



Government of Maharashtra



# RAJARAM COLLEGE, KOLHAPUR

## CRITERIA- 5

### 5.1.3 – Capacity building and skills enhancement

initiatives taken by the institution include the following:

**Soft skills Language and communication skills Life skills**

**(Yoga, physical fitness, health and hygiene)**

**ICT/computing skills**

**Rajaram College, Kolhapur**

**Diagnostic Test, Bridge Course, Certificate Course Committee**

**Notice**

10/11/2021

All respected Heads of Arts, commerce and Science departments are requested to submit multiple choice questions with answer key (10 to 20 MCQ) to identify slow and advance learners at entry level. The MCQs should be based on higher secondary level study of respective subject.

Also, all the head of department are hereby requested to mention two topics for the bridge course lectures. Please note that the bridge course topics should be apart from syllabus topics.

Kindly send MCQ and bridge course topics on the mail id mentioned below:

Science- A group- Dr. A. U Patil- [atula\\_jadhav@yahoo.co.in](mailto:atula_jadhav@yahoo.co.in)


Science B group- Dr. A. P. Parale - [anuradhaparale@yahoo.co.in](mailto:anuradhaparale@yahoo.co.in)

Arts - Mr. S. K. Mahajan-[sushmahajan03@gmail.com](mailto:sushmahajan03@gmail.com)

Commerce- Dr. Shitalkumar Gaikwad - [sggrck2021@gmail.com](mailto:sggrck2021@gmail.com)

Kindly submit the topics and MCQ on or before 15/11/2021

  
Co-ordinator

  
Principal  
Rajaram college, Kolhapur

## Notice

### Diagnostic Test, Bridge Course Committee

Date - 03/03/2022

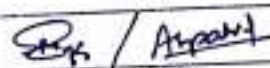
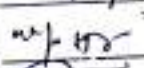
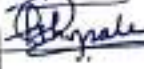
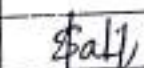
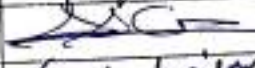

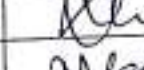
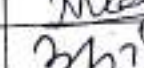


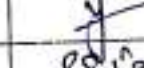

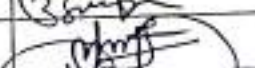
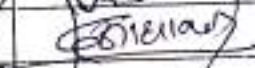


To Head /Co-ordinator of Art's, commerce and Science faculty, sending list of advance and slow learners from first year students. Please maintain their progress record of all semesters and submit their yearly progress report to Diagnostic Test, Bridge Course Committee and IQAC.



Principal



Diagnostic Test, Bridge Course Committee

Sr. No.	Name of Department / Faculty	Sign
1	Mathematics and Statistics	
2	Microbiology & Industrial Microbiology	
3	Dept. of geology	
4	Dept. of Geology	
5.	Dept. of Chemistry	
6	Dept of Pol. Sci	
7.	Dept of Sociology	
8.	Dept of Hindi	
9	Neeta N. Lad	
10	Dept of Economics.	
11.	Dept. of Commerce	
12	Dept. of History	
13.	Dept of Electronics	
14	Department of Physics	
15	Eng & Mar - @	
16	Dept. Geography	
17.	Dept. of Home-science	

**RJARAM COLLEGE, KOLHAPUR**

**BRIDGE COURSE For B. SC. I**

**2020-21**

	Monday 22/11/2021	Tuesday 23/11/2021	Wednesday 24/11/2021	Thursday 25/11/2021	Friday 26/11/2021	Saturday 27/11/2021	Monday 29/11/2021	Tuesday 30/11/2021	Wednesday 01/12/2021	Thursday 02/12/21
Group B	Botany	Botany	Zoology	Zoology	Microbiology	Microbiology	Geology	Geology	Chemistry	Chemistry
Group A	Physics	Physics	Chemistry	Chemistry	Electronics	Electronics	Mathematics	Mathematics	Statistic	Statistic
Group A	Friday 03/12/2021	Saturday 04/12/2021	Lecture Time: 2.10 to 3.00 pm							
	Geology	Geology	Lecture Mode: Online / Offline Kindly Submit the lecture attendance to Dr. P. Parale or Dr. A. U. Patil							

  
 Co-ordinator  
 Bridge course, Diagnostic Test,  
 Certificate course, Human values and Ethics

  
 Principal  
 Rajaram College,  
 Kolhapur



**Rajaram College Kolhapur**  
**Department of Zoology**  
**Bridge Course Attendance: 2021-22**

Sr. No.	Roll Call	Name of The Student			Lecture 1	Lecture 2
					24-11-2021	25-11-2021
1	121	BAGWAN	SIMIN	RIYAZ	P	P
2	122	BANKE	SAMIKSHA	DILIP	P	P
3	123	BANSODE	SHRADDHA	RAMESH		
4	124	BARWADE	SAMRUDDHI	RATAN		
5	125	BHOSALE	MANAS	BABASAHEB		
6	126	CHOUGULE	AJAY	ANANDA	P	P
7	127	DESAI	SHAMBHAVI	KIRAN		
8	128	DESAI	ADITYA	SHASHIKANT		
9	129	DHUMAL	SUKANYA	SUNIL		
10	130	GAIKWAD	AISHWARYA	SANJAY		
11	131	GAIKWAD	SUHANI	SHIVAJI	P	P
12	132	GURAV	SIDDHESH	SHIVAJI		
13	133	HAWAL	ARCHIES	AMOL	P	P
14	134	INGALIKAR	SAHIL	MANSUR		
15	135	JADHAV	RIDDHI	UDAY	P	P
16	136	JADHAV	SIDDHI	UDAY	P	P
17	137	JAKHALE	SAMRUDDHI	DADASO	P	A
18	138	KAMBLE	AVINASH	PRAKASH		
19	139	KAMBLE	GOURAV	SUNIL	P	P
20	140	KAMBLE	SHARVARI	RANGRAO	P	P
21	141	KAMBLE	DATTATRAY	MARUTI		
22	142	KESARKAR	TUSHAR	BALAJI		
23	143	KORE	VIRBHADRA	RAMESH	P	P
24	144	KUMBHAR	SHRUTI	PRAKASH	P	P
25	145	LOHAR	PRUTHVIRAJ	RAVASAHEB	P	P
26	146	MANE	ROHAN	PRAKASH		
27	147	MANE	SONALI	KRISHNAT		
28	148	MANE	YASH	SANJAY		
29	149	MARDANE	RUTUJA	CHANDRAKANT		
30	150	MOMIN	AFIYA	VAHISD	P	P
31	151	MOTE	DEVANAND	BALU	P	A
32	152	MULLA	AKIL	SAMEER	P	P
33	153	NATEKAR	RISHIKESH	DEEPAK		
34	154	NAVAGEKAR	SUJATA	GOPAL	P	P
35	155	PANDIT	SONIKUMARI	SAJAWAL	P	P
36	156	PARIT	RUTVIK	ANIL	P	P
37	157	PATIL	RITESH	RAJENDRA	P	A
38	158	PATIL	PRATHAMESH	PRAMOD	.	

39	159	PATIL	SANIKA	SUNIL	P	P
40	160	PATIL	SANIKA	VISHWAS	P	A
41	161	PATIL	SAMRUDDHI	RAJENDRA		
42	162	PATIL	SAKSHI	SATAPPA		
43	163	PATIL	MRUDULA	BALASAHEB		
44	164	PATIL	ATHARV	UTTAM		
45	165	PATIL	ANKITA	VISHNU		
46	166	PATIL	PRITAM	MANOHAR	P	P
47	167	PAWAR	SALONI	ANIL		
48	168	POWAR	SHREYAN	BABASAHEB	P	P
49	169	POWAR	RUTUJA	UWANNA		
50	170	RANE	AKSHATA	AJIT	P	A
51	171	RELEKAR	GAYATRI	DNYANESHWAR		
52	172	SAMBHOJI	PRITHVIRAJ	SANJAY		
53	173	SHANTIPRASAD	RAMYASHREE	SHANTIPRASAD	P	P
54	174	SHINDE	SHREYA	SHRIKANT		
55	175	SORATE	NAMRATA	ANANDA		
56	176	VADAR	JAYWANT	RAMCHANDRA		
57	177	VALVEKAR	SUMIT	MARUTI	P	P
58	178	WAGHMARE	SHRIYASH	PRAKASH		
59	179	WALVEKAR	SANSKRUTI	UDAY		
60	180	YADAV	AVDHUT	UTTAM		
61	181	ABDAGIRE	HARSHALI	VISHAL	P	P
62	182	ALDAR	ABHIJIT	JAYARAM		
63	183	AWAGHADE	RAJLAXMI	SUNIL		
64	184	BAGUL	NEHA	DEEPAK		
65	185	BARBOTE	ABHIJIT	KHANDU		
66	186	BAUSKAR	TEJASWINI	DHANAJI	P	P
67	187	BHIUNGADE	KIRAN	DEEPAK		
68	188	BHOSALE	VYANKATESH	RAMRAO		
69	189	BHOSALE	SRUSHTI	SUDHIR		
70	190	BUGADE	SURAJ	DHANAJI		
71	191	CHANDANSHIVE	PARTH	GOVIND		
72	192	CHINCHANE	OMKAR	YUVARAJ		
73	193	CHOLE	SANDESH	RAJANIKANT		
74	194	CHOUGULE	GAYATRI	SHITAL	P	P
75	195	CHOUGULE	SHREYA	SHARADKUMAR	P	P
76	196	DALAVI	SHUBHAM	DIGVIJAY	P	A
77	197	DESAI	SHRUTI	UTTAM		
78	198	EKSHINGE	ASHLESHA	ASHOK		
79	199	GADKARI	VAISHNAVI	RAJU		
80	200	GUDADE	RUTUJA	SURESH		
81	201	GURAV	AKSHATA	MAHADEV	P	A
82	202	HATKAR	SAYALI	RAJENDRA	P	A





83	203	JADHAV	KRUSHINAJI	DHONDIBA		
84	204	JADHAV	PIYUSHI	RAJENDRA		
85	205	JADHAV	SAKSHI	PANDURANG		
86	206	KADAM	MADHAVI	MANOHAR	P	A
87	207	KAJAVE	ANKUR	VIDHYADHAR	P	P
88	208	KALEKAR	SHRAVANI	SUNIL		
89	209	KAMBLE	SANIKA	RAJARAM		
90	210	KAMBLE	RUTUJA	DASHRATH	P	P
91	211	KANDEKAR	HARSHALI	DATTATRAY		
92	212	KASHID	REVATI	RAGHUNATH		
93	213	KOLE	PRATHAMESH	LAXMAN		
94	214	KOPARDE	SHRADDHA	DAULU	P	P
95	215	KULKARNI	PRATHAMESH	PANDIT	P	P
96	216	MANAGAVE	SHREYAL	APPASAHEB	P	P
97	217	MANE	SANKET	PRAKASH	P	P
98	218	MANE	DHANRAJ	KISHOR	P	P
99	219	MUJAWAR	MUSKAN	HASIM		
100	220	NALAWADE	ADITYA	SHASHIKANT		
101	221	PACHINDRE	HARSHWARDHAN	RAJENDRA		
102	222	PARALE	MANASI	MANESH		
103	223	PATIL	AAYESHA	PRAKASH		
104	224	PATIL	AKANKSHA	RAJENDRA		
105	225	PATIL	BALASO	VITTHAL		
106	226	PATIL	VIDYA	SHANKAR	P	P
107	227	PATIL	VAIBHAVI	UTTAM	P	P
108	228	PATIL	SHRUTI	UMESH		
109	229	PATIL	PALLAVI	BABASO	P	P
110	230	PATIL	NIKITA	VISHNU	P	P
111	231	PATIL	ANIRUDHA	ASHOK		
112	232	PATKARE	YUVRAJ	BABAN		
113	233	RAJPUT	SRIDHAR	GOVINDSINGH		
114	234	SHEWALE	VARUN	VASANT		
115	235	SURYAVANSHI	IRAVATI	MOHIT		
116	236	SUTAR	SHWETA	SUNIL	P	P
117	237	SUTAR	PRARTHANA	KIRAN	P	P
118	238	TELI	PRATHAMESH	PRAVIN		
119	239	YADAV	MANSVI	AVADHUT	P	P
120	240	YADAV	BHAGYASHRI	TATYASO		
121	259	BHALERAO	NIKITA	NITIN	P	P
122	260	CHAVAN	DHANASHRI	DASHRATH		
123	261	FERNANDES	JOHN	SANTAN	P	P
124	262	GAWADE	SUSHANT	HARI		
125	263	GURAV	SAKSHI	SHASHIKANT		
126	264	HIREMATH	TRUPTI	VIRBHADRA	P	P

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127	265	JADHAV	DHANASHRI	BAJIRAO	P	P
128	266	KAMLAKAR	AISHWARYA	UTTAM	P	P
129	267	KHARUDE	SIDDESH	SHIVAJI	P	P
130	268	KULKARNI	SHREYAS	SACHIN		
131	269	MANE	TANVI	SANDEEP	P	P
132	270	NAGTILE	RADHIKA	VIJAY		
133	271	PATIL	SANSKRUTI	RAMCHANDRA		
134	272	PATIL	SANIKA	PANDIT	P	P
135	273	PATIL	ADITI	DASHARATH	P	P
136	274	POWAR	PRATIKSHA	VILAS	P	P
137	275	SANGAR	SNEHAL	SHASHIKANT		
138	280	BELLAD	BHAVYASHRI	BABURAV	P	P
139	281	CHIKHALWALE	SHUBHAM	MARUTI		
140	282	EKSHINGE	PRANALI	PANDIT	P	P
141	283	GURAV	AARTI	PRAMOD		
142	284	HEGADEPATIL	ATHARVA	SUDHIR		
143	285	INGAVALE	SHRAVANI	KIRAN	P	A
144	286	JATRATE	SANIKA	MOHAN	P	A
145	287	KHAN	SABREENBANO	ABDULRAHIM	P	P
146	288	MANE	SAKSHI	SANJAY	P	P
147	289	PALKAR	PRATIKSHA	JAYSING		
148	290	PATIL	SHREYA	SUDHIR	P	P
149	291	PATIL	SANIKA	MADHUKAR	P	P
150	292	PATIL	VAIBHAVI	BASGONDA		
151	293	PATIL	SANIKA	PARASHRAM		
152	294	PATIL	MOHINI	MAHADEV	P	P
153	295	PATIL	SAYAJI	SANJAY	P	P
154	296	POWAR	SHWETA	SHIVAJI	P	P
155	297	SAWANT	RAKHI	RAVIRAJ		
156	298	SAWANT	TEJAS	GANESH	P	P
157	299	SHINDE	ADITI	DEEPAK		
158	300	SUTAR	AASHARAM	BHARAT		

Teacher Incharge

- 1) Dr. S. S. Taware - 
- 2) Dr. J. A. Chavan - 

  
**राजिवाजी विद्यालय**  
**राज्य प्रशिक्षण, कोल्हापूर.**



Government of Maharashtra  
Rajaram College, Kolhapur

Department of Commerce

Bridge Course (B.Com-I)  
Time-Table 2021-22

Date/ Time	29/11/2021	30/11/2021	01/12/2021	02/12/2021	03/12/2021	04/12/2021
2.30- 3.20	Macro Economics	Management Principles and Applications	Financial Accounting	Principles of Marketing	Business Mathematics/ Insurance	Business Communication
3.20- 4.10	Macro Economics	Management Principles and Applications	Financial Accounting	Principles of Marketing	Business Mathematics/ Insurance	Business Communication

  
Coordinator

  
Principal,  
Rajaram College, Kolhapur

Screening Test Result 2021-22

B.Sc. Div A

Total students appeared for test: 59

Slow Learners:

Sr. No.	Name
1	VhannureSantoshLingappa
2	PatilOmkarPandurang
3	PatilNikitaAnanda
4	JadhavDhananjayRajesh
5	JadhavAnjaliPrashant
6	HundlewadkarVickyShrikant
7	BadaskarSujataJanardan
8	BhatVishwajitDayanand
9	ChavanShubhadnyaShridhar
10	RasalAnjaliAmar
11	AadnaikSnehalSuresh
12	ParitVaishanaviVishwanath
13	PowarKrishnatSanuay

Advance learners:

Sr. No.	Name
1	PatilShrutikaArjun
2	PatilPratikshaKrushnat
3	PowarAdityaAshok
4	GuravPradyumnaBabaso
5	BhalavaneShwetaDhondiram



Diagnostic Test, Bridge Course,  
Certificate Course Committee



Principal

Screening Test Result 2021-22

B.Sc. DivB

Total students appeared for test: 116

Slow Learners:

Sr. No.	Name
1	PatilNikitaVishni
2	Manesanjay
3	YadavMansvi
4	SorateNamrataAnanda
5	MulaniSamina
6	PatilVidyaShankar
7	DalaviShubhamDigvijay
8	MagdumAshwiniShankar
9	PatilSakshiSiddheshwar
10	ShantiprasadRamyashreeShantiprasad
11	PatilVaibhavi
12	JadhavKrushnajiDhondiba
13	Yadav BhagyashriTatyaso
14	ManeDhanraj
15	ManeSanketPrakash

Advance learners:

Sr. No.	Name
1	PatilSayaliSanjay
2	JakhaleSamruddhiDadaso
3	BankeSamikshaDilip
4	BelladBhavyashriBaburav
5	PachhapureSakshiSunil



Diagnostic Test, Bridge Course,  
Certificate Course Committee



Principal



Government of Maharashtra  
Rajaram College, Kolhapur  
Department of Commerce

Screening Test Result 2021-22  
B.Com-I

Total students appeared for test: 83

Slow Learners:

Sr. No.	Name
1	Pratik Pandurang Patil
2	Karawade shruti sunil
3	Nangnure sanika sanjay
4	Vadam Aniket Ramdas
5	Batunge Rutvik Ashok
6	BAGWAN SUZAN RAJMAHAMAD
7	Jangid Mukesh Pannalal
8	Sankalp santosh shinde

Advance learners:

Sr. No.	Name
1	Naik sarvesh namdev
2	Wad Atharva Pramod
3	Sourabh Sushant Otari
4	Shinde Atharv Manoj
5	Shah Jainesh Jayesh
6	Sankpal Shreyash Dilip
7	Kulkarni Yashodhan Shirirang
8	Atharv Avinash Khatavkar
9	Kadam Aniket Ekanath
10	Deshpande Bhooshan Swapnil
11	Shah Jainesh Jayesh
12	Patil Sushant Subhash
13	Patil Harshvardhan Netaji
14	Kokate Avishkar Hambirrao
15	Dhanashree Uday Patil
16	Bhingude Sharayu Udaykumar

Diagnostic Test, Bridge Course,  
Certificate Course Committee

Principal

**RAJARAM COLLEGE, KOLHAPUR**  
**CERTIFICATE COURSE IN SKILL DEVELOPMENT**  
**for B.Sc.Part I 2021-22**

**Organized by**  
**DEPARTMENT OF BOTANY, GEOLOGY AND ZOOLOGY**

**Title: LABORATORY AND FIELD SKILLS IN LIFE AND EARTH SCIENCES**

**Beneficiaries of the course:** B.Sc. I students of Botany, Zoology and Geology

**Duration of the Course:** 40 hours

**Introduction:**

In the last two academic years due to lockdown because of Covid-19 pandemic, theory as well as practical syllabus was completed through online mode of teaching. Students were deprived of many practical skills and firsthand experience in handling laboratory equipments and field knowledge during that period as they did not conduct most of the practicals themselves. Further, many of the students of Life science and earth science go on for interdisciplinary post-graduation studies and research programs. In this endeavor they require a firsthand knowledge of many scientific and field-based techniques. Hence, Departments of Botany, Geology and Zoology have designed this experiential training course for the first-year undergraduate students. The course work includes all such practicals that are not included in their regular curriculum.

**Objectives of the course:**

1. To impart technical skills among students in handling laboratory equipment.
2. Learning methods of standardization and formulation of chemicals in the laboratory.
3. Learning field work of the course, keeping field diary, collection and preservation of specimens.
4. Photography skills.
5. GPS, GIS, Satellite Imaging training.

**Course Outcomes:**

The students of F.Y. B. Sc. Botany, Geology and Zoology who wish to peruse higher education in the same field will be definitely benefited by this basic course. This is because, the basic laboratory and field skill aspects make up a substantial portion of many post-graduate curricula. Moreover, this training can help them to secure jobs as trainers, teachers and technicians in reputed institutes and industries or work freelance as environment biologists and geologists.

**Syllabus:**

- PART A: THEORY [ 15 hours duration]  
 PART B: LABORATORY WORK [15 hours duration]  
 PART C: FIELD WORK [10 hours duration]  
 PART D: EVALUATION [Oral and submission]

**PART A: THEORY [Time allotted-one hour per lecture]**

Sr. No.	Title of the Topic	Subject Experts
1	Photomicrography technique	Dr. U. B. Jagtap
2	GPS, Geotagging	Dr. R.S. Shikalgar
3	Diagram and Illustrations	Smt. Archana Desai
4	Plant preservation techniques	Dr. A. R. Patil
5	Ecology- Quadrats and Line Transect method	Dr. A. P. Parale
6	Biodiversity studies	Dr. A.R.Patil
7	Preparation of chemical solutions	Dr. B.D. Bhosale
8	Bio-accumulation and Bio-magnification	Dr. L. P. Bhopale
9	Forensic studies	Dr. J. A. Chavan
10	Herbal products: preparation and processing - natural colours	Ms. R. S. Nagarkatti
11	Toposheet reading	Dr. S. V. Pathare
12	Study of rock types	Dr. J.B. Khanapurkar
13	Study of soil types	Dr. S. V. Pathare
14	Photogeology	Dr. S. V. Pathare
15	Remote sensing	Dr. S. V. Pathare

**PART B: PRACTICALS [Time allotted-one hour per practical]**

Practical no.	Name of the Practical	Subject Experts
1	Model making	Mr. Sushant I. Bormak Mr. Yogesh A. Patil
2	Microphotography	Dr. U. B. Jagtap
3	Geotagged photographs	Dr. S.S. Taware
4	Illustration skills	Ms. Sunita S. Patil Ms. Aarati Patil



5	Preservation techniques-Herbarium	Dr. A. R. Patil
6	Ecological studies – Phytoplanktons / Zooplanktons	Dr. S. S. Taware
7	Line Transects	Dr. A. P. Parale
8	Biological sample collection	Dr. L. P. Bhopale
9	Preparation of chemical solutions	Dr. B.D. Bhosale
10	Toxicity of chemicals	Dr. J.A. Chavan
11	Toposheet reading	Mr. Randive P.G.
12	Study of minerals and Rocks	Dr. S.V.Pathare
13	Gemmology	Dr. S.V.Pathare
14	Photogeology	Dr. S.V.Pathare
15	Ground water exploration	Dr. P.T.Sawant

### **PART C: Field work [Time allotted: minimum 10 hours]**

Visit to a nearby locality for training in field work including;

<b>Sr. no.</b>	<b>Details of Field work</b>	<b>Subject Experts</b>
1	Study of ecological parameters	Dr. S.V.Pathare
2	Observation of plant groups, their characters and importance	Dr. A.R.Patil
3	Observation techniques for animals, birds, insects, etc	Dr. A.P.Parale
4	Collection procedures for specimens of plants, animals and geological samples	Dr. U. B. Jagtap Dr. L.P.Bhopale
5	GPS tracking	Dr. S.S.Taware
6	Field Photography	Dr. J.A. Chavan
7	Writing a field diary/ note-book	
8	Pre-requisites of a field trip	
9	Visit to Geomagnetic institute	
10	Visit to mine/quarry	

### **EVALUATION**

1. Evaluation will be on the basis of online test conducted at the end of the course work.
2. Evaluation will be of 50marks.
3. Grades will be allotted on the basis of marks obtained and attendance.
4. Certificates will be awarded to all successful students on completion of the course.

**TIME TABLE:**

<b>Day</b>	Wednesday	Thursday	Friday
<b>Time</b>	9.30-10.30am	9.30-10.30am	9.30-10.30am
<b>Venue</b>	BLH	BLH	BLH



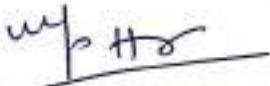
**Dr. Anjali R. Patil**  
**Head**  
**Department of Botany**



**Prof. Sanjay V. Pathare**  
**Head**  
**Department of Geology**



**Dr. Lata P. Bhopale**  
**Head**  
**Department of Zoology**



**Dr. Y. C. Attar**  
**IQAC Co-ordinator**



**Dr. S. B. Maharaj**  
**Principal**

विभाग प्रमुख  
रसायनशास्त्र विभाग,  
राजाराम महाविद्यालय  
कोल्हापुर  
दि. 20/04/2022

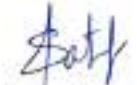
प्रति,  
मा. प्राचार्य  
राजाराम महाविद्यालय  
कोल्हापुर.

विषय - "Preparation of Household chemicals"  
या Skill Based course साठी शकविव्यासाठी  
माध्यता मिळोवावत.

मा. महोदया,  
वरिष्ठ विषयासत अनुसूचित रसायनशास्त्र विभागामध्ये  
Preparation of Household chemicals हा Skill Based  
course शकविव्यासाठी आपली माध्यता मिळोवती ही  
विनंती.

कडीव

कव्हातणी देवराजराव  
राजविका अंदाज शाखा शाखा  
  
21-4-22

आपली विश्वासू,  
  
( डॉ. के. के. पारील )  
विभाग प्रमुख  
रसायनशास्त्र विभाग





GOVERNMENT OF MAHARASHTRA  
ESTD : 1880

# RAJARAM COLLEGE, KOLHAPUR

VIDYANAGAR, SAGARMAL, KOLHAPUR-416004

E-mail: [rajaramcollege@gmail.com](mailto:rajaramcollege@gmail.com)

PHONE : 0231-2537840 (OFFICE)

FAX : 0231-2531989

No/RCK/CHEM/

Date :- 24/4/2022

To,

The Head,

Department of Chemistry,

Rajaram College, Kolhapur

**Sub : Approval for value added course on Preparation of household chemicals' in the subject Chemistry in academic year 2021- 22**

Course code No. 2021V Chem

Dear Sir/Madam,

This is with reference to your suggestion and decision taken in IQAC cell meeting .You have been advised to run the value added course as mentioned in above subject. The course must be of one month duration and must be conducted with separate time table. The report of the course completion with all requisite documents is required to be submitted to IQAC cell at the end of second semester of this academic year.

Co-ordinator,

IQAC Cell

Principal,






Rajaram College, Kolhapur

## NOTICE

All the staff of chemistry department are hereby inform that, our department is going to organize a value added course on "**Preparation of Household Chemicals**" from 25 April 2022 to 27 May 2022. Conduct your lectures as per allotted syllabus and submit attendance to Mr. S. A. Sonawane.

Patil

Dr. Mrs. K. K. Patil  
Head of Chemistry Department  
Raiaram College, Kolhapur

S. A. Sonawane   
Dr. J. T. Deshmukh -   
Dr. A. S. Khosrane   
Mr. A. P. Manle   
Dr. A. J. Bodake 

RAJARAM COLLEGE, KOLHAPUR

CHEMISTRY DEPARTMENT

Preparation of House hold Chemicals  
Registration  
2021-22

Sr. No.	Roll No.	Subject	Gender	Name of the Student	Signature
1	2021TS101	Chemistry	Male	Bagilgekar Omkar Prakash	
2	2021TS102	Chemistry	Female	Barad Vaishnavi Ananda	
3	2021TS103	Chemistry	Female	Chorage Vidya Sunil	
4	2021TS104	Chemistry	Female	Dawar Swati Balawant	
5	2021TS105	Chemistry	Male	Deshpande Dhiraj Mukund	
6	2021TS106	Chemistry	Male	Dharnuche Vaibhav Maruti	
7	2021TS107	Chemistry	Male	Dongale Abhishek Annaso	
8	2021TS108	Chemistry	Male	Dongale Kunal Dhanaji	
9	2021TS109	Chemistry	Male	Gavali Adinath Shivaji	
10	2021TS110	Chemistry	Female	Ghadi Pooja Prakash	
11	2021TS111	Chemistry	Female	Gharal Siddhi Laxman	
12	2021TS112	Chemistry	Male	Gidgol Suresh Laxman	
13	2021TS113	Chemistry	Female	Hazare Shruti Deepaksingh	
14	2021TS114	Chemistry	Male	Jadhav Kunal Kiran	
15	2021TS115	Chemistry	Female	Jidimani Bhagyashree Shivalingappa	
16	2021TS116	Chemistry	Female	Kale Ashwini Babasaheb	
17	2021TS117	Chemistry	Male	Kamble Deepraj Babasaheb	
18	2021TS118	Chemistry	Male	Katkar Pramod Prakash	
19	2021TS119	Chemistry	Female	Kesarkar Kallyani Bacharam	
20	2021TS120	Chemistry	Male	Kherade Rutik Ramchandra	
21	2021TS121	Chemistry	Male	Khodave Indrajeet Bhimarao	
22	2021TS122	Chemistry	Female	Kurade Priyanka Ganpat	
23	2021TS123	Chemistry	Female	Kusale Sakshi Shekhar	
24	2021TS124	Chemistry	Female	Labde Sakshi Arvind	
25	2021TS125	Chemistry	Male	Madake Sourabh Vishnu	
26	2021TS126	Chemistry	Female	Mali Pratiksha Prakash	
27	2021TS127	Chemistry	Male	Maner Salman Sameer	
28	2021TS128	Chemistry	Male	Nadaf Atik Babaso	
29	2021TS129	Chemistry	Female	Naik Shivani Sanjay	
30	2021TS130	Chemistry	Male	Patil Dheeraj Satappa	
31	2021TS131	Chemistry	Male	Patil Harshvardhan Suresh	
32	2021TS132	Chemistry	Male	Patil Kshitij Yogesh	
33	2021TS133	Chemistry	Female	Patil Prajakta Arunkumar	
34	2021TS134	Chemistry	Female	Patil Pranali Dattatray	
35	2021TS135	Chemistry	Female	Patil Rohini Vasant	
36	2021TS136	Chemistry	Female	Patil Rutuja Kashinath	
37	2021TS137	Chemistry	Female	Patil Samaksha Sanjay	
38	2021TS138	Chemistry	Female	Patil Shraddha Satish	



39	2021TS139	Chemistry	Female	Patil Snehal Sarjerao	
40	2021TS140	Chemistry	Female	Patil Sonal Bhimrao	<del>Sonal Patil</del>
41	2021TS141	Chemistry	Male	Patil Sourav Sahadev	<del>Patil</del>
42	2021TS142	Chemistry	Male	Rajigare Vishwajeet Rajaram	
43	2021TS143	Chemistry	Male	Rajput Nikhil Amar	<del>Rajput</del>
44	2021TS144	Chemistry	Female	Sakhare Kajal Sanjay	
45	2021TS145	Chemistry	Male	Salokhe Rupesh Rajesh	<del>Rupesh</del>
46	2021TS146	Chemistry	Male	Sanadi Aman Sikandar	<del>AGSani</del>
47	2021TS147	Chemistry	Male	Sayyad Mahmmadkaif Najeer	<del>Kaif</del>
48	2021TS148	Chemistry	Male	Shaikh Juber Yasin	<del>Shaikh</del>
49	2021TS149	Chemistry	Male	Shinde Shreyas Vijay	<del>Shinde</del>
50	2021TS150	Chemistry	Male	Shirole Sarjerao Shivagonda	<del>Seshirpe</del>
51	2021TS151	Chemistry	Female	Sutar Sakshi Dipak	<del>Sutar</del>
52	2021TS152	Chemistry	Female	Sutar Shital Sadashiv	<del>Sutar</del>
53	2021TS153	Chemistry	Female	Sutar Varsha Maruti	<del>Sutar</del>
54	2021TS154	Chemistry	Male	Swami Akash Satish	<del>ASS</del>
55	2021TS155	Chemistry	Male	Varadkar Prathamesh Deepak	<del>Prathamesh</del>



# राजाराम महाविद्यालय कोल्हापूर

## रसायनशास्त्र विभाग

### Value Added Course

on

### Preparation of Household and Domestic Chemicals

### कार्यक्रम पत्रिका

कार्यक्रम आरंभ :- दु. 12.30 वा. दि. 17.05.2022

- अध्यक्ष : डॉ. एस. बी. महाराज पाटील, प्राचार्य राजाराम महाविद्यालय कोल्हापूर
- प्रमुख वक्ते : डॉ. किशोर गायकवाड, उप प्राचार्य, राजर्षी छत्रपती शाहू कॉलेज, कोल्हापूर
- प्रस्तावना : डॉ. के. के. पाटिल, विभागप्रमुख, रसायनशास्त्र विभाग
- परिचय : श्री. एस. ए. सोनवणे
- प्रमुख वक्ते मनोगत : डॉ. किशोर गायकवाड
- अध्यक्षीय मनोगत : डॉ. एस. बी. महाराज पाटील, प्राचार्य राजाराम महाविद्यालय कोल्हापूर
- आभार : डॉ. ए. जे. बोडके

Hands on training - Chemistry Laboratory 1.30 onwards



Government of Maharashtra's

# Rajaram College, Kolhapur

Department of Chemistry

Year - 2022-23

Value added course

On

“Preparation of Household Chemicals”

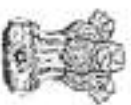


## SYLLABUS

Unit I: Basic concepts of Chemistry (2 h)	
1.	Concentration
2.	Mole concept
3.	Normality
4.	Molarity
5.	Molality
6.	Mole fraction
7.	Percentage composition by volume, by weight
Unit II: Domestic chemicals (2 h)	
1.	Introduction to house hold/ domestic chemicals
2.	Phenyl
3.	Liquid soap and detergent
4.	Sanitary acids
5.	Cleaning actions of acids, handling and precautions
6.	Antiseptic and disinfectants
7.	Sanitizer
Unit III: Soaps (2h)	
1.	Introduction



2.	Theory and types
3.	Manufacturing of soaps
4.	Cleaning action of soaps
<b>Unit IV</b>	<b>Detergents (2h )</b>
1.	Introduction
2.	Theory and types
3.	Manufacturing of soaps
4.	Cleaning action of soaps
<b>Unit V</b>	<b>Phenyls (2h)</b>
1.	Introduction
2.	Preparation
3.	Uses
4.	Advantages and disadvantages
<b>Unit VI</b>	<b>Dyes (2h)</b>
1.	Introduction
2.	Theory and types
3.	Preparation
4.	Uses
	<b>Practical's (24 h)</b>
1.	Preparation of soap
2.	Preparation of phenyl
3.	Preparation of dyes
4.	Preparation of detergent
5.	Preparation of liquid soap
6.	Preparation of Neel
7.	Preparation of Sanitizer



GOVERNMENT OF MAHARASHTRA'S  
**RAJARAM COLLEGE KOLHAPUR**  
DEPARTMENT OF CHEMISTRY



This is to certify that

**INDRAJEET BHIMARAO KHODAVE**

of class **B. Sc.III** has successfully completed one day workshop/ hands-on-training on  
“**Preparation of House Hold Chemicals**” organised by Department of Chemistry,  
Rajaram College Kolhapur dated 17<sup>th</sup> May 2022.



Co-ordinator

Mr. S. A. Sonawane

Head of Department

Dr. K. K. Patil

Principal

Dr. S. B. Maharaj-Patil

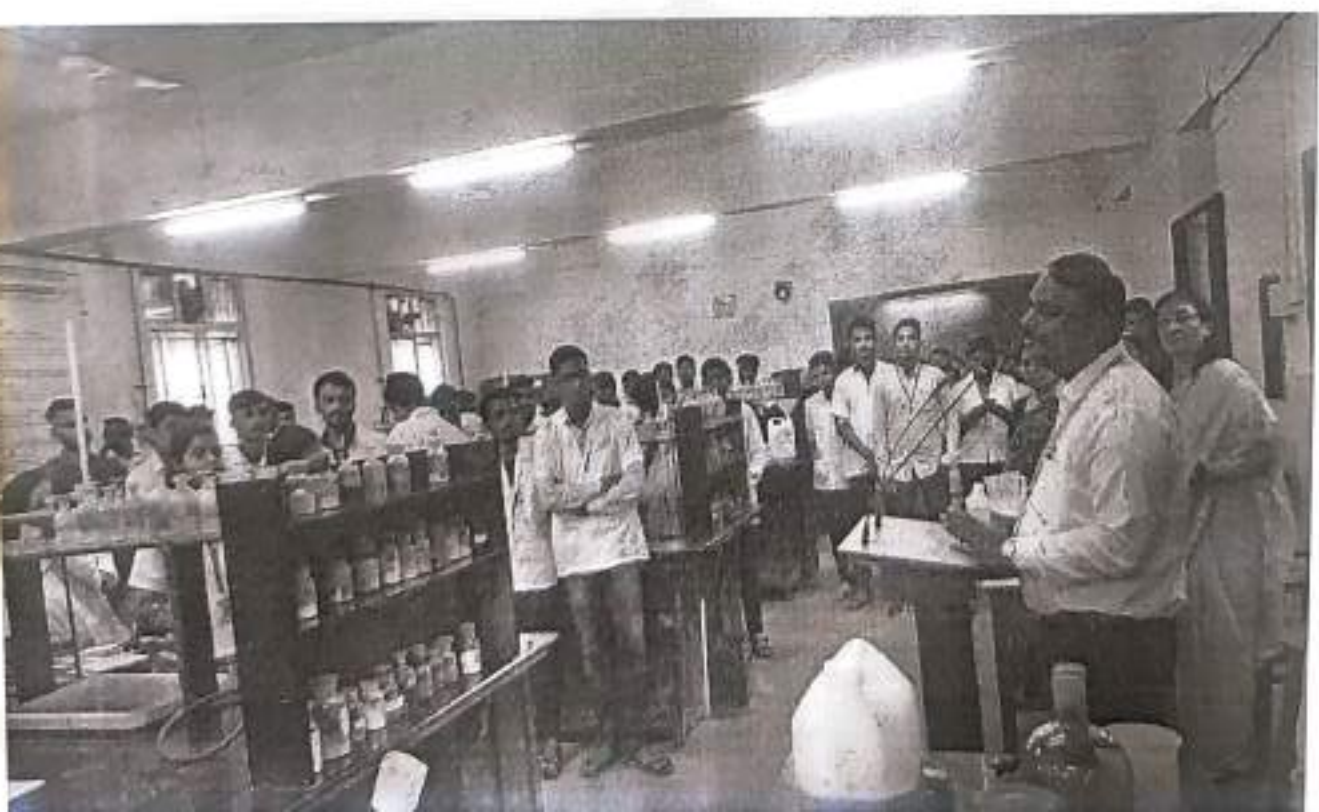
## अहवाल

राजाराम महाविद्यालय, कोल्हापूर, रसायनशास्त्र विभागामार्फत दि. २५.०४. २०२२ ते २७. ०५. २०२२ दरम्यान 'Preparation of household chemicals' या विषयावर Value added course आयोजित केला होता. सदर कोर्ससाठी B.Sc III , M.SC I आणि M.Sc II च्या एकूण १०५ विद्यार्थ्यांनी सहभाग घेतला होता. या विषयाचे प्रशिक्षण दि. १७. ०५. २०२२ रोजी रसायनशास्त्र विभागामध्ये आयोजित केले होते. सदरच्या प्रशिक्षणासाठी छत्रपती शाहू महाविद्यालय, कोल्हापूर येथील डॉ. किशोर गायकवाड यांचे मार्गदर्शन लाभले. सदरच्या प्रशिक्षणामध्ये B.Sc III , M.SC I आणि M.Sc II च्या एकूण १०५ विद्यार्थ्यांनी सहभाग घेतला होता. सदरच्या प्रशिक्षणामध्ये विद्यार्थ्यांनी विविध प्रकारचे साबण, वॉशिंग पावडर, लिक्विड डिश वॉश, नीळ आणि फिनाईल बनवण्याचे प्रशिक्षण घेतले.





Hands on Training



**Rajaram College, Kolhapur**  
**1 MAH ARTY BTY NCC Rajaram College, Kolhapur**  
**International Yoga Day celebration**

World Yoga Day was celebrated with enthusiasm at Rajaram College, Kolhapur, on 21st June, Wednesday. Cadets presented various yoga practicals in a yoga workshop organized by 1 MAH ARTY BTY NCC Rajaram College, Kolhapur. At the same time some cadets did yoga for good health at Maharani Tararani Chowk, Kolhapur and gave a message to stay healthy. On this occasion Principal SB Maharaj Patil, Coy Commander Lt. Dr. Vishwanath Bite, Captain BD Bhosale, Head of NSS Dr. Deshmukh, all NCC cadets, teachers' staff of the college, ex-cadets of NCC, students of NSS, other college students etc. were present.













