"ব্লান, বিব্লান প্লাণি মুম্মাইকাম যামাঠি প্লিপ্লাণ্ডমাম" প্লিপ্লান্ড প্লেপ্লান্ড প্লিপ্লান্ড প্লিপ্ল প্লিপ্লান্ড প্লিপ্লান্ড প্লিপ্লান্ড প্লিপ্লান্ড প্লিপ্লান্ড প্লিপ্লান্ড

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,

georetics from

ICHALKARANJI OLA

Yours Sincerely,

Dr. A. S. Tapase

Co-ordinator,
Course under, Department of Adult &

Continuing Edu. & Ext. Work, D. K. A. S. C. College, Ichalkaranji.

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

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

10 Marks

HEAD.

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

ICHALKARANJI.

26 COLLAGO COL

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
- 1.4 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

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

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

Paper-III: -Practical's

40 Marks

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

HEAD.

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

ALKARANS

"ব্বান, বিব্বান থ্রাতা স্তুর্নাইকার যান্নাঠী থ্নিঞ্জাতাত্রনাই"

शिक्षणमहर्षि डॉ. षापूजी भाळुं खे

SHRI SWAMI VIVEKANAND SHIKSHAN SANSTHA'S, KOLHAPUR
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. Ghar

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

"बान, विज्ञान आणि सुसंस्कार यासाठी शिक्षणप्रसार" शि.म.डॉ. षापूजी साळुंखे

श्री क्यामी विवेकानंक शिक्षण संक्था, कोल्हापूरचे

Dattajirao Kadam Arts, Science & Commerce College, Ichalkaranji.

Department of Adult & Continuing Education and Extension Work

<u>Preparation of household chemicals</u>

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	!Patwegar Khadija Salim
19	! Pawar Prajkta Laxman
20	! Powar Yogita Rajaram
21	! Salunkhe Snehal Sukhdev
22	! Sarambale Komal Prabhakar
23	! Suryavanshi Shital mayak. s

HEAD,

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

"बान, विद्वान आणि भुभंक्कार याभाठी शिक्षणप्रभार" शिक्षणमहर्षि डा. षापूजी भाळुंखे

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

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,

Dr. A. A. Ghare

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

"ब्रान, विद्यान थ्राणि सुसंस्कार यासाठी श्रिक्षणप्रसार" शिक्षणमहर्षि डॉ. षापूजी भाळुंखे

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 **Theory Time Table**

Date: 03-09-2018

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

Co-ordinator,

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

(ICHALKARAN)

HEAD,

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

ICHALKARANJI.

"बान, विद्यान थ्राणि सुसंस्कार यासाठी शिक्षणप्रसार" शिक्षणमहर्षि डॉ. बापूनी साळुंखे

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

Theory Attendance

Sr. No.	Name of students	12/10/18	2 13110118	3	4 27 11014	8 7112118	8 821	18 17112	8 18 19	24 12	100
1	Bhatmare Rushikesh Anil	BRheil	BANY	BRAD	Box	Bhu	m	· Du			Bleve
2	Chavan Sachin Baban	Seul.	Steels	30	Sul	Sul	Sny	Swel	Sur	Su	Lung
3	Danwade Ramizraja Yasin	004	087	DPY	DP-	024	nny	DRI	D.B.	DRY	Den.
4	Desai Aparna Ananda	AAD	-AAD	AAD	MAD	AAC	AND	MA	ABD	ARD	ADD
5	Gaikwad Suyash Sanjay	Dest	28.	Ab	Rais	DE	Dem	Ab	DW	all	Dul
6	Kale Ratan Sambhaji	Labor	· Perhal	Res	Roul	Ruy	Per	Rue	B /20	8	Ruch
7	Kapale Vidya Anna	Ab	kam	. Vex	Kou	. Ab	620	Ab	miol	Klio	1. con
8	!Koli Sonali Chandrakant	Kales.	Sau	Su	French	· Sue	L.Ab	Sul	Re	1, 30	ens.
9	Mali Deepak Anil	madi.	malit	Medi	maul	mus	word	mer la	mus	wal	model
10	Mali Sneha Bandu	Ineshe	hos.	Snely	Sheho	Shop	Snot	P .	Stors.	One	Ah
11	Mujawar Muskan Sadik	mush	Ab	Mi	are?	ness	nu.	Mes	mes	net	ms
12	Patil Geeta Mallikarjun	Ab	Coest?	auch	- Bres	Greek	Cafe	Cres	Gra	PAL	Gego
13	Patil Gauri Tanaji (Lever	Could	Coop	Comp	Revet	Ah	Chel	Cell	Ab	(sent)
14	Patil Harshada Chandrakant	Hebrey	M. epur	1 Hel	gail	hupari)	HPad.	Hpail	Hpai	V Ab	Proposit
15	Patil Nikita Shashikant	NOW.	NSM	NAY	MZ:	NSI	Ab	AB	Quel	As	NS
16	Patil Rutuja Shivkumar	pr8	Ah	PRS	- PRS	PRS	PRS	Al	PRS	PRE	PP
17	Patil Shital Rajendra	Sheet	Shet	hub	Sout	- Ac	Shot	2 Ab	Shep	Shep	Shep
18	Patwegar Khadija Salim	Mus	Klop	1012	Ab	Sheet	Ab	key)	Khat	Ah	hule
19	Pawar Prajkta Laxman	PAL	PPL	Ph	PPL	PPL	PPL	PP.	PPL	PPL	PPL
20	Powar Yogita Rajaram	Trus	TRIA	103.	Y.Dug	4w>	Yes	10	YOU!	Ph	yerk
21	Salunkhe Snehal Sukhdev	Jenn &	Sued	3	Sul	Sul	ALL STATES	88	Ab	Ab	Sul
22	Sarambale Komal Prabhakar	pond	·Ab	Spea	Sue	Scull	Cool	8 pb.	Soul	Ab	M
23	Suryavanshi Shital Vinayak	Ab	S AM	A. 8	Suad	Sud	Ab	Sna	Ab.	Sual	Soul

"হ্বান, দিহ্বান প্রাণি মুমম্কান যামাঠী প্রিপ্পোদমান" প্রিপ্পোলচর্দি ঠা স্বাদুর্নী মার্ত্তুন্ত

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

Theory A	tten	d	an	ce
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		Theory Attendance
Sr. No.	Name of students	1-9-18 8-9-1814-18 1210418 5710418 5512 5814 5814 5410 6190
1	Bhatmare Rushikesh Anil	Brut Are Dun Down Dry Dung Burd Bee Burt 12mg
2	Chavan Sachin Baban	Essel Soul Sund See Soul Such See Soul
3	Danwade Ramizraja Yasin	DRD DRD DRD DRD DRD DRD DRD DRD
4	Desai Aparna Ananda	AAD ARE ARD ARD ARD ARD ARD ARD ARD
5	Gaikwad Suyash Sanjay	Dul Duy Doul Day Day Duy Duy Duy Don
6	Kale Ratan Sambhaji	never Ruly Ruly Ruly Rocky Bear Rougherly
7	Kapale Vidya Anna	VAK VAK VAK VAK VAK VAK VAK VAK
8	!Koli Sonali Chandrakant	hours how here her had her his the
9	Mali Deepak Anil	DAM DATA DAM DAM DAM DAM DAM DAM DAM
10	Mali Sneha Bandu	Enelogy to snehr such snehr soon sugar snehr sweeter
11	Mujawar Muskan Sadik	heigh med my must small must make make make make make med on
12	Patil Geeta Mallikarjun	Coexel Cours ceel Could broke Golf Gold Court Court Gelde.
13	Patil Gauri Tanaji	and Could and Gunt Court Court Group Group
14	Patil Harshada Chandrakant	Hele Kelytran Heart walffermely Hedy Holy Hory
15	Patil Nikita Shashikant	MAR NOTHER MET NO MED NOT MED NOT
16	Patil Rutuja Shivkumar	PPS PPS PRS PRS PRS PRS PRS PRS PRS PRS
17	Patil Shital Rajendra	Bher Bro Sno Shap Ing shap Such Sug Show Seed
18	Patwegar Khadija Salim	pheal that know know kon was long 1284
19	Pawar Prajkta Laxman	POL PPL PPL PPL PPL PM PM PM
20	Powar Yogita Rajaram	and first you yout your fait put feel four
21	Salunkhe Snehal Sukhdev	AL .
22	Sarambale Komal Prabhakar	Deve Run Pur Bue Du Ros Rich me freue
23	Suryavanshi Shital Vinayak	Sur har Short Short Strocker

"बान, विद्यान आणि सुसंस्कार यासाठी शिक्षणप्रसार" शिक्षणमहर्षि हाँ आपूनी साळुंखे

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

Theory Attendance

Sr. No.	Name of students	8111218 110119 810119 1410119 1510119 2210119 2210119 2910 3019 31 101119
1	Bhatmare Rushikesh Anil	Bheel Block Bed Bheel Block Phant Reed Bule Bul Bul
2	Chavan Sachin Baban	Such such Steel Sund Sund Sund Sund Sund Sund
3	Danwade Ramizraja Yasin	DRP PRO DRO DRD DRD DRD DRD DRD DRP
4	Desai Aparna Ananda	ADD ADD ADD ADD ADD ADD ADD DAP SOD
5	Gaikwad Suyash Sanjay	Drus Drues Day Drus Day Daw Daw Dark Dowl Daws
6	Kale Ratan Sambhaji	Rucha Ruchy Rundy Rendy Dung Bung Rung Rung Ring Rivery
7	Kapale Vidya Anna	regel vegetyren years reger part play to recens good from
8	!Koli Sonali Chandrakant	Been Real Berl Berry Kind Real Real Rul Revel
9	Mali Deepak Anil	munermore much proud mone met mater med menter
10	Mali Sneha Bandu	Such Sule Socia Such Such level Saland Section Section Section
11	Mujawar Muskan Sadik	main Mech mas mesh med man mesh mesh mesh mesh
12	Patil Geeta Mallikarjun	Gard Gent God Ge le Caral Gost Go D Gent God Good
13	Patil Gauri Tanaji	Cever Covellant Cuch Cuch Court Court Cuch Cuch
14	Patil Harshada Chandrakant	HANT HANT Hell Hard Heals Heal Heal Madrin Heals
15	Patil Nikita Shashikant	NED HED HED WAS NED HED HED HED HED HED
16	Patil Rutuja Shivkumar	PRS
17	Patil Shital Rajendra	SPP SPP SPP SPP SPP SPP SPP SPP SPP
18	Patwegar Khadija Salim	Short short Short Short Stury Story Short
19	Pawar Prajkta Laxman	pm and ppl and for ppd peloters program
20	Powar Yogita Rajaram	he and for the real that had make my
21	Salunkhe Snehal Sukhdev	Ew Sul Seed Sul Seed Sul
22	Sarambale Komal Prabhakar	Rose level full Beel hear Read level and bout
23	Suryavanshi Shital Vinayak	Swil brettend but the town he found



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

"बान, विद्यान आणि सुसंस्कार यासाठी शिक्षणप्रसार" शिक्षणमहर्षि डॉ. खापूजी साळुंखे

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

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.

Dr. A. S. Tapase

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

HEAD,

Department of Chemistry,

Pattajirao Kadam Arts, Science
& Commerce College,

ALKARANJI.

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		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	2:00 to 5:00+	5. Preparation of washing powder.	NHW/VBS
4	Thursday 07/02/2018	pm	6. Preparation of liquid soap.	NHW/SRM
5	Saturday 09/02/2018		7. Preparation of dyes.8. Preparation of natural indicator.	NḤW/SRM
6	Monday 11/02/2018		9. Conductometric titration.	AST/DJS

Dr. A. S. Tapase

Coordinator,
Department of Chemistry,
Dattajirao Kadam Arts, Science

& Commerce College, ICHALKARAN! O HADAM 4 O COLLEGE CO

Dr. A. A. Ghare

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

THALKARANJI.

"ब्रान, पिद्धान थ्राणि सुसंस्कान यासाठी शिक्षणप्रसान" शिक्षणमहर्षि ठां आपूजी साळुंखे

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	2018	2018	2018	2018	2018	2018	07/02	09/02	09/02	11/02
. 1	Bhatmare Rushikesh Anil	BR hed	BRhel		BRALL		10	RRhe		BRha	
2	Chavan Sachin Baban	Sul	Sale	Sure	Bull	Buils	Sure	Sulg	Guil	em	Swell
3	Danwade Ramizraja Yasin	DRY	DRY	DRY	DRY	DRY	DRY	DRY	TRV	DRY	DRY
4	Desai Aparna Ananda	AAD	AAD	DAD	-AAD	AAD	AAD	AAD	AAD	AAL	AAD
5	Gaikwad Suyash Sanjay	Durg	Dany		Jung	Dury	Day	Durf	Durf	Durf	Dung
6	Kale Ratan Sambhaji	Ratal	Ratak	Partail	Ratan	Rafael	Rotale	Ratal	Ratale	Rapk	Rable
7	Kapale Vidya Anna	leant	band	learny	-	Keaml	kanl		lam	- Kan	Learn
8	!Koli Sonali Chandrakant	Koles	Koles		Kales	Koles	Koles	Korles	Kolel	-Kale	roles
9	Mali Deepak Anil	malup	mate	- malip	matil	roalip	matip	malie	maliD	mali	malia
10	Mali Sneha Bandu	Inches	Siela	Shela	Shehe	Shehu	- Snehe	Sheha	Sheha	- Shehe	
11	Mujawar Muskan Sadik	much	mush	must	mush	-mush	mush	mush		mußh	mush
12	Patil Geeta Mallikarjun	Cocetap	Geeley	Geetap	Geeler	Geetap	Gelfur	Geeday	CARAGO	Gertin	Gelley
13	Patil Gauri Tanaji	care	Gaup	Gaup	Genup	Goul	Gaup	0	Garl	Soul	Goul
14	Patil Harshada Chandrakant	Apatil	[Apouti]	14 posti)	Apadil	11 patil	- Hpatit	Uputil	11 partit	Hoali	Hpatil
15	Patil Nikita Shashikant	PBS	PBS	PRS	-PRS	- PRS	PRS	PRIS	PRR	PRE	PRE
16	Patil Rutuja Shivkumar	ppe	PRS	181	NSI	0181	NS			NSI	NS
17	Patil Shital Rajendra	Shep	Shep	Shep	Shep	Shep	Shep.	Shep	Shep	Shep	There.
18	Patwegar Khadija Salim .	Klup	Khap	Phap	- khab	Khap	Khap	- Khop	KhuD	-khup	chap
19	Pawar Prajkta Laxman	ppl	PPL	PPL	PPL	PPL	PPL	PPL	PPL	PPL	PL
20	Powar Yogita Rajaram	YRIR	ypar	year	Year	YRUR	YROR	Took	- teas	YROR	YRAR
21	Salunkhe Snehal Sukhdev	Sney	-shes	Shes	Bhel	Shel	Snes	Shel	Shes	Snes	Shel
22	Sarambale Komal Prabhakar	Skome	Skund	Skome	Sponeul		Stones	Shore	Shores	Stone	Blood
23	Suryavanshi Shital Vinayak	Shitel	Shital	Shirter	Shital	Shirter	Shital	Phitel	Shity	Shirted	Shite



"ब्रान, विद्यान आणि भुभंक्काव याभाठी शिक्षणप्रभाव" शिक्षणमहर्षि डा. खापूजी भाळुंखे

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

(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 HOUSHOLD CHEMICAL COURSE YEAR -2018-2019 EXAMINATION

SUBJECT- BASIC CONCEPT OF HOUSEHOLD CHEMICALS(Paper-I)

Date: 14 / 02/2019 Day: Thursday		Time: 11.00 am Marks: 30	to 12.30 pm
Q.1] Select the most correct a	lternative form the	following and rewrite the	sentence. [05M
i) Equivalent weight of H ₂ SC			[05]
a) 98	b) 92		
c) 96	d) 100		
ii) Which of following is an exa	imple o	f Lewis Acid.	
	c) HCl		
iii)are used as house			
a) Shampoo b) Tooth past	e c) Tea po	owder d) All of the	ahove
iv) Unit of Normality is		<i>a,</i> 124 67 the	45000
a) Litre-1 b) Mol/dn	n ³ c) mol kg- ¹	d) None of the abo	ve.
v) According to Lux-Flood con	cepts acid is		
a) Electron pair Acceptor	b) Proton donor	c) Oxide ion acceptor	d) Oxide ion donor
Q.2] Answer the following que		,	
a) Describes Lewis acid and E	Bases.		[15M]
b) Explain Bronsted- Lowery	Concepts.		
c) Explain Normality in detail	ed.		
d) How will you prepared 1.6g	m of NaOH in 500 i	nl of water. Calculate Molar	rity of NaOH of
Solution.		o mediate iviolat	ity of NaOH of
Q.3] Attempt any one of follow	ing.		[40]
a) Explain the Arrhenous the	ory of acids & base	with suitable example	[10]
b) Write an assay on market s			



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

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

Date: 14/02/2019 Time: Day: Thursday Marks:30 Q.1] Select the most correct alternative form 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 Salicylaldhyde b) Mixt.Ortho. & Meta . Of Salicylaldhyde c) Salicylic acid d) Mixt.Para. & Meta . Of Salicylaldhyde 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) Cycloxanone 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



Grand

Total

100

35

68

Percentage

68.00

- 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

Paper I

Theory

30

11

17

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

Paper II

Theory

30

11

17

Exam.: December 2017

Grade	Remark
A	Pass

Entered by :

Marks Obtained

Maximum Marks

Seat No.

10

Minimum for Passing

Read by:

Checked by:

Kolhapur - Date: 1 7 APR

Assistant Professor

Paper III

Practical

40

13

34

I/C Director & Head



I/C. Director



Department of Lifelong Learning and Extension



Estd: 1962 NAAC 'A' Grade

Certificate s

This is to certify that Shri / Smt.	panwade 9	Ramijsaja
V-asin .		00
has attended the certificate cours	e in Preparation	of Household
Chemicals		
under the Continuing Education P	Programme from Sept. 3	one to Gan. 2019
and completed the course satisfac	ctorily ingrade. T	he course was conducted in
Collaboration with Dottoji	cao Kadam A	lets, Science &
Commerce College	e, Ichalkaeanji	
	TADAM A. S. C.	Ossuma

\$3.00T 2019