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

### **DEPARTMENT OF CHEMISTRY**

18/11/2020

### **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 KOLHAPUR CO

Principal,
Rajarshi Chh. Shahu Colle,
Kolhapur.

#### Rayat Shikshan Sanstha's

### Rajarshi Chhatrapati Shahu College Kolhapur Department of Chemistry

### "Certificate Course in Preparation of Household Chemicals"

### List of Students 2020-21

Sr. No.	Roll No.	STUDENTS NAME
1	SII-1	CHILE MAYUR RANGRAO
2	SII-2	KAMBLE GURUPRASAD SUNIL
3	SII-3	PARIT SHAILESH SANJAY
4	SII-7	GURAV OM PRAKASH
5	SII-8	JAMADADE PRITEE PRAVIN
6	SII-9	AKIWATE PRATHAMESH RAVINDRA
7	SII-10	AWATE RUSHIKESH SANJAY
8	SII-11	CHAVAN AMRUTA NIVRUTTI
9	SII-12	CHOUGULE SWAPNIL SUNIL
10	SII-14	HERLE AMRUTA DHANAЛ
11	SII-15	JADHAV SWAPNIL ASHOK
12	SII-16	KAMBLE AISHWARYA SANJAY
13	SII-17	KAMBLE MANASHRI HINDURAO
14	SII-20	KHAVARAE PRAJWAL PRAKASH
15	SII-21	KHEDKAR SHIVANI MOHAN
16	SII-22	KOGALE VISHAKHA VISHWAS
17	SII-26	PANDEY LALITESH S.
18	SII-27	SHELAKE VITTHAL SAKARU
19	SII-28	SHETE AMRUTA AJIT
20	SII-30	SODMISE AKANKSHA RAJU
21	SII-31	SURYAVANSHI RANI DILIP
22	SII-37	KAMBLE PRATHAMESH SUNIL



	23   SII-38		1-38	A)	RALEKAR SAKSHI TANAJI					
	24		SII-39		D	DIXIT OMKAR CHANDRAKANT				
$\vdash$	25		SII-40		Н	HEGADE DHAIRYASHIL P.				
-	2	6	SII-41		K	KAMBLE SONAL SACHIN				
1	2	27	1	SII-42	5	SONAVALE ANJALI ASHOK				
1	-	28		SII-43	1	CHAVAN SHREYA EKNATH				
		29	1	SII-58	1	GAIKWAD GOUTAMI DILIP				
		30		SII-61		GAWADE SHIVANI RAHUL HANDE VINOD BALU				
		31	1 SII-62		2					
		32		SII-6	3	JADHAV OMKAR KUMAR				
	3		33 SII-65 34 SII-66		55	JADHAV VIVEK ARUN				
					56	6 JAGTAP VIVEK MITU				
			5	SII-	67	JAMADAR YASMIN MANSUR				
		3	36 SII-		68	KAMBLE AMIR VIKRAM				

Co-ordinator (Dr. K. V. Gaikwad)



Head of Chemistry

Department of Chemistry

Paigrab: Chh. Shahu Callaga, Kalhanu-

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

### CERTIFICATE COURSE IN PREPARATION OF HOUSEHOLD CHEMICALS

#### **Time Table 2020-21**

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

KVG- Dr. Kishor V Gaikwad

PSI- Mr. P. S. Ingole

SNP- Miss. S. N. Patil

SCM- Miss. S. C. More

ASP- Miss. A. S. Prabhavalikar

Co-Ordinator

(Dr. Kishor V Gaikwad)

Head of Department Head

Department of Chemistry Paiarshi Chh. Shahu College, Kelhapur

# RAJARSHI CHHATRAPATI SHAHU COLLEGE, KOLHAPUR DEPARTMENT OF CHEMISTRY PREPARATION OF HOUSHOLD CHEMICAL COURSE YEAR -2020-2021 EXAMINATION

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

Date: Day:	/04 / 2021	TIME: 01.30 pm to 03.00 pm Marks: 30	
Que.	1] Select the most correct alternative from	the following and rewrite the sentence.	(5M)
	i) Gram equivalent wt of solute per litre of	solvent is called as	
	a) Normality	b) Molarity	
	c) Molality	d) Grams	
	ii) The proton donor substance are called as	S	C
	a)Acid	b) Base	SOLE
	c) Both a and b	d) none of these	The state of the s
	iii) 15 % solution of a substance contains.		3
	a)15	b)20	KS W
	c) 10.5	d) 11	
	iv) Which of the following is not the unit of		
	a) Normality	b) Molarity	
	c) Molality	d) kg	
	v) Which of the following is not a cleaning	b) dettol	
	a)Soyabeen oil	d) savlon	
	c) lysol	u) surron	
Qu	e.2] Answer the following questions (Any th	aree)	(15 M)
	i) What are acid and bases? Explain in de	etail Arrheneous theory of acid and bases with	example.
	ii) Explain in detail Lewis concept of acid		
	iii) Explain in detailed Bronsted- Lowry o	concept with example.	
	iv) Write a short note of cleaning action o	of acids and precausion taken while handling t	he acids
	solutions.		
0	ue.3] Attempt any one of the following.		(10 M)
i	) What is mean by titration? Give the different	types of titration and explain any one of these	e with example.
ii	i)Define the term indicators. Give their types and	nd theory of indicators.	
		*********	*****
*	*************	******	

### RAJARSHI CHHATRAPATI SHAHU COLLEGE, KOLHAPUR

### DEPARTMENT OF CHEMISTRY

### PREPARATION OF HOUSHOLD CHEMICAL COURSE

### YEAR -2020-2021 EXAMINATION

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

DATE; - / /2021

DAY: -

ii)

What is Detergents, what are its types?



TIME: - 11.00 am to 12.30 pm

Marks: - 30

			TV 0 30	<del>3</del>	
Que. 1] Select	the most correct a	lternative fro		wing and rewrite the sentence.	(5M)
i)Pheno	ol ishy	droxy compoun	ıd.		
	a) aliphatic			b) aromatic	
	c) cyclic			d) none of these	
ii)In p	henol the -OH grou	p is directly att	ach to the .	hybridised carbon atom.	
	a)SP2			b)SP <sup>3</sup>	
	c)SP			d)SP3d	
iii)Ca	rbolic acid is also k	nown as			
97 <b>-</b> 2	a)Phenol	Į.		b) Carboxylic acid	
	c) Phenyl			d) all of these	
iv)Ph	enyl is use as a				
	a)stippe	:		b) Cleaning agents	
	c) disinfe	ctant		d) Both b and c.	
v)So	aps are alkali metal	salt of higher			
	a)alkyl		b) ar		
)	c) both a	and b.		d) fatty	
Oue.21 Ans	wer the following o	uestions (Any	three)		(15 M)
				ne by DOW- process.	
	**************************************			ne by Do W process.	
ii)Di	iscuss in detail the c	leaning action of	of soap.		
iii) I	Define soap. Give th	eir types			
	a) Cumene	b) Aniline			
iv) l	Explain the term sel	f employment.			
Que.3] Att	tempt any one of th	e following.			(10 M)
i)	Discuss the Man	ufacture of soar	by HOT -	Process	

# RAJARSHI CHHATRAPATI SHAHU COLLEGE, KOLHAPUR DEPARTMENT OF CHEMISTRY PREPARATION OF HOUSHOLD CHEMICAL COURSE 2020-21 EXAMINATION

### SUBJECT: - Practical Course Paper III

DATE; - / /2021

DAY: -

TIME: - 11.00 am to 2.00 pm

Marks: - 40

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Que: 1. Synthesis of 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" -2020-21

### **RESULT**

Sr.		Paper	Paper	Practical	Total	
No.	Name of Students	I	11		· Juli	
1	CHILE MAYUR RANGRAO	20	24	35	79	
2	KAMBLE GURUPRASAD SUNIL	21	24	34	79	
3	PARIT SHAILESH SANJAY	20	20	30	70	
4	GURAV OM PRAKASH	21	22	35	78	
5	JAMADADE PRITEE PRAVIN	18	23	35	76	
6	AKIWATE PRATHAMESH RAVINDRA	19	15	34	68	
7	AWATE RUSHIKESH SANJAY	22	26	36	84	
8	CHAVAN AMRUTA NIVRUTTI	23	21	34	78	
9	CHOUGULE SWAPNIL SUNIL	27	26	36	89	
10	HERLE AMRUTA DHANAJI	18	26	35	79	
11	JADHAV SWAPNIL ASHOK	18	25	34	77	
12	KAMBLE AISHWARYA SANJAY	20	24	33	77	
13	KAMBLE MANASHRI HINDURAO	22	24	35	81	
14	KHAVARAE PRAJWAL PRAKASH	19	22	35	76	
15	KHEDKAR SHIVANI MOHAN	20	21	34	75	
16	KOGALE VISHAKHA VISHWAS	19	26	35	80	
17	PANDEY LALITESH S.	AB	AB	AB	AB	
18	SHELAKE VITTHAL SAKARU	26	26	35	87	
19	SHETE AMRUTA AJIT	17	26	35	78	
20	SODMISE AKANKSHA RAJU	20	27	35	82	

SURYAVANSHI RANI DILIP	23	15	30	60
KAMBLE PRATHAMESH SUNIL				68
ARALEKAR SAKSHI TANAJI				83
				76
				82
	17	26	35	78.
	20	27	35	82
SONAVALE ANJALI ASHOK	20	25	35	80
CHAVAN SHREYA EKNATH	20	25	34	79
GAIKWAD GOUTAMI DILIP	24	26	34	84
GAWADE SHIVANI RAHUL	23	23	35	81
HANDE VINOD BALU	20	21	34	75
JADHAV OMKAR KUMAR	22	24	35	81
JADHAV VIVEK ARUN	20	24	34	78
JAGTAP VIVEK MITU	20	22	30	72
JAMADAR YASMIN MANSUR	24	22	35	81
KAMBLE AMIR VIKRAM	18	23	32	73
	KAMBLE PRATHAMESH SUNIL ARALEKAR SAKSHI TANAJI DIXIT OMKAR CHANDRAKANT HEGADE DHAIRYASHIL P. KAMBLE SONAL SACHIN SONAVALE ANJALI ASHOK CHAVAN SHREYA EKNATH GAIKWAD GOUTAMI DILIP GAWADE SHIVANI RAHUL HANDE VINOD BALU JADHAV OMKAR KUMAR JADHAV VIVEK ARUN JAGTAP VIVEK MITU JAMADAR YASMIN MANSUR	KAMBLE PRATHAMESH SUNIL  ARALEKAR SAKSHI TANAJI  DIXIT OMKAR CHANDRAKANT  HEGADE DHAIRYASHIL P.  KAMBLE SONAL SACHIN  SONAVALE ANJALI ASHOK  CHAVAN SHREYA EKNATH  GAIKWAD GOUTAMI DILIP  GAWADE SHIVANI RAHUL  JADHAV OMKAR KUMAR  JADHAV VIVEK ARUN  JAGTAP VIVEK MITU  JAMADAR YASMIN MANSUR	KAMBLE PRATHAMESH SUNIL       24       24         ARALEKAR SAKSHI TANAJI       19       25         DIXIT OMKAR CHANDRAKANT       24       26         HEGADE DHAIRYASHIL P.       17       26         KAMBLE SONAL SACHIN       20       27         SONAVALE ANJALI ASHOK       20       25         CHAVAN SHREYA EKNATH       20       25         GAIKWAD GOUTAMI DILIP       24       26         GAWADE SHIVANI RAHUL       23       23         HANDE VINOD BALU       20       21         JADHAV OMKAR KUMAR       22       24         JADHAV VIVEK ARUN       20       24         JAGTAP VIVEK MITU       20       22         JAMADAR YASMIN MANSUR       24       22	KAMBLE PRATHAMESH SUNIL       24       24       35         ARALEKAR SAKSHI TANAJI       19       25       32         DIXIT OMKAR CHANDRAKANT       24       26       32         HEGADE DHAIRYASHIL P.       17       26       35         KAMBLE SONAL SACHIN       20       27       35         SONAVALE ANJALI ASHOK       20       25       35         CHAVAN SHREYA EKNATH       20       25       34         GAIKWAD GOUTAMI DILIP       24       26       34         GAWADE SHIVANI RAHUL       23       23       35         HANDE VINOD BALU       20       21       34         JADHAV OMKAR KUMAR       22       24       35         JADHAV VIVEK ARUN       20       24       34         JAGTAP VIVEK MITU       20       22       30         JAMADAR YASMIN MANSUR       24       22       35

Sr.	Name of the student	%
No.	CHOUGULE SWAPNIL SUNIL	89
$\frac{1}{2}$	SHELAKE VITTHAL SAKARU	87
3	AWATE RUSHIKESH SANJAY	84

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

—H**Hend** Department of Chemistry Rajarshi Chh. Shahu College, Kelhapur

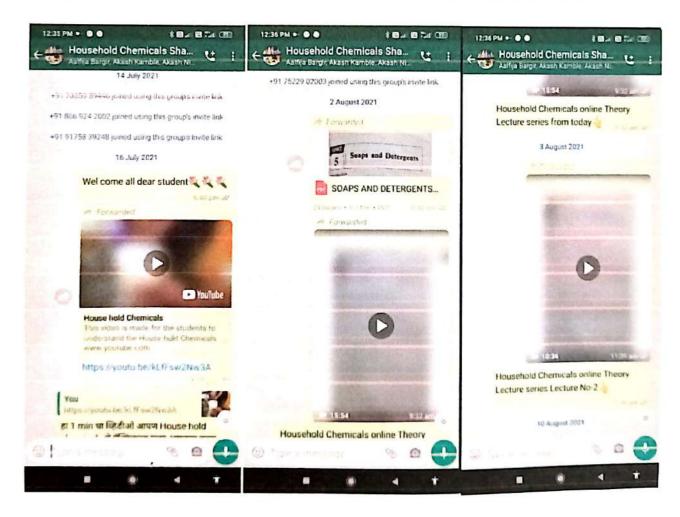
#### Rayat Shikshan Sanstha's

### Rajarshi Chhatrapati Shahu College, Kolhapur. Department of Chemistry.

#### Report on,

### "Preparation of Household Chemicals 2020-2021"

The Skill Based Course was run on a short term basis for the students in the college in the academic year 2020-2021. After appealing to the students for this course, the students expressed their desire for admission in this course. In this connection, the names of 36 students became available for admission in this course. The fee for this course was Rs-300, but all the students did not pay the fees. Many students showed inability to pay the fees due to Corona crisis, so no student fees were collected.





Since the Preparation of Household Chemicals course is hands-on training and demonstration, the students had to take a demonstration in it, but the closure of all the laboratories due to corona, these students could not do the practicals. Those students could not be given hands-on training. As a result, students were given only a few online lectures and shared some online videos and study material for the course.

### "Preparation of Household Chemicals"

#### List of Students 2020-21

Sr. No.	Roll No.	STUDENTS NAME
1	SII-1	CHILE MAYUR RANGRAO
2	SII-2	KAMBLE GURUPRASAD SUNIL
3	SII-3	PARIT SHAILESH SANJAY
4	SII-7	GURAV OM PRAKASH
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10	SII-14	HERLE AMRUTA DHANAJI
11	SII-15	JADHAV SWAPNIL ASHOK
12	SII-16	KAMBLE AISHWARYA SANJAY
13	SII-17	KAMBLE MANASHRI HINDURAO
14	SII-20	KHAVARAE PRAJWAL PRAKASH
15	SII-21	KHEDKAR SHIVANI MOHAN
16	SII-22	KOGALE VISHAKHA VISHWAS
17	SII-26	PANDEY LALITESH S.
18	SII-27	SHELAKE VITTHAL SAKARU
19	SII-28	SHETE AMRUTA AJIT
20	SII-30	SODMISE AKANKSHA RAJU



2	1 SII-31		-31	SURYAVANSHI RANI DILIP				
- 2	22 SII-37		1-37	KAMBLE PRATHAMESH SUNIL				
	23	SII-38		ARALEKAR SAKSHI TANAJI				
	24		1-39	DIXIT OMKAR CHANDRAKANT				
_	25	SI	П-40	HEGADE DHAIRYASHIL P.				
	26	S	11-41	KAMBLE SONAL SACHIN				
$\vdash$	27	S	11-42	SONAVALE ANJALI ASHOK				
1	28	SII-43		CHAVAN SHREYA EKNATH				
1	29	SII-58		GAIKWAD GOUTAMI DILIP				
	30		SII-61	GAWADE SHIVANI RAHUL				
	31	SII-62 SII-63		HANDE VINOD BALU				
	32			JADHAV OMKAR KUMAR				
	33	SII-65		JADHAV VIVEK ARUN				
	34	SII-66		JAGTAP VIVEK MITU				
	35	5	SII-67	7 JAMADAR YASMIN MANSUR				
	3	SII-6		8 KAMBLE AMIR VIKRAM				

Co-ordinator (Dr. K. V. Gaikwad)

Head of Chemistry Dept.

Department of Chemistry Paiarshi Chh. Shahu College, Kolhapur

Mund I/CPRINCIPAL R.C. SHAHU COLLEGE KOLHAPUR