

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

DEPARTMENT OF CHEMISTRY

10/11/2017

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



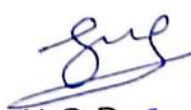
Principal,
Rajarshi Chh. Shahu College
Kolhapur.

LIST OF STUDENTS

Sr. No.	Name of Students	Sr. No.	Name of Students
1	Bhosale Anjali Sanjay	19	Kedar Ranjeet Balaso
2	Bhosale Shivani satappa	20	Khabade Rushikesh Jitendra
3	Chandane Prajakta Jaysing	21	Khurpe Nikhita Dadaso
4	Chougale Premala Krishnat	22	Kumtole Divyarani Shital
5	Desai Vishakha Shivaji	23	Landage Mansinh Raghunath
6	Devasthali Shivani Pramod	24	More Nikhil Vishwas
7	Dharmadhikari Sakshi Baburao	25	Mulla Samira Mahmmad
8	Jamadar Malik Shamshuddin	26	Padekar Irshad mainoddin
9	Juber Abdulvahab Samadhan	27	Padmakar Diksha Sidharth
10	Kadam Madhuri Suryakant	28	Pandit Pritam Pradip
11	Kale Sneha Suresh	29	Patil Mayuri Raosaheb
12	Kamble Abhijeet Uttam	30	Patil Sushama Dattatray
13	Kamble Aniket Kiran	31	Pujari Anil Shivaji
14	Kamble Dhanaji Maruti	32	Rugal Sharvari Balaso
15	Kamble Onkar Bhauso	33	Shinde Shubham Rajendra
16	Kamble Pooja satish	34	Sutar Bhagyashri Laxman
17	Kamble Vijaya Vinod	35	Varekar Pournima Suresh
18	Kavthekar Prerana Rajendra	36	Waghmare Sumit Kailas


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




H.O.D.
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 2017-18

S. No.	Time pm	MON	TUE	WED	THU	FRI	SAT
1	4.30-5.30 pm	ABD	GSP	DDP	SNP	KVG	SCM
2	9.00-10.30 a.m.						KVG/SNP/SCM PRACTICAL

KVG- Dr. Kishor V Gaikwad

SNP- Miss. S. N. Patil

ABD- Mr. A. B. Dhenge

GSP- Miss. G. S. Patil

DDP- Miss. D. D. Patil

SCM- Miss. S. C. More

Co-Ordinator



(Dr. Kishor V Gaikwad)




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

RAJARSHI CHHATRAPATI SHAHU COLLEGE, KOLHAPUR
DEPARTMENT OF CHEMISTRY
PREPARATION OF HOUSEHOLD CHEMICAL COURSE
YEAR -2017-2018 EXAMINATION



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

Date: /04/2018
Day:

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) Molecular weight is also known as

- a) Chemical Equivalent b) molecular mass
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) HCl and H₂SO₄ are Acids.

- a) Monoacid b) Diacid c) Triacid d) Strong Acids

iv) Equivalent weight of NaOH is

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

v) According to Lux – flood concept base 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) Explain in detailed the concept of Molarity.

ii) Explain Lux – flood concept of acid & base

iii) If 88gm of HCl is dissolved up to one liter of water. Calculate Normality of HCl solution.

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

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

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

i) Explain the Brønsted-Lowry theory of acids & bases with suitable example.

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



RAJARSHI CHHATRAPATI SHAHU COLLEGE, KOLHAPUR
DEPARTMENT OF CHEMISTRY
PREPARATION OF HOUSEHOLD CHEMICAL COURSE
YEAR -2017-2018 EXAMINATION



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

Date: /04 / 2018

Day:

TIME: 01.30 pm to 03.00 pm

Marks: 30

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

i) Alkali that cannot be used for soap making from oil

- a) Caustic soda b) Caustic potash c) Ethanol amine d) Any of these

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

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

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

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

iv) talc and magnesium carbonate are used as.....

- a) Optical brightner b) Fixative c) Coloring pigments d) Fillers

v) Deriphat is an

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

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

i) Explain Antiseptic and Disinfectant

ii) What are the types of Detergent

iii) What are the raw material used in Soap preparation

iv) Describes the synthesis of Deriphat.

v) Describes Acylation reaction on Alcohol.

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

i) What is mean by Soap? Explain types of Soaps and its application.

ii) Explain the difference between Soap and Detergents



RAJARSHI CHHATRAPATI SHAHU COLLEGE, KOLHAPUR
DEPARTMENT OF CHEMISTRY
PREPARATION OF HOUSEHOLD CHEMICAL COURSE
2017-18 EXAMINATION

SUBJECT: - Practical Course Paper III

DATE; - / /2018
DAY: -

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

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- Que: 1. Preparation of Liquid Soap [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]



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

Department of Chemistry

"CERTIFICATE COURSE IN PREPARATION OF HOUSE HOLD CHEMICALS" -2017-18


MARK LIST

- 31 MARCH 2018.

Sr. No.	Name of Students	Paper I	Paper II	Practical	Total
1	Bhosale Anjali Sanjay	18	26	35	79
2	Bhosale Shivani satappa	18	25	34	77
3	Chandane Prajakta Jaysing	20	24	33	77
4	Chougale Premala Krishnat	22	24	33	79
5	Desai Vishakha Shivaji	23	15	30	68
6	Devasthali Shivani Pramod	24	24	35	83
7	Dharmadhikari Sakshi Baburao	19	25	32	76
8	Jamadar Malik Shamsuddin	22	24	35	81
9	Juber Abdulvahab Samadhan	19	25	32	76
10	Kadam Madhuri Suryakant	17	26	35	78
11	Kale Sneha Suresh	20	27	35	82
12	Kamble Abhijeet Uttam	23	23	34	80
13	Kamble Aniket Kiran	22	24	35	81
14	Kamble Dhanaji Maruti	20	24	35	79
15	Kamble Onkar Bhauso	20	21	34	75
16	Kamble Pooja satish	19	26	35	80
17	Kamble Vijaya Vinod	22	24	35	81
18	Kavthekar Prerana Rajendra	24	26	35	85
19	Kedar Ranjeet Balaso	20	25	34	79
20	Khabade Rushikesh Jitendra	22	26	34	82
21	Khurpe Nikhita Dadaso	23	21	34	78
22	Kumtore Divyarani Shital	24	26	36	86
23	Landage Mansinh Raghunath	21	21	35	77

24	More Nikhil Vishwas	AB	AB	AB	AB
25	Mulla Samira Mahmmad	20	25	34	79
26	Padekar Irshad mainoddin	24	26	34	84
27	Padmakar Diksha Sidharth	23	23	35	81
28	Pandit Pritam Pradip	20	21	34	75
29	Patil Mayuri Raosaheb	20	24	35	79
30	Patil Sushama Dattatray	21	24	34	79
31	Pujari Anil Shivaji	20	18	32	70
32	Rugge Sharvari Balaso	21	22	35	78
33	Shinde Shubham Rajendra	20	22	35	77
34	Sutar Bhagyashri Laxman	18	23	35	76
35	Varekar Pournima Suresh	19	15	34	68
36	Waghmare Sumit Kailas	20	21	35	77

Sr. No.	Name of the student	%
1	Kumtole Divyarani Shital	86
2	Kavthekar Prerana Rajendra	85
3	Padekar Irshad mainoddin	84


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




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-2017-18"

This is three months short term course, in which total **36 students** have been admitted. 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 is conducted on 31st March 2018, Due to this course students are attracted to work or become a Industrialist of small scale Industries.


Course Co-ordinator




Head
Department of Chemistry
Maharshi Chh. Shahu College, Kolhapur