

Rayat Shikshan Santha's Shri Sadguru Gangageer Maharaj Science , Gautam Arts & Sanjivani Commerce College, Kopargaon – 423601, Dist.- Ahmednagar, M. S. – India

Internal Quality Assurance Cell (IQAC)

2020-21

Syllabus Approval Letter

The IQAC committee has approved the submitted syllabus of short term/Certificate course planned to be conducted by the Department of Chemistry.

Sr.No.	Name of Course	-	
01		Type of Course Short term course/Certificate	
	Safety and general Awareness in Chemical Laboratory		
	emelitear Daboratory	course	

HOD of Chemistry Department may proceed accordingly.

Date:

Place:

IQAC Co-ordinator

TODARGAUN SE

Principal 8.S.G.M.College Kopargaon

Rayat Shikshan Sanstha's

S.S.G.M. College, Kopargaon, Dist- Ahmednagar Department of Chemistry

2020 -21

Short Term Course in Safety & General Awareness in Chemical Laboratory

Board of Studies (BOS)

Department of Chemistry have decided to start Short term course in Safety &General Awareness in Chemical Laboratory . For framing the Syllabus of said course, committee was constituted as follow.

Board of Studies Member (BOS)

1. Prin. Dr. Thopte S.S.

: Chairman

2. Mr. Deshmukh A.K.

:HOD of Chemistry

Prof. JadhavAjit

:Placement Officer

4. Dr. Malpure N. V.

:IQAC- Coordinator

Dr. Konda Rakesh

:Professional Expert

6. Mr. MAITRIYA A D.

:Director of Shodh Advantech, Aurangabad

Aims and Objectivesof the course:

- To provide an adequate knowledge of the principles of processes involved in Dairy Science.
- 2) Instrumentation and applications of common analytical techniques
- 3) Knoweledge perspective course
- 4) Application based currruculum
- 5)Understand the operational framework for best practices in Company.

COLLEGE OF TOPARGATION

HEAD
Deptt. Of Chemistry
S. S. G. M. College, Kopargaor

S.S.G.M.College,Kopergaon

Department of Chemistry

Skill Development Course 2020-21

Safety & General Awareness in Chemical Industry

Date:16-11-2020

NOTICE

The students of M.SC.-II Chemistry are here by informed that department of chemistry

Is going to conduct a skill development course entitled Safety & General Awareness in

Chemical Industry for the year 2020-21. The interested candidates should register their names

To Mr.Sabale (Lab. Assistant).



Head,
HEAD
Department Chemistry,
S. S. G. M. College, Koppargaon.



Rayat Shikshan Sanstha's,

Shri Sadguru Gangageer Maharaj Science, Gautam Arts and Sanjivani Commerce College, Kopargaon, Dist.-Ahmednagar

Safety and General awareness in Chemical Laboratory

Short Term course Year 2020-21

Sr. No.	Name of students
1.	Kote Ankita Chandrakant
2.	Kshirsagar Manisha Rajendra
3.	Kshiersagar Vishal Vijay
4.	Kurhade VIkas Dagadu
5.	Kurhe Shital Manik
6.	Lamkhede Shubham Sanjay
7.	Madhvai Arti Dattatray
8.	Mahale Vaishnavi Babasaheb
9.	Malik Ankush Babasaheb
10.	Malik Swati Sarjearo
11.	Manchare Nilesh Ramdas
12.	Mane Sagar Ravindra
13.	More Nitin Sanjay
14.	More Priyanka Raghunath
15.	Mudgal Mnish Sanjay
16.	Nagare Akshay Rajesh
17.	Narode akshay Kalidas
18.	Narode Pranjali Vilas
19.	Nikam Avinash Gorakh
20.	NIkam Rohit Babasaheb
21.	Pachore Priyanka Sharad
22.	Patil Mayur Ananda
23.	Pawar Prajakta Ajaykumar
24.	Pote Vijay Narayan
25.	Rahane Shital Ramesh





Rayat Shikshan Sanstha's

Shri Sadguru Gangageer Maharaj Science, Gautam Arts & Sanjivani Commerce College, Kopargaon. Dist-Ahmednagar-423601.

Academic Year 2020-21

Safety & General Awareness in Chemical Laboratory

W.e.f-01/01/2020

Time Table

Time	Mon	Tue	Wed	Thu	Fri	Sat
8.00-9.00 am	PDK	PDK	PDK	DSG	AAL	DSG
9.00- 10.00 am	PVR	PVR	PVR	AAL	DSG	AAL
2-3 pm		Practical	Practical	Practical		

Theory Course- PDK: Mrs.Kashid P.D.

AAL: Miss.Lohakane A.A.

PVR: Mrs. Randhavane P.V.

DSG: Miss. Gorade D.S.

Practical Course-PDK/AAL

COLLI ON TOPARGION

Héad, Department of Chemistry, Samm College, Ropargaon.

Rayat Shikshan Sanstha's,

S.S.G.M. College, Kopargaon Department of Chemistry Short Term Course (Two Months)

Safety & General Awareness in Chemical Laboratory

Aims and objectives of the syllabus:

- Students are expected to understand knowledge of safety precaution while working in chemical laboratory.
- 2) To develop practical skills among the students.
- It is expected to inspire and boost the interest of students towards the chemical and pharmaceutical Industries.
- 4) It will enable to develop interdisciplinary approach of the subject.

Theory 44 L

1. History and Importance of Safety and Health in Laboratory

4 L

- Importance of safety and security, types of hazards and risk in chemical laboratory,
 Do's and Don'ts in chemical laboratory
- 2. Personal Protective and Other Safety Equipments

8 L

- Foot protection, eye and face protection, personal clothing, types of fire and fire safety equipments, detectors, safety showers, eyewash units
- 3. Routes of exposure for toxic chemicals

8 L

- Inhalation, contact with skin and eye, ingestion, first aid box, first aid for contact of different chemicals on skin, eyes, inhalation and ingestion, material safety data sheet (MSDS)
- 4. Laboratory Emergency Response Procedure

4L

- Handling chemical spillage, handling fire emergency, handling medical emergency
- 5. Working with Chemicals

8 L

- Introduction, general procedure for working with hazardous chemicals, working with flammable chemicals, working with highly reactive or explosive chemicals
- 6. Working with Laboratory Equipments

6 L

- Introduction, working with electrically powered equipments, working with high and low pressure temperature and pressures, working with compressed gases
- 7. Managing Chemical Waste

6 L

 Introduction, identifying waste and its hazard, collecting and storing waste, treatment and hazard reduction, disposal of waste. Practicals 16 L

 Use of personal protective equipments- Aprons, Gumboot, Gloves, Helmet, Nose mask, Safety goggles etc.

- 2. Types and selection of fire extinguishers in chemical laboratory.
- 3. Identification of chemical hazards.
- 4. Working with laboratory equipments and hazardous chemicals.

References:-

- Chemical Laboratory Safety and Security, A Guide to Prudent Chemical Management By Lisa Moran and Tina Masciangioli.
- Safety in Laboratory and Good Laboratory Practices By Prof. Narendra D. Phatangare and Prof. Pankaj H. Naikwadi, Shauraya Publication, Latur.



Rayat Shikshan Sanstha's S.S.G.M. College, Kopargaon.

Short term course - Safety and General Awareness in Chemical Laboratory

Acadmic Year 2020-2021

Class:-T.Y.B.Sc

List of Enrolled Student

Sr. No.	Name of the Students		-	0	P
1	KOTE ANKITA CHANDRAKANT	P	P	0	P
2	KSHIRSAGAR MANSIHA RAJENDRA	P	0	0	Ab
	KSHIRSAGAR VISHAL VIJAY	P		P	P
3	KURHADE VIKAS DAGADU	P	P	0	0
4	KURHE SHITAL MANIK	P	P	0	0
5	LAMKHADE SHUBHAM SANJAY	Ab	P	P	-
6	MADHAVAI ARTEE DATTATRAY	P	P		0
7	MAHALE VAISHNAVI BABASAHEB	P	P	Ab	P
9	MALIK ANKUSH BABASAHEB	P	P	0	0
	MALIK SWATI SARJERAO	P		0	P
10	MANCHARE NILESH RAMDAS	P	P	P	P
11	MANE SAGAR RAVINDRA	P	Ab	0	0
12	MORE NITIN SANJAY	P	P	P	P
13	MORE PRIYANKA RAGHUNATH	P	4	P	10
14	MUDGAL MANISH SANJAY	P	P		1
15	NAGARE AKSHAY RAJESH	P	P	Alb	0
16	NARODE AKSHAY KALIDAS			b	0
17	NARODE PRANJALI VILAS	1	A70	P	0
18	NIKAM AVINASH GHORAKH	P	P		P
19	NIKAM ROHIT BABASAHEB	P	P	P	-
20	PACHORE PRIYANKA SHARAD	P	1	P	10
21	PATIL MAYURI ANANDA	P	F	1	0
22	PAWAR PRAJAKTA AJAYKUMAR	P		Ab	r
23	POTE VIJAY NARAYAN	Ab	P	P	T V
24	RAHANE SHITAL RAMESH	P 23	P 23	Ab el	22



Rayat Shikshan Sanstha's S.S.G.M. College Kopargaon

Dist- Ahmednagar,

Safety and General Awareness in Chemical Laboratory Feedback Form (Year2020-21) How you like this activity? (Please tick (v) on the appropriate option)

Sr.N o.	Criteria's	Excellent	Very Good	Good	Average	Poor
1.	Content of curriculum		~			
2.	Quality of lectures	V	4			
3.	Quality of practicals	-				
4.	Arrangement of tour and hands on training collaboratively organized	V.	1.0			
5.	Is the course is applicable for entrepreneurship development in your futue life ?	/				
6.	Is the course is beneficial for students and parents as far as environment and crop production is concerned?		V			

Any suggestion:-

Name of the Studen	Rahane	shital	Ramesh	
Class:-	T.7. B.Sc			

Signature:- ...

SRRahane



Rayat Shikshan Sanstha's S.S.G.M. College Kopargaon Dist- Ahmednagar,

Safety and General Awareness in Chemical Laboratory Feedback Form (Year2020-21) How you like this activity? (Please tick (V) on the appropriate option)

Sr.N o.	Criteria's	Excellent	Very Good	Good	Average	Poor
1.	Content of curriculum	V				
2.	Quality of lectures		1			
3.	Quality of practicals	V		1 1		
4.	Arrangement of tour and hands on training collaboratively organized	V				
5,	Is the course is applicable for entrepreneurship development in your futue life ?		V			
6.	Is the course is beneficial for students and parents as far as environment and crop production is concerned ?	V.	ài			

Any suggestion:-

Name of the Stude	nt- More	Projection Kel	Raghunath
Class:-	7.7. B.SC	U	J
Signature:-	MRD		



Rayat Shikshan Sanstha's S.S.G.M College Kopargaon Dist:-Ahmednagar

Certificate Course Feedback form(Year 2020-2021) How you like this activity? (Please tick() on the appropriate option)

Sr. No	Criteria's	Excellent	Very Good	Good	Average	Poor
1	Content of curriculum	V				
2	Quality of Lectures		_			
3	Quality of Practical's		~			
4	Arrangement of Tour and hands on training collaboratively organized	~				
5	Is the course is applicable for entrepreneurship development in your future life	Υ	ew.	4.		
6	Is the course is beneficial for students and parents as far as environment & crop production is concerned	~		102		

Any Suggestions :-

Name of the Students :- Kurhe	shital	Manik	
Class:- T.Y.BSC.		\$	
Signature :- Shit.			





Rayat Shikshan Sanstha's SHRI SADGURU GANGAGEER MAHARAJ SCIENCE, GAUTAM ARTS & SANJIVANI COMMERCE COLLEGE, KOPARGAON DIST. AHMEDNAGAR 423 601, MAHARASHTRA, INDIA AFFILIATED TO SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



Certificate of appreciation

Co-ordinator

Head of Department

Principal

Rayat Shikshan Sanstha's Shri Sadguru Gangageer Maharaj Science, Gautam Arts & Sanjivani Commerce College, Kopargaon, Dist-Ahmednagar-423601.

Report

The department of chemistry conducted a Short Term Course entitled Safety and General Awareness in Chemical Laboratory. Total 25 students of T.Y.B.Sc. Chemistry were admitted in the course. The duration of course was three months. The course was conducted satisfactorily by the Department of chemistry.



Department of Chemistry, S.S.S.M. College Kopargaon.