

RAYAT SHIKSHAN SANSTHA'S
RAJARSHI CHH. SHAHU COLLEGE, KOLHAPUR.

DEPARTMENT OF CHEMISTRY

05/11/2018

Notice

All the students of the college are informed that, Certificate course "Preparation of Household Chemicals" is being started in our college by the Department of Chemistry; all the interested students should submit their names to the Coordinator Dr. K. V. Gaikwad Sir.



Coordinator
Dr. K. V. Gaikwad

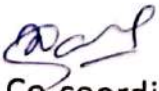


Principal,
Rajarshi Chh. Shahu College
Kolhapur.

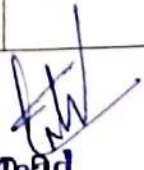
CERTIFICATE COURSE IN "PREPARATION OF HOUSE HOLD CHEMICALS"-2018-19

LIST OF STUDENTS

Sr. No	Name of Students	Address	Contact Number
1	Bhosale Digvijay sambhaji	A/P- Herle, Tal- Hat. Dist- Kolhapur	9075296643
2	Desai Rushikesh Mahadev	A/P- Rukadi, Tal- Hat. Dist- Kolhapur	7757832534
3	Dhotare Suraj Prakash	A/P- Valivade, Tal- Karveer Dist-Kolhapur	9130383236
4	Dhuri Uday Arjun	A/P- Umagaon, Tal- Chandgad. Dist-Kolhapur	9689734264
5	Dhuri Vaibhav Shivaji	A/P- Umagaon, Tal- Chandgad. Dist-Kolhapur	9921608108
6	Gaikwad Rushikesh Dadaso	A/P- Valivade, Tal- Karveer Dist-Kolhapur	7066609494
7	Gund Suraj shankar	A/P- Ashti, Tal- Mohol Dist- Solapur	9689696515
8	Hajare Aniket Yashwant	A/P- Vikramnagar, Kolhapur	7083120068
9	Jagtap Sourabh Dilip	A/P- Valivade, Tal- Karveer Dist-Kolhapur	7499246171
10	Kadukar Nilesh Rajaram	A/P- Asgol Tal-chandgad, Dist- Kolhapur.	7517707871
11	Mahadik Rushikesh Vilas	A/P- Sulkud, Tal- Kagal Dist- Kolhapur	8605767271
12	Mujawar Aman Mahamadfaruk	A/P- Herle, Tal- Hat. Dist- Kolhapur	8805175185
13	Pathan Arbaj rajak	A/P- shiye, Tal- Karveer Dist- Kolhapur	9923436163
14	Shinde Prajakta Sanjay	A/P- Uchgaon, Tal- Karveer Dist-Kolhapur	7709431214
15	Shinde Prathmesh Sambhajirao	A/P- Yalgud, Tal- Hat. Dist- Kolhapur	7875226671


Course Co-coordinator
[Dr. K. V. Gaikwad]




Head
Department of Chemistry
Rajarshi Chh. Shahu College, Kolhapur

RAYAT SHIKSHAN SANSTHA'S
RAJARSHI CHHATRAPATI SHAHU COLLEGE, KOLHAPUR
DEPARTMENT OF CHEMISTRY

**CERTIFICATE COURSE IN PREPARATION OF HOUSEHOLD
CHEMICALS**

Time Table 2018-19

S. No.	Time pm	MON	TUE	WED	THU	FRI	SAT
1	4.30.- 05.30 pm	SNP	SCM	GDK	RPG	KVG	KVG/SNP/GDK PRACTICAL 9.00-10.30 a.m.

KVG- Dr. Kishor V Gaikwad

SNP- Miss. S. N. Patil

SCM- Miss. S. C. More

GDK- Dr. G. D. Kokate

RPG- Miss. R. P. Ghorpade

Head Dept.

Department of Chemistry

Rajarshi Chh. Shahu College, Kolhapur



RAJARSHI CHHATRAPATI SHAHU COLLEGE, KOLHAPUR
DEPARTMENT OF CHEMISTRY
PREPARATION OF HOUSEHOLD CHEMICAL COURSE
YEAR -2018-2019 EXAMINATION

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

Date: 08/04/2019
Day: Monday

TIME: 11.00 am to 12.30 pm
Marks: 30

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

i) Equivalent weight is also known as

- a) Chemical Equivalent b) Combining Weight
c) Both a & b d) None of the above

ii) The number of moles of solute present in 1000 gms of solvent is known as

- a) Normality b) Molarity c) Molfraction d) Molality.

iii) NaOH and KOH are bases.

- a) Monoacid b) Diacid c) Triacid d) None of these

iv) Equivalent weight of NaOH is

- a) 40 b) 50 c) 30 d) 60

v) According to Lux – flood concept acid is

- a) Electron pair acceptor b) Proton donor c) Oxide ion acceptor d) Oxide ion donor

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

i) Discuss the House hold chemicals in day to day life with suitable examples

ii) What are Natural Indicators Explain its use and method of preparation

iii) Explain in detailed the concept of Normality.

iv) Explain Bronsted – Lowery concept of acid & base.

v) If 45gm of HCl is dissolved up to one liter of water. Calculate Normality of HCl solution.

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

i) Explain the Arrhenius theory of acids & bases with suitable example.

ii) Explain the preparation of Dyes from plants in Detail.


F. V. G.
Department of Chemistry
Rajarshi Chh. Shahu College, Kolhapur.

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DEPARTMENT OF CHEMISTRY
PREPARATION OF HOUSEHOLD CHEMICAL COURSE
YEAR -2018-2019 EXAMINATION

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

Date: 08 /04 / 2019

TIME: 01.30 pm to 03.00 pm

Day: Monday

Marks: 30

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

i) The general formula of Phenol is.....

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

ii) Deriphat is an

- a) Anionic detergent b) Cationic detergent c) Ampholytic detergent d) All of the above

iii) Phenol which on reduction by using Raney Ni catalyst to form.....

- a) Cyclohexane b) Cyclohexanol c) Cyclohexanone d) Cyclohexene

iv) Shaving Soap is mixed soap containing.....

- a) Glycerol b) Excess of Stearic Acid c) Excess of Oil d) All of the Above

v) Some of alkali is present in Soap.

- a) Washing b) Toilet c) Shaving d) None of these

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

[15M]

- i) Explain Antiseptic and Disinfectant
- ii) Compare Soap and Detergent
- iii) Explain the function of soap as cleaning agents.
- iv) Describes the synthesis of Deriphat.
- v) Describes Acylation reaction on Phenol.

Q.3] Attempt any one of following.

[10 M]

- i) What is mean by Soap? Explain types of Soaps and its application.
- ii) What the Raw material of soap. Discuss in details.


Head
Department of Chemistry
Rajarshi Chh. Shahu College, Kolhapur.



RAJARSHI CHHATRAPATI SHAHU COLLEGE, KOLHAPUR
DEPARTMENT OF CHEMISTRY
PREPARATION OF HOUSHOLD CHEMICAL COURSE
2018-19 EXAMINATION

SUBJECT: - Practical Course Paper III

DATE; - / /2019
DAY: -

TIME: - 11.00 am to 2.00 pm
Marks: - 40

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- Que: 1.** Synthesis of White Phenyl [15 Marks]
- Que: 2.** Preparation and Standardization of any acid or base solution [15 Marks]
- Que: 3.** Market Survey of soaps, liquid soaps. [05 Marks]
- Que: 4.** Viva-voce [05 Marks]



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Department of Chemistry

"CERTIFICATE COURSE IN PREPARATION OF HOUSE HOLD CHEMICALS" -2018-19

RESULT

Sr. No.	Name of Students	Paper I	Paper II	Practical	Total
1	Bhosale Digvijay sambhaji	23	21	34	78
2	Desai Rushikesh Mahadev	24	26	36	86
3	Dhotare Suraj Prakash	20	24	33	77
4	Dhuri Uday Arjun	22	24	33	79
5	Dhuri Vaibhav Shivaji	23	15	30	68
6	Gaikwad Rushikesh Dadaso	17	26	35	78
7	Gund Suraj Shankar	19	25	32	76
8	Hajare Aniket Yashwant	18	26	35	79
9	Jagtap Sourabh Dilip	22	24	35	81
10	Kadukar Nilesh Rajaram	19	26	35	80
11	Mahadik Rushikesh Vilas	20	27	35	82
12	Mujawar Aman Mahamadfaruk	23	23	34	80
13	Pathan Arbaj rajak	24	26	35	85
14	Shinde Prajakta Sanjay	21	21	35	77
15	Shinde Prathmesh Sambhajirao	20	21	34	75

Sr. No.	Name of the student	%
1	Desai Rushikesh Mahadev	86
2	Pathan Arbaj rajak	85
3	Mahadik Rushikesh Vilas	82

Course Co-coordinator
[Dr. K. V. Gaikwad]



H. P. D. **Head**

Department of Chemistry
Rajarshi Chh. Shahu College, Kolhapur

RAYAT SHIKSHAN SANSTHA'S
RAJARSHI CHH. SHAHU COLLEGE, KOLHAPUR.

REPORT ON,

"CERTIFICATE COURSE IN PREPARATION OF HOUSE HOLD CHEMICALS-2018-19"

This is Three months short term course, in which total **15 students** have been admitted and the fees charged **Rs 300** for each student. In this course we taught them about the two different papers namely, the basic about household chemicals and Mechanism, precaution and cleaning action of household chemicals.

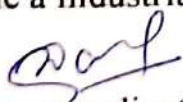


In this course students learn about the basic concepts of preparation of household chemicals like **Mole** concepts, Concentration, Units of concentration, Normality, Molarity, Molality, Mole Fraction, Percentage composition by volume,

Percentage composition by weight. Types of titration, Indicators (Artificial and Natural) Theory and types. Theory and types, Raw materials, Types of soaps, Manufacture of soaps, Hot Process, Cleaning action of soaps, Introduction of Detergents, Types of detergents, Cationic, anionic, amphoteric and neutral detergents.



They also done some Practical's in which they prepared the different types of household chemicals like, Phenyl, Washing Powder, Liquid soap, Neel, Oil soap etc. also they have done the titration methods and preparation of Natural Indicators by different flowers like, Rose, Allamanda blanchetti, sadafuli, pichkari, cassia siamea, Cashmere bouquet, Nerium, Hibiscus, Pinnata etc. The exam was conducted on 8th April 2019, Due to this course students are attracted to work or become a Industrialist of small scale Industries.


Course co-ordinator


Department of Chemistry
Paiarshi Chh. Shahu College, Kolhapur