

“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”

2018-2019

Date : 27-06-2018

To,
Principal,
Dattajirao Kadam Arts, Science and Commerce,
Ichalkaranji.

Subject : Seeking Permission to conduct 3 month Preparation of Household
Chemicals Certificate course under department of Lifelong learning
And Extension, Shivaji University, Kolhapur.

Respected Sir,

With the reference to above cited subject, department of chemistry
had conducted Preparation of Household chemicals course under department of
Lifelong learning and Extension, Shivaji University Kolhapur, in academic
year 2017-18. This year also wants to continue same course. So here we are
requesting you to permit us to conduct the course in the academic year 2018-19.

Thanking You,



A.S. Tapase

Yours Sincerely,

Dr. A. S. Tapase

Co-ordinator,
Course under, Department of Adult &
Continuing Edu. & Ext. Work,
D. K. A. S. C. College, Ichalkaranji.

Permitted
[Signature]

4. PREPARATION OF HOUSEHOLD CHEMICALS

Objectives:

1. To make availability of self employment.
2. To develop confidence for doing job.
3. To develop skills required for job.
4. To develop skills of market survey.
5. To develop knowledge of domestic chemicals.
6. To develop skill of subject knowledge on applied basis.

Course Duration-03 Months

Syllabus

Paper-I: Basic concept of household chemicals

[30 Marks]

Unit I: Domestic chemicals

10 Marks

- 1.1 Introduction of House chemicals or domestic chemicals and their uses.
- 1.2 Sanitary acids
- 1.3 Phenyl
- 1.4 Liquid soaps; Lysol, Dettol, Savlon.
- 1.5 Acids -bases
- 1.6 General introduction
- 1.7 Theory
- 1.8 Types and Strength of Acids
- 1.9 Cleaning action of acids, Handling and Precautions
- 1.10 Antiseptic and Disinfectant

Unit II: Basic terms in Domestic chemicals

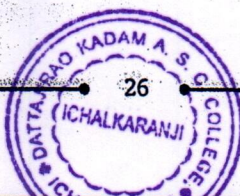
10 Marks

- 2.1 Mole concepts.
- 2.2 Concentration
- 2.3 Units of concentration
- 2.4 Normality
- 2.5 Molarity
- 2.6 Molality
- 2.7 Mole Fraction
- 2.8 Percentage composition by volume
- 2.9 Percentage composition by weight.

Unit III: Titration

10 Marks

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



Paper- II : Mechanism, precaution and cleaning action of Household Chemicals

[30 Marks]

Unit I: - Soaps and Detergents[20 Marks]

- 1.1 Introduction of Soaps
- 1.2 Theory and types
- 1.3 Raw materials
- 1.4 Types of soaps
- 1.5 Manufacture of soaps, Hot Process
- 1.6 Cleaning action of soaps
- 1.7 Introduction of Detergents
- 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 and Detergents.

Unit II: - Phenols

05 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: - Phenyl

05 Marks


- 3.1 Preparation
- 3.2 Ingredients and uses
- 3.3 Advantage and drawback of phenyl.

Paper- III: -Practical's

40 Marks

- 1) Volumetric titration (2)
- 2) Conduct metric titration(2)
- 3) Preparation of standard solutions(2)
- 4) Preparation of chromic acids
- 5) Preparation of phenyls
- 6) Preparation of dyes
- 7) Preparation of Soap
- 8) Determination of soap value of oil.
- 9) Preparation and uses of Natural Indicators
- 10) Project Work




HEAD,
Department of Chemistry,
Dattajirao Kadam Arts, Science
& Commerce College,
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Dattajirao Kadam Arts, Science & Commerce College,
Ichalkaranji.
Academic year 2018-19

DEPARTMENT OF CHEMISTRY
(Preparation of Household Chemicals)

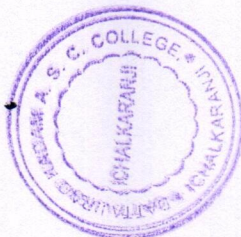
Date: 24/08/2018

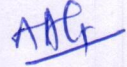
Notice

All the students of B.Sc. III (Chemistry) are hereby informed that Carrier Oriented Course '**Preparation of Household Chemicals**' is organised by department of chemistry. This course conducted during September 2018 to January 2019. The course is compulsory to all the students. The fee of this course is 400/- per students. So register your names for the said course. Contact Mr. N.H. Waghmare sir with documents.

Documents Required

- 1) 10th mark list and certificate Xerox
- 2) 12th mark list




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

2018-19

“ज्ञान, विज्ञान आणि सुसंस्कार यासाठी शिक्षणप्रसार”

शि. म. डॉ. थापूजी भाळुंबे

श्री स्वामी विवेकानंद शिक्षण संस्था, कोल्हापूरचे

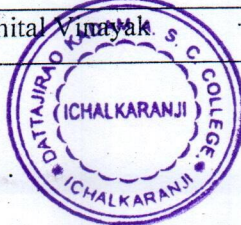
Dattajirao Kadam Arts, Science & Commerce College, Ichalkaranji.

Department of Adult & Continuing Education and Extension Work

Preparation of household chemicals

List of students 2018-2019

Sr. No.	Name of Students
1	Bhatmare Rushikesh Anil
2	Chavan Sachin Baban
3	Danwade Ramizraja Yasin
4	! Desai Aparna Ananda
5	Gaikwad Suyash Sanjay
6	Kale Ratan Sambhaji
7	! Kapale Vidya Anna
8	! Koli Sonali Chandrakant
9	Mali Deepak Anil
10	! Mali Sneha Bandu
11	! Mujawar Muskan Sadik
12	! Patil Geeta Mallikarjun
13	! Patil Gauri Tanaji
14	! Patil Harshada Chandrakant
15	! Patil Nikita Shashikant
16	! Patil Rutuja Shivkumar
17	! Patil Shital Rajendra
18	! Patwagar Khadija Salim
19	! Pawar Prajкта Laxman
20	! Powar Yogita Rajaram
21	! Salunkhe Snehal Sukhdev
22	! Sarambale Komal Prabhakar
23	! Suryavanshi Shital Vinayak



AAG

HEAD,

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

College, Ichalkaranji.

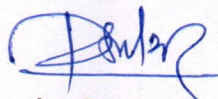
Academic year 2018-19

*Department of Adult & Continuing Education and
Extension Work*

Date : 03/09/2018

Notice

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 7th Sep. 2018. All students must be attend lectures. Time table of theory lectures are given below.



Dr. A. S. Tapase

Co-ordinator,

Course under, Department of Adult &
Continuing Edu. & Ext. Work,
D. K. A. S. C. College, Ichalkaranji.




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HEAD,

Department of Chemistry,
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Ichalkaranji.

Academic year 2018-19

Department of Adult & Continuing Education and Extension Work
Theory Time Table

Date : 03-09-2018

Date	Time	Name of Teacher	Name of Teacher
07-09-2018	First Lecture 10:00 to 10:50am	AAG (I)	AST (I)
08-09-2018		AAG (I)	AST (I)
14-09-2018		AST (I)	GKC (I)
15-09-2018		SBF (I)	GKC (I)
21-09-2018		SBF (I)	GKC (I)
22-09-2018		GKC (I)	SBF (I)
28-09-2018		GKC (I)	SBF (I)
29-09-2018		SBF (I)	MMS (II)
05-10-2018		SAM (II)	MMS(II)
06-10-2018		MMS(II)	KSB(II)
12-10-2018	Second Lecture 11:00 to 11:45am	MMS(II)	KSB(II)
13-10-2018		KSB(II)	MMS(II)
26-10-2018		MMS(II)	KSB(II)
27-10-2018		MMS(II)	KSB(II)
07-12-2018		SAM (II)	SRM(II)

Paper I -- Basic Concepts of Household Chemicals

15 Lect.

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

15 Lect.

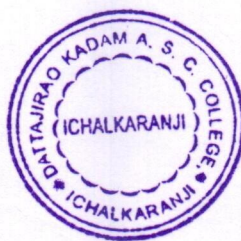
Paper III- Practicals

36 Lect.

A.S. Tapase

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ABG

HEAD,

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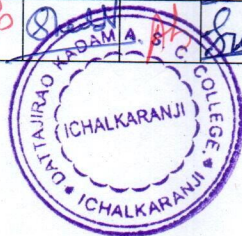
Dattajirao Kadam Arts, Science & Commerce College, Ichalkaranji.

Academic year 2018-19

Department of Adult & Continuing Education and Extension Work

Theory Attendance

Sr. No.	Name of students	1 24/10/18	2 31/10/18	3 28/11/18	4 27/10/18	5 7/11/18	6 14/11/18	7 11/11/18	8 18/11/18	9 24/11/18	10 2/12/18
1	Bhatmare Rushikesh Anil	PRH	PRH	PRH	PRH	PRH	PRH	PRH	PRH	PRH	PRH
2	Chavan Sachin Baban	SRH	SRH	SRH	SRH	SRH	SRH	SRH	SRH	SRH	SRH
3	Danwade Ramizraja Yasin	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
4	Desai Aparna Ananda	AAD	AAD	AAD	AAD	AAD	AAD	AAD	AAD	AAD	AAD
5	Gaikwad Suyash Sanjay	DSG	DSG	Ab	DSG	DSG	DSG	Ab	DSG	DSG	DSG
6	Kale Ratan Sambhaji	RRS	RRS	RRS	RRS	RRS	RRS	RRS	RRS	RRS	RRS
7	Kapale Vidya Anna	Ab	KAR	KAR	KAR	Ab	KAR	Ab	KAR	KAR	KAR
8	Koli Sonali Chandrakant	KCH	SRH	SRH	SRH	SRH	Ab	SRH	SRH	SRH	SRH
9	Mali Deepak Anil	MAL	MAL	MAL	MAL	MAL	MAL	MAL	MAL	MAL	MAL
10	Mali Sneha Bandu	SRH	SRH	SRH	SRH	SRH	SRH	SRH	SRH	SRH	Ab
11	Mujawar Muskan Sadik	MUS	Ab	MUS	MUS	MUS	MUS	MUS	MUS	MUS	MUS
12	Patil Geeta Mallikarjun	Ab	GRH	GRH	GRH	GRH	GRH	GRH	GRH	Ab	GRH
13	Patil Gauri Tanaji	GRH	GRH	GRH	GRH	GRH	Ab	GRH	GRH	Ab	GRH
14	Patil Harshada Chandrakant	HCH	HCH	HCH	HCH	HCH	HCH	HCH	HCH	Ab	HCH
15	Patil Nikita Shashikant	NSH	NSH	NSH	NSH	NSH	Ab	Ab	GRH	Ab	NSH
16	Patil Rutuja Shivkumar	PRH	Ab	PRH	PRH	PRH	PRH	Ab	PRH	PRH	PRH
17	Patil Shital Rajendra	SRH	SRH	SRH	SRH	Ab	SRH	Ab	SRH	SRH	SRH
18	Patwegar Khadija Salim	KHS	KHS	Ab	KHS	Ab	KHS	KHS	Ab	KHS	KHS
19	Pawar Prajкта Laxman	PPL	PPL	Ab	PPL	PPL	PPL	PPL	PPL	PPL	PPL
20	Powar Yogita Rajaram	YPR	YPR	YPR	YPR	YPR	YPR	YPR	YPR	Ab	YPR
21	Salunkhe Snehal Sukhdev	SRH	SRH	SRH	SRH	SRH	SRH	SRH	Ab	Ab	SRH
22	Sarambale Komal Prabhakar	KRH	Ab	SRH	SRH	SRH	SRH	Ab	SRH	Ab	Ab
23	Suryavanshi Shital Vinayak	Ab	SRH	SRH	SRH	Ab	SRH	Ab	SRH	SRH	SRH



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Dattajirao Kadam Arts, Science & Commerce College, Ichalkaranji.

Academic year 2018-19

Department of Adult & Continuing Education and Extension Work

Theory Attendance

Sr. No.	Name of students	L-1 7-9-18	L-2 8-9-18	L-3 14-9-18	L-4 15/09/18	L-5 21/09/18	L-6 22/9	L-7 28/9	L-8 29/9	L-9 5/10	L-10 6/10
1	Bhatmare Rushikesh Anil	Bhat	Bhat	Bhat	Bhat	Bhat	Bhat	Bhat	Bhat	Bhat	Bhat
2	Chavan Sachin Baban	Chav	Chav	Chav	Chav	Chav	Chav	Chav	Chav	Chav	Chav
3	Danwade Ramizraja Yasin	DRD	DRD	DRD	DRD	DRD	DRD	DRD	DRD	DRD	DRD
4	Desai Aparna Ananda	AD	AD	AD	AD	AD	AD	AD	AD	AD	AD
5	Gaikwad Suyash Sanjay	Gau	Gau	Gau	Gau	Gau	Gau	Gau	Gau	Gau	Gau
6	Kale Ratan Sambhaji	Kale	Kale	Kale	Kale	Kale	Kale	Kale	Kale	Kale	Kale
7	Kapale Vidya Anna	VAK	VAK	VAK	VAK	VAK	VAK	VAK	VAK	VAK	VAK
8	Koli Sonali Chandrakant	Koli	Koli	Koli	Koli	Koli	Koli	Koli	Koli	Koli	Koli
9	Mali Deepak Anil	DAM	DAM	DAM	DAM	DAM	DAM	DAM	DAM	DAM	DAM
10	Mali Sneha Bandu	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha
11	Mujawar Muskan Sadik	Mus	Mus	Mus	Mus	Mus	Mus	Mus	Mus	Mus	Mus
12	Patil Geeta Mallikarjun	Geeta	Geeta	Geeta	Geeta	Geeta	Geeta	Geeta	Geeta	Geeta	Geeta
13	Patil Gauri Tanaji	Gauri	Gauri	Gauri	Gauri	Gauri	Gauri	Gauri	Gauri	Gauri	Gauri
14	Patil Harshada Chandrakant	Harsh	Harsh	Harsh	Harsh	Harsh	Harsh	Harsh	Harsh	Harsh	Harsh
15	Patil Nikita Shashikant	Nika	Nika	Nika	Nika	Nika	Nika	Nika	Nika	Nika	Nika
16	Patil Rutuja Shivkumar	Ruti	Ruti	Ruti	Ruti	Ruti	Ruti	Ruti	Ruti	Ruti	Ruti
17	Patil Shital Rajendra	Shital	Shital	Shital	Shital	Shital	Shital	Shital	Shital	Shital	Shital
18	Patwargar Khadija Salim	Khadi	Khadi	Khadi	Khadi	Khadi	Khadi	Khadi	Khadi	Khadi	Khadi
19	Pawar Prajcta Laxman	PPL	PPL	PPL	PPL	PPL	PPL	PPL	PPL	PPL	PPL
20	Powar Yogita Rajaram	Yogi	Yogi	Yogi	Yogi	Yogi	Yogi	Yogi	Yogi	Yogi	Yogi
21	Salunkhe Snehal Sukhdev										
22	Sarambale Komal Prabhakar	Komal	Komal	Komal	Komal	Komal	Komal	Komal	Komal	Komal	Komal
23	Suryavanshi Shital Vinayak	Shital	Shital	Shital	Shital	Shital	Shital	Shital	Shital	Shital	Shital



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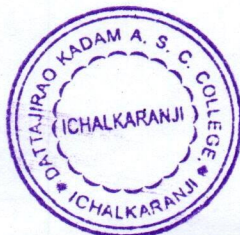
Dattajirao Kadam Arts, Science & Commerce College, Ichalkaranji.

Academic year 2018-19

Department of Adult & Continuing Education and Extension Work

Theory Attendance

Sr. No.	Name of students	L-1 31/12/18	L-2 7/1/19	L-3 8/1/19	L-4 14/1/19	L-5 15/1/19	L-6 21/1/19	L-7 22/1/19	L-8 29/1/19	L-9 30/1/19	L-10 31/1/19
1	Bhatmare Rushikesh Anil	Bhat	Bhat	Bhat	Bhat	Bhat	Bhat	Bhat	Bhat	Bhat	Bhat
2	Chavan Sachin Baban	Chav	Chav	Chav	Chav	Chav	Chav	Chav	Chav	Chav	Chav
3	Danwade Ramizraja Yasin	DRD	DRD	DRD	DRD	DRD	DRD	DRD	DRD	DRD	DRD
4	Desai Aparna Ananda	ADD	ADD	ADD	ADD	ADD	ADD	ADD	ADD	ADD	ADD
5	Gaikwad Suyash Sanjay	Dues	Dues	Dues	Dues	Dues	Dues	Dues	Dues	Dues	Dues
6	Kale Ratan Sambhaji	Ruchy	Ruchy	Ruchy	Ruchy	Ruchy	Ruchy	Ruchy	Ruchy	Ruchy	Ruchy
7	Kapale Vidya Anna	Megat	Megat	Megat	Megat	Megat	Megat	Megat	Megat	Megat	Megat
8	Koli Sonali Chandrakant	Ruchy	Ruchy	Ruchy	Ruchy	Ruchy	Ruchy	Ruchy	Ruchy	Ruchy	Ruchy
9	Mali Deepak Anil	manu	manu	manu	manu	manu	manu	manu	manu	manu	manu
10	Mali Sneha Bandu	Suchy	Suchy	Suchy	Suchy	Suchy	Suchy	Suchy	Suchy	Suchy	Suchy
11	Mujawar Muskan Sadik	Mash	Mash	Mash	Mash	Mash	Mash	Mash	Mash	Mash	Mash
12	Patil Geeta Mallikarjun	Geat	Geat	Geat	Geat	Geat	Geat	Geat	Geat	Geat	Geat
13	Patil Gauri Tanaji	Geat	Geat	Geat	Geat	Geat	Geat	Geat	Geat	Geat	Geat
14	Patil Harshada Chandrakant	Hat	Hat	Hat	Hat	Hat	Hat	Hat	Hat	Hat	Hat
15	Patil Nikita Shashikant	Nat	Nat	Nat	Nat	Nat	Nat	Nat	Nat	Nat	Nat
16	Patil Rutuja Shivkumar	PRS	PRS	PRS	PRS	PRS	PRS	PRS	PRS	PRS	PRS
17	Patil Shital Rajendra	SRP	SRP	SRP	SRP	SRP	SRP	SRP	SRP	SRP	SRP
18	Patwegar Khadija Salim	Shap	Shap	Shap	Shap	Shap	Shap	Shap	Shap	Shap	Shap
19	Pawar Prajкта Laxman	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM
20	Powar Yogita Rajaram	Yat	Yat	Yat	Yat	Yat	Yat	Yat	Yat	Yat	Yat
21	Salunkhe Snehal Sukhdev	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat
22	Sarambale Komal Prabhakar	Reat	Reat	Reat	Reat	Reat	Reat	Reat	Reat	Reat	Reat
23	Suryavanshi Shital Vinayak	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat



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

Academic year 2018-19

Department of Adult & Continuing Education and Extension Work

Date : 02/01/2019

Notice

All the students admitted to certificate course, entitled '**Preparation of Household Chemicals**' are hereby informed that, practicals of this course will be conducted from date 4th Feb. 2019 at time 2:00 pm in Chemistry laboratory-2. The practical schedule for the same is given annexure-1. All the students should remain present for the same.

A.S. Tapase

Dr. A. S. Tapase

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

A.A.G.

Dr. A. A. Ghare

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



Annexure-1

Department of Adult & Continuing Education and Extension Work

Preparation of Household Chemicals

Practical schedule

Sr. No.	Day and Date	Time	Name of Experiment	Name of Teacher
1	Monday 04/02/2018	2:00 to 5:00 pm	1. Acid strength of sanitary acid 2. Preparation of Phenyl.	AST/DJS
2	Tuesday 05/02/2018		3. Preparation of Soap. 4. Saponification of oil.	AST/DJS
3	Wednesday 06/02/2018		5. Preparation of washing powder.	NHW/VBS
4	Thursday 07/02/2018		6. Preparation of liquid soap.	NHW/SRM
5	Saturday 09/02/2018		7. Preparation of dyes. 8. Preparation of natural indicator.	NHW/SRM
6	Monday 11/02/2018		9. Conductometric titration.	AST/DJS

A.S. Tapase

Dr. A. S. Tapase

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A.A. Ghare

Dr. A. A. Ghare

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

“ज्ञान, विज्ञान आणि सुसंस्कार यासाठी शिक्षणप्रसार”

शिक्षणमहर्षि डॉ. आपूजी भाळुंबे

SHRI SWAMI VIVEKANAND SHIKSHAN SANSTHA'S, KOLHAPUR

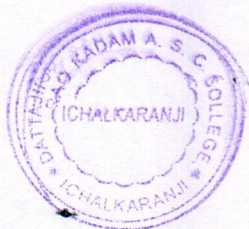
Dattajirao Kadam Arts, Science & Commerce College, Ichalkaranji.

Academic year 2018-19

Department of Adult & Continuing Education and Extension Work

Practical Attendance

Sr. No.	Name of students	04/02 2018	04/02 2018	05/02 2018	05/02 2018	06/02 2018	06/02 2018	07/02 2018	08/02 2018	09/02 2018	11/02 2018
1	Bhatmare Rushikesh Anil	BRheal	BRheal		BRheal	BRheal	BRheal	BRheal	BRheal	BRheal	BRheal
2	Chavan Sachin Baban	Suile	Suile	Suile	Suile	Suile	Suile	Suile	Suile	Suile	Suile
3	Danwade Ramizraja Yasin	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
4	Desai Aparna Ananda	AAD	AAD	AAD	AAD	AAD	AAD	AAD	AAD	AAD	AAD
5	Gaikwad Suyash Sanjay	Dmy	Dmy		Dmy	Dmy	Dmy	Dmy	Dmy	Dmy	Dmy
6	Kale Ratan Sambhaji	Ratalk	Ratalk	Ratalk	Ratalk	Ratalk	Ratalk	Ratalk	Ratalk	Ratalk	Ratalk
7	Kapale Vidya Anna	keam	keam	keam		keam	keam		keam	keam	keam
8	!Koli Sonali Chandrakant	Kolef	Kolef		Kolef	Kolef	Kolef	Kolef	Kolef	Kolef	Kolef
9	Mali Deepak Anil	malid	malid	malid	malid	malid	malid	malid	malid	malid	malid
10	Mali Sneha Bandu	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha
11	Mujawar Muskan Sadik	mush	mush	mush	mush	mush	mush	mush	mush	mush	mush
12	Patil Geeta Mallikarjun	Geetap	Geetap	Geetap	Geetap	Geetap	Geetap	Geetap	Geetap	Geetap	Geetap
13	Patil Gauri Tanaji	Gaup	Gaup	Gaup	Gaup	Gaup	Gaup		Gaup	Gaup	Gaup
14	Patil Harshada Chandrakant	Hpatil	Hpatil	Hpatil	Hpatil	Hpatil	Hpatil	Hpatil	Hpatil	Hpatil	Hpatil
15	Patil Nikita Shashikant	PRS	PRS	PRS	PRS	PRS	PRS	PRS	PRS	PRS	PRS
16	Patil Rutuja Shivkumar	PRS	PRS	NSI	NSI	NSI	NSI			NSI	NSI
17	Patil Shital Rajendra	Shep	Shep	Shep	Shep	Shep	Shep	Shep	Shep	Shep	Shep
18	Patwegar Khadija Salim .	Khup	Khup	Khup	Khup	Khup	Khup	Khup	Khup	Khup	Khup
19	Pawar Prajka Laxman	PPL	PPL	PPL	PPL	PPL	PPL	PPL	PPL	PPL	PPL
20	Powar Yogita Rajaram	YRAR	YRAR	YRAR	YRAR	YRAR	YRAR	YRAR	YRAR	YRAR	YRAR
21	Salunkhe Snehal Sukhdev	Snef	Snef	Snef	Snef	Snef	Snef	Snef	Snef	Snef	Snef
22	Sarambale Komal Prabhakar	Skom	Skom	Skom	Skom		Skom	Skom	Skom	Skom	Skom
23	Suryavanshi Shital Vinayak	Shital	Shital	Shital	Shital	Shital	Shital	Shital	Shital	Shital	Shital



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

Academic year 2018-19

*Department of Adult & Continuing Education and
Extension Work*

Notice

Date: 07/02/2019

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	Theory	Marks
14/02/2019	11:00 am to 12:30 pm	Paper-I	30
	1:00 pm to 2:30 pm	Paper-II	30
15/02/2019	11:00 am to 2:00 pm	Practical	40



AAG
(Dr. A.A. Ghare)

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

SHIVAJI UNIVERSITY, KOLHAPUR
DEPARTMENT OF LIFE LONG LEARNING AND EXTENSION
PREPARATION OF HOUSEHOLD CHEMICAL COURSE
YEAR -2018-2019 EXAMINATION

SUBJECT- MECHANISM, PRECAUTION AND CLEANING ACTION OF HOUSEHOLD
CHEMICALS(Paper-II)

Date: 14 / 02/ 2019
Day: Thursday

Time: 1.00 To 2.30
Marks:30

Q.1] Select the most correct alternative from the following and rewrite the sentence. [05M]

- i) Shaving Soap is mixed soap containing.....
a) Glycerol b) Excess of Stearic Acid c) Excess of Oil d) All of the Above
- ii) When phenol is treated with chloroform in presence of base (NaOH) followed by hydrolysis to form.
a) Mixt. Ortho. & Para. Of Salicylaldehyde b) Mixt. Ortho. & Meta. Of Salicylaldehyde
c) Salicylic acid d) Mixt. Para. & Meta. Of Salicylaldehyde
- iii) Rock salt (NaCl) is used for.....
a) Separate the soap b) Filter the soap c) Soft the soap d) Hard the soap
- iv) Phenol which on reduction by using Raney Ni. catalyst to form.....
a) Cyclohexane b) Cyclohexanol c) Cyclohexanone d) Cyclohexene
- v) Talk & Magnesium carbonate are used as.....
a) Optical brighter b) Fixative c) Colouring pigment d) Fillers

Q.2] Answer the following questions (Any three) [15M]

- a) Explain the function of soap as cleaning agents.
b) Describes types of detergent in detailed.
c) Describes Acylation Reaction on Phenol.
d) Describes the synthesis of Deriphat.
e) Explain Kolbe's Reaction.

Q.3] Attempt any one of following. [10 M]

- a) What is mean by soap? Explain types of Soaps. And its application.
b) What the Raw material of soap. Discuss in details.



SHIVAJI UNIVERSITY, KOLHAPUR
DEPARTMENT OF LIFE LONG LEARNING AND EXTENSION
PREPARATION OF HOUSHOLD CHEMICAL COURSE
YEAR -2018-2019 EXAMINATION

SUBJECT- Practical Course Paper-I & Paper-II (Paper-III)

Date: 15 / 02/2019

Time: 11.00 am to 02.00 pm

Day: Friday

Marks: 40

Q. A. Synthesis of Dyes.

[15 Marks]

1. Methyl Orange-II

OR

2. Azo-bis Beta- Naphthol dye.

Q.B. Synthesis of any Liquid Soap and its uses.

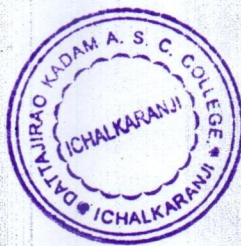
[10 Marks]

Q.C. Preparation and Standardization of any acid or base solution.

[10 Marks]

Q.D. Viva-Voce.

[05 Marks]



SHIVAJI UNIVERSITY, KOLHAPUR
Department of Lifelong Learning & Extension

No: : 10



1. Grade 'A+' Indicates 70% & above
2. Grade 'A' Indicates above 60% upto 69.99%
3. Grade 'B' Indicates above 45% upto 59.99%
4. Grade 'C' Indicates above 35% upto 44.99%

Certificate Course in Preparation of Household Chemicals


Shri/Smt. : Kambale Milan Subhash


Exam.: December 2017


Centre : Dattajirao Kadam Arts, Science & Commerce College, Ichalkaranji

17 - MAR 2018

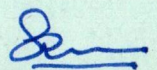
Seat No.	Paper I	Paper II	Paper III	Grand Total	Percentage	Grade	Remark
10	Theory	Theory	Practical				
Maximum Marks	30	30	40	100			
Minimum for Passing	11	11	13	35	68.00	A	Pass
Marks Obtained	17	17	34	68			


Entered by : 

Read by : 

Checked by : 

Kolhapur - Date : 17 APR 2018


Assistant Professor


I/C Director & Head



Shivaji University, Kolhapur

Department of Lifelong Learning and Extension



Estd : 1962
NAAC 'A' Grade

Certificate

This is to certify that Shri / Smt. *Danwade Ramijasa*

Yasin

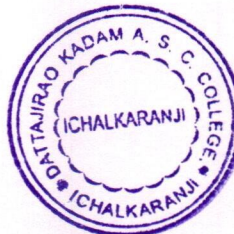
has attended the certificate course in *Preparation of Household Chemicals*

under the Continuing Education Programme from *Sept. 2018* to *Jan. 2019*

and completed the course satisfactorily in *A+* grade. The course was conducted in

Collaboration with *Dattajirao Kadam Arts, Science & Commerce College, Ichalkaranji*

3 OCT 2019



Sesuma

I/C. Director