#Noik	Araik	Ancik
21	Patil Suraj Shahaji	that	afatt	afatt	tatt	afatt	tetteto	Steel 15	AB	Rost	that.
22	Patil Vinayak Rajkumar	æ	æ	æ	æ	P	P	æ	P	P	P
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, 30	Shinge Komal Maruti	Bomel	abord 4	(BORNET (	Denceds	Great,	Boreal	Second	Bornels	Bomdy	Gonad!
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37	Shinde Arati Ananda	Athinde	Ashinote-	Ashinde	Ashinate	Ashinde	-Ashinak	Astinals	Astricale		Minde
38	Giri Deepak Prakash	Ab	Ab	Ab	Allo	Ab	Ab	46	AB	AB	AB
39	Khot Prathmesh Prakash	R	P	R	P	· R	P	P	R	P	Q
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Dr. D. A. Kumbhar HEAD, Department of Chemistry, Dattajirao Kadam Arts, Science & Commerce College, ICHALKARANJI.

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Ňo.	Student Name	1/2/28.	61,125	711/25	8/1/25	13/1/28	14/1/28	15/1/25	17/125	18/1/28	20/2/25
1	Antin Basavraj Manjunath	PIA -	RMA	RIA	RMA	RHA	RIA	RNA	DAA	DIA	DIA
2	Awale Suyash Bhavso	323	-SA2	829	- 83.2	832	SBR	8Ae	on &	Che	DIA
3	Balari Abhishek Vyankatesh	A.V. Ballazi	A.V. Ballov	A.V. Ballersi	A.V.Balmi	A.V. Ballari	00		A.V. Bulkon	A.V. Ballusi	A-V. Bulini
4	Bhosale Rohan Satish	Bablacte	Bornelle	Baretec	Barosec	Baboser	RSposele		Ransale	fr +	
5	Danane Paras Shital	SAP_	BAR	SAP	AB	810	81P	80	RD	RI	AB
6	Desai Khadija Jamir	Frisol	Erlesde	Alescu	Rodesia	Ab	Faclesch	Rivai	Fidesai	Froai	Aleson
7	Jangate Supriya Suresh	Ganget	Stangale	Angte	Spangds	Frangt	2 pengte			Angle	Frende
8	Kamate Sanika Suresh	tamap,	stamak.	famele	Damate	stamato	Permate	deamale	Stamat (	Francise-	stamate
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11	Katankar Shahid Hazrat	Balight	Stabistic	Ralit	Stavetik	Balift	Babiet		Bat ##		Shalt H
12	Khot Aakansha Joti	Pensnel	Aunsha	Punshop	Donghel	Deinghei	Bringhel				ParshCl
13	Koli Sushant Pindu	Ab	Ab	Ab	Ab	AB	46	Ab.	Ab	Ab	Ab.
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Dr. D. A. Kumbhar HEAD, Department of Chemistry, Dattajirao Kadam Arts, Science & Commerce College, ICHALKARANJI.



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# Dissemination of Education for Knowledge, Science and Culture" -Shikshanmaharshi Dr. Bapuji Salunkhe Shri Swami Vivekanand Shikshan Sanstha's Dattajirao Kadam Arts, Science and Commerce College Ichalkaranji DEPARTMENT OF CHEMISTRY Preparation of Household Chemicals 2024-25

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Theory A	Attend	ance	Repo	ort	

Sr.		1		Theory A	Attendance	Report				40 M	
No.	Student Name	6/3/28	71:3125	83225	13/3/28	1	20/2/28	21/3/25	28/3/25	223/25	25/3):5
1	Antin Basavraj Manjunath	BIAA	PA	DA	TALA	DAA	RIA	PALA	RIA	BILL	BIA
2	Awale Suyash Bhavso	AB	AB	AB	Ab	AB	86	46	Ab	46	86
3	Balari Abhishek Vyankatesh	A.V. Ballan	A.V. Ballari	A.V.Balloni	A.V.Ballon	A.V. Bullosi	A-V.Balloni	A.U.Ballan		A.V.Ballyo	
4	Bhosale Rohan Satish	Bersele	partosole	Pandar	Resterence						esencede
5	Danane Paras Shital	BAR.	81 ···	80.	BAR.	8D.	8P.	84.	80.	8D	80.
6	Desai Khadija Jamir	Folesai	Felesa	Baclesain	Eddesdi	Frelecai	Felesar	Bidesai	Ralesdi	Pelesai	and the state of the
7	Jangate Supriya Suresh	Frangert	Fingel	1 Fingal	fingale	Fringal	Argan	Farger	BOP	Jangel	- topge
8	Kamate Sanika Suresh	Barrate.	Canale	gbramate.	Comat?	fcernate.	stramate.	Bandke	Stamate	at amate	Parate
9	Kambale Poonam Kiran	Queb	and	Onle	Olme	Amp	and	Pund	ambe	Amale	Quele.
10	Kamire Shreya Mahesh	Sheezer.	Sheeza	Sheeper-	Shese	Sherey-	Sheege	Steager	Sheepe	Shecry.	-Sheerger-
11	Katankar Shahid Hazrat	Stalight	Forthe	Kalt	Sost	State	charidite	Astitue	Rubeller	Ballth	Robertin
12	Khot Aakansha Joti	Banghal	Boingha	Ackorgh	Banghel	Paninel	Banghel	Banghel	Banghut	Banshet	
13	Koli Sushant Pindu	46	AB	Ab	Ab	Ab	Ab	Ap	46	46	AB
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38	Giri Deepak Prakash	AB	9b	ĄЬ	38	AP.	AB	AP	Ab	Ab	Ab.
39	Khot Prathmesh Prakash	AB.	45	Ab	75	H	AL	Ab	4b	Ab	AD
40	Heralage Prathmesh Balaso	Ab	Ab.	дь.	Ab.	-95	Ab.	Zb.	Ab.	:46	A6
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42	Sutale Rajashree Mahadev	Ab	Ab	AD	Ab	Ab	Ab	AS	AB	Ab	AB



Dr. D. A. Kumbhar

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



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

### Ichalkaranji.

### DEPARTMENT OF CHEMISTRY

### Preparation of household chemicals 2024-25

### Notice

### Date: 30/04/2025

All the students of course "Preparation of household chemicals" are hereby informed that, Theory and Practical examination of this course is scheduled as below. All the students must remain present for Theory and practical examination on scheduled time as there is no provision of re-examination.

Date	Time	Paper	Marks
	10:00 am to 11:30 am	Paper-I (Theory)	30
04/05/2025	12:00 pm to 1:30 pm	Paper-II (Theory)	30
	2:00 pm to 5:00 pm	Paper-III (Practical)	40



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



Dissemination of Education for Knowledge, Science and Culture" -ShikshanMaharshiDr.BapujiSalunkhe

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

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

Department Of Chemistry

**Preparation of Household Chemicals** 

### Date- 04/05/2025

MARKS: 40

Q. 1. Perform Any Two Experiments.

30 Marks

TIME: 2 Hours

0

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.
  - Q.2 Journal
  - Q.3 Oral

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05 Marks 05 Marks



"ज्ञान, विज्ञान आणि सुसंस्कार यांसाठी शिक्षण प्रसार" – शिक्षणमहर्षी डॉ. वापूजी साळुंखे Shri Swami Vivekanand Shikshan Sanstha's NAT **ARTS. SCIENCE & COMMERCE JUNIOR COLLEGE**, **Hollow Craft Sticker** Centre No. केंद्र क्रमांक In figure Y Hollow Craft Sticker 0 6 अंकात DKASC Hollow Craft Sticker Seat No. In Words one zero size preparation of बैठक क्रमांक Subject : अक्षरात विषय : household chemical Candidate's Paper : Practical Paper. Signature Relesch परीक्षार्थीची पेपर : सही Date : Supervisor's 04/05/2025 Signature दिनांक : पर्यवेक्षकाची सही Language of Answer : English उत्तरलेखनाची भाषा : Hollow Craft Sticker SUPPLEMENT प्रवणी Phenyl Preparation of 27 प्रश्न क्र Q. No. Scented cleaner (Phenyl). Aim 3- To Prepare G Apparatus 8- 250 ml beaker, medsuring Cyllinder, . glass rod etc. Chemicals 3 - Red oil, Pine oil, etc. ¢ Procedure 8-• 250 ml beaker, wash it with distilled water (1) Take Oil with measuring cyllinder & Take is me med 6) in some washed beaker. Pour (3) REDAMA with measuring Cylinder Then take 15 ml Continous Stizzing E ICHALROARANJI F & add it in same

Do not write your name or seat no. below this line. Q. No. Total Marks प्रश्न क Q. No. stir the mixture of red oil & Pine oil Continous (9) IT till become homogenous (5) After it, add 45 ml distilled anater in above mixture. 6 Stir the mixture again it become homogenou Ad And here will be scented cleaner Formed (7) 0 Result :-17 xlame of Product - Phenkyl Colour of Product - whitis 27 11/1 Volume of Phenyl - 175 ml 37 n) (130 1.5 . 1.1 8 M 0 3 4 . 111 1 3 51/64 to 1-6-11113 1100 11 10 180 24 1. ADAM 11.1 ICHALKARANJI Y Linn OFF 12 1 6.341 1. . 14 4.7 A G A Line ALKARAN

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Do not write your name or seat no. below this line. Q. No. Total Marks Preparation of washing powder पश्न क्र. 71 Q. No. Aim &- To Prepare washing powder. Apparatus 8- 100 mp 8 250 ml beakers, measuring Gillinder glass rod , etc. chemicals: - Sadium carbonate (soda ask), slump Scapistone (rich of mg), Tri , sodium Phosphate (TSP), essence, colour, sodium chloride (salt) etc. Procedure 8-Take 250 ml beaker, wash it with distilled water (I)Take 10 y soda ash a 5y soap stone in beaker a mix throughly. Then add. 10 g mixture of essence & salt. (3) Finally add log mixture theoughly to become (4) homogenous. Mix above mixture theoughly to become homog-(5) nous. Take another loomt beaker, wash it with (6) distilled of it in 10 ml distilled water. () Now add this coloursed solo to the above homogene Powder & mix throughly. Now Add this coloured solution to the above hom. (8) Add finaly colour And elegent powder is (9) ICHALKARANI ready to we.

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थिा. म. डॉ. खापूजी साळुंखे

### শ্বী মথানী থিঐকানার হিাঞ্জিতা মামগ্রা, কাল্চাতুম্ব Dattajirao Kadam Arts, Science & Commerce College, Ichalkaranji.

### **Department Of Chemistry**

Name of Course: Preparation of household chemicals (2024-2025) **Practical Exam Attendance** 

Sr.No.	Name of students	Seat no.	Journal	Oral	Sign
1.	Antin Basavraj Manjunath	101	-	02	BIA
2.	Awale Suyash Bhavso	• • 102	-	Contraction of the second	Ab
3.	Balari Abhishek Vyankatesh	103	~	03	A.V.Ballari
4.	Bhosale Rohan Satish	104	~	٥١ .	Roshosale
5.	Danane Paras Shital	105		02	<u>80</u> .
6.	Desai Khadija Jamir	106		03	Redescu
7.	Jangate Supriya Suresh	107		04	- jongden.
8.	Kamate Sanika Suresh	108	"Lesdonic	oli	stermale.
9.	Kambale Poonam Kiran	109	-	02	Phile



10.	Kamire Shreya Mahesh	110 .	~	04	Averya -
11	Katankar Shahid Hazrat	111	V.	01	المبر المحالي
12.	Khot Aakansha Joti	112		02	Bakansha
13.	Koli Sushant Pindu	. 113	-	· _	AB
14.	Kore Neha Manohar	114	~	03	. Nore
15.	Kurane Anisha Rahul	115	~	02	Alto
16.	Latane Abhishek Sanjay	116		62	Agutare
17.	Malwade Ajay Ravikant	117	·V	70	ALB.
18.	Miraje Amruta Vishwanath	118		04	Orminaje
19,	Mirajkar Vijay Abasaheb	119	~	05	VAMirajka
20.	Naik Samruddhi Mahesh	120	-	02	<u>جانطر کے</u>
20.	Patil Suraj Shahaji	121	-	03	Maxmith .
21.	Patil Vinayak Rajkumar	122	L	01	P
22.	Patil Yash Anil	123	~	02	XALSI
23.	Patole Nikhil Yashwant	124	~	8 \	2 lotate
	HAJIRA O.K.	ICHALKAUON I			



24.	Pujari Samruddhi Maruti	125	V	02	Egiani.
25.	Sagare Sanmati Sunil	126	~	02:	Buti
26.	SawantTejas Sanjay	. 127	· · ·	61	T.S. Sour
27.	Shikhare Rajvardhan E.	128		01	Sumo .
28.	Shinde Sakshi Arvind	129	~	02	Ahina
29.	Shinge Komal Maruti	130 -	-	02	the mal-s
30.	Sutar Renuka Rajaram	131		02	ppi
. 31.	Teli Akshata Balu	132		20	BITCHIN
33.	Nade Ankita Dhananjay	133	-		Ab
34	Nadaf Tasnim Shahajan	134		. 03	Bladet.
35	Hawaldar Dhiraj Tanaji	135	a strange and	-	Ab
36-	Koli Karan Sunil	136	L	02	FEOLI
37	Shinde Arati Ananda	137		02	Schindle.
38	Giri Deepak Prakash	138		-	Ab
39	Khot Prathmesh Prakash	139		-	Ab

10

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40	Heralage Prathmesh Balaso	.140			
41	Danwade Mahmadiliyas S.	141	-		AS
42	Sutale Rajashree Mahadev	142		02	Borrade
	Sutale Rajasifice Manadev		· · · -	-	Ab



(Dr. D. A. Kumbhar) Coord A. Kumbhar) Bepartment of Chemistry, Dattajirae Kadam Arts, Science & Commerce College, ICHALKARANUM



### "Dissemination of Education for Knowledge, Science and Culture" -Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

### Dattajirao Kadam Arts, Science and Commerce College Ichalkaranji DEPARTMENT OF CHEMISTRY

Preparation of household chemicals 2024-25

Sr. No.	Student Name	Mark Paper-I Theory	Paper-II Theory	Paper-III Practical	Total	Grade
1	Antin Basavraj Manjunath	16	18	22	56	B <sup>+</sup>
2	Awale Suyash Bhavso	Ab	Ab	Ab	8. <del>515</del>	
3	Balari Abhishek Vyankatesh	20	19	32	71	A <sup>+</sup>
4	Bhosale Rohan Satish	20	16	23	59	B <sup>+</sup>
5	Danane Paras Shital	17	. 14	27	58	B <sup>+</sup>
6	Desai Khadija Jamir	19	14 .	31	64	A
7	Jangate Supriya Suresh	21	18	34	73	A <sup>+</sup>
8	Kamate Sanika Suresh	24	22	37	83	0
9	Kambale Poonam Kiran	22	18	30 .	70	A <sup>+</sup>
10	Kamire Shreya Mahesh	22	22	34	78	A <sup>+</sup>
11	Katankar Shahid Hazrat	18	14	24	56	B <sup>+</sup>
12	Khot Aakansha Joti	22	16	31	69	A
13	Koli Sushant Pindu	Ab	Ab	Ab	·	<u> </u>
14	Kore Neha Manohar	20	16	33	69	A <sup>+</sup>
15	Kurane Anisha Rahul	21	16	. 30	67	A
16	Latane Abhishek Sanjay	20	15	. 29	64	A
17	Malwade Ajay Ravikant	14	16	24	54	B
18	Miraje Amruta Vishwanath	18	16	34	68	A
19	Mirajkar Vijay Abasaheb	19	18	35	72	A <sup>+</sup>
20	Naik Samruddhi Mahesh	17	16	30 .	63	A
21	Patil Suraj Shahaji	21	17	32	70	A <sup>+</sup>
22	Patil Vinayak Rajkumar	16	14	24	54	В
23	Patil Yash Anil	18	16	30	64	A
24	Patole Nikhil Yashwant	14	14	24	52	B
25	Pujari Samruddhi Maruti	16	17	30	63	A





26	Sagare Sanmati Sunil	18	16	27	61	A
27	Sawant Tejas Sanjay	16	14	26	56	B <sup>+</sup>
28	Shikhare Rajvardhan Eknath	19.	15	26	60	A
29	Shinde Sakshi Arvind	19	18	27	64	A
30	Shinge Komal Maruti	20	16	30	66	A
31	Sutar Renuka Rajaram	19	15	30	64	A
32	Teli Akshata Balu	18	19	32	69	A
33	Nade Ankita Dhananjay	Ab .	Ab	Ab		
34	Nadaf Tasnim Shahajan	19	20	31	70	A*
35	Hawaldar Dhiraj Tanaji	Ab	Ab	Ab		
36	Koli Karan Sunil	15	16	26	57	B <sup>+</sup>
37	Shinde Arati Ananda	18	16	. 28	62	A
38	Giri Deepak Prakash	Ab	Ab	Ab		
39	Khot Prathmesh Prakash	Ab	Ab .	Ab ·		
40	Heralage Prathmesh Balaso	Ab	Ab	Ab		-
41	Danwade Mahmadiliyas Sameer	17	19	27	63	A
42	Sutale Rajashree Mahadev	Ab	Ab .	Ab		

Present: 34 Absent: 08 Total: 42

Mark range	Letter Grade
80-100	O:Outstanding
70-79	A <sup>+</sup> :Excellent
60-69	A:Very Good
55-59	B <sup>+</sup> :Good
50-54	B:Above Average



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



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College, Ichalkaranji.

(Affiliated to Shivaji University, Kolhapur)

### Certificate Course in Preparation of household chemicals 2024-25

Shri/Smt: Desai Khadija Jamir

Exam date: 4<sup>th</sup> May 2025

ICHALKARANJI )

Seat No.	Paper I	Paper II	Paper III	Grand	Percentage	Grade	Remark
Scal Ho,	Theory	Theory	Practical	Total			
Maximum Marks	30	30	40	100			
Minimum for Passing	. 11 .,	11	13	35 ,	64.00 %	A	Very .
Marks Obtained	19	14	31	64			Good

Date: - 7<sup>th</sup> May 2025

Mr. N. H. Waghmare Coordinator



Dr. D. A. Kumbhar Head, Department of Chemistry



Dr. S. M. Maner Principal



"Dissemination of Education for Knowledge, Science and Culture" - Shikshanmaharshi Dr. Bapuji Salunkhe



ICHALKARANJI

Shri Swami Vivekanand Shikshan Sanstha's Kolhapu

Dattajirao Kadam Arts, Science and Commerce College, Ichalkaranji.

(Affiliated to Shivaji University, Kolhapur)

ertificate

This is to certify that Miss Desai Khadija Jamir has attended the certificate course in "*Preparation of household chemicals*" from Dec 2024 to May 2025 and completed the course satisfactorily in A grade.

Date: 7<sup>th</sup> May 2025



Mr. N. H. Waghmare Coordinator

Dr. D. A. Kumbhar Head, Department of Chemistry

Dr. S. M. Maner Principal

