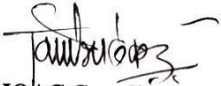



Shirdi Sai Rural Institute's
**Arts, Science and Commerce College,
Rahata**

**Add on and Certificate Courses
2021-22**

Sr. No	Name of the add on/ certificate course
1	Advanced computer skills
2	Certificate course in Human Rights
3	Certificate course in Modi Lipi Training
4	Certificate course in Soil and Water Analysis
5	Certificate course in Sericulture
6	Certificate course in Mushroom cultivation
7	Certificate course introduction to Banking
8	Certificate Course in GIS


IQAC Coordinator





I/C PRINCIPAL
Art's, Science & Commerce College
Rahata, Dist. Ahmednagar

Date- 16/11/2021

To,
Principal,
Arts, Science and Commerce College, Rahata

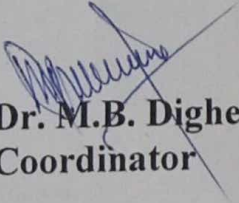
Subject- Permission to start 'Certificate Course' in advanced computer Skill.

Respected Sir,

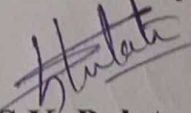
With reference to above subject, Department of Commerce wants to run a Certificate Course in subject "Advanced Computer Skill", for First year B.Com students though who are not aware in this subject.

The syllabus for Certificate course is based on basic computer skill. The syllabus and Time Table is attached with it. You are requested to grant permission to run course


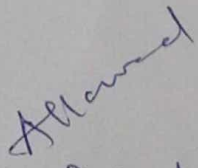
.Thank you,


Dr. M.B. Dighe
Coordinator

Yours Faithfully


Dr. S.K. Pulate
Vice-Principal & H.O.D
Department Commerce

HEAD
DEPARTMENT OF COMMERCE
Arts, Science & Commerce College
Rahata, Dist. Ahmednagar

 
Class
16/11/2021

Shirdi Sai Rural Institutes
ARTSSCIENCE AND COMMERCE COLEGE, RAHATA
Department of Commerce



Organizing
Advanced Computer Skill
Certificate Course



Duration 04th December, 2021 To 10th January , 2022

Hurry up/ Limited Seats Available

Feature:

- To know about Computer and Software and Hardware
- To understand the networking and its importance
- Perform basic functions of file management
- Manage print setting and print document

Dr. M.B. Dighe
(Contact No. 9922156880)

Dr. S. K. Pulate
Head & Vice Principal
Dept. of Commerce

Prof. Sanjay Lahare
I/C Principal

Shirdi Sai Rural Institute's
ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA



Tal- Rahata, Dist-Ahmednagar (423107)

(University of Pune Affiliated ID No.

PU/AN/ASC/052/1997)

Email: rahatacollege@rediffmail.com

Website: <http://pravarassri.org.in>

NAAC Accredited "B++" Grade College

Recipient of "Best Rural College Award" from Student Welfare Board, University of Pune (2011-12)

Recipient of "Best Rural College Award" from University of Pune (2012-13)



Ref./ASCCR/2021-22

Date- 18/11/2021

To,

Dr. B. D. Ranpise,

Vice-Principal & H.O.D.

Commerce Department

P.V.P. College, Pravarangar,

Loni.

Sub.-Syllabus Framing for Advanced Computer Skill

Respected Sir,

We are pleased to inform you are cordially invited to the syllabus framing of Certificate Course in "**Advanced Computer Skill**" which will be held in Department of Commerce in our college for the academic year 2021-22.

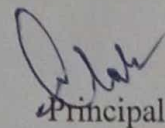
We sincerely hope that you will able to confirm your presence for this syllabus framing program.

We look forward your presence

Thanking you,

Yours Faithfully,

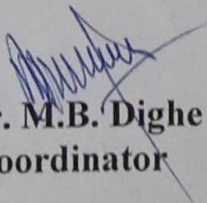
Received
19/11/2021



Principal

PRINCIPAL
Art's Science & Commerce
College, Rahata

Syllabus:-

Sr. No.	Unit	Sub unit
01	Introduction to Computer	Introduction to Computer, Computer System Hardware Computer Memory Input and Output Devices Computer Virus, Types of Viruses, Use of Antivirus software
02	Hardware- software	Introduction and types to Hardware- software
03	Windows	MS-Word: MS-Excel: MS-PowerPoint
04	Introduction to Computer Network	Introduction Importance of Networking Computer Network (LAN, WAN, MAN) Network Components ,Network Topology, Wireless Networks
05	Use of Computer in Commerce	Data Processing, Files and Records, File Organization Computer Applications in Business –
06	Internet and Internet application	Introduction, Internet evolution Working of Internet, Use of Internet Overview of World Wide Web Introduction to Search engine and Searching the Web Downloading files Introduction to Web Browsers Working with E-mail
07	Internet Security	Security, Privacy Ethical Issues & Cyber Law

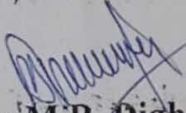

Dr. M.B. Dighe
Coordinator

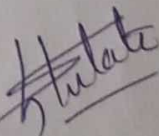

Dr. S.K. Pulate
Vice-Principal & H.O.D
Department Commerce
HEAD

DEPARTMENT OF COMMERCE
Arts, Science & Commerce College
Rahata, Dist. Ahmednagar

Objective of the Course: -

1. To know about Computer and Software and Hardware.
2. To get familiar with the concept of Operating System.
3. To know about Viruses and Ant-Virus used.
4. To Understand the Information Technology.
5. To Use of Computer in Commerce.
6. To learn data processing.
7. To understand the Networking and its importance.


Dr. M.B. Dighe
Coordinator



Dr. S.K. Pulate
Vice-Principal & H.O.D
Department Commerce
HEAD

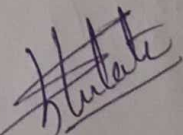
DEPARTMENT OF COMMERCE
Science & Commerce College
Bhata, Dist. Ahmednagar

Outcomes

By the end of this course, student should be able to:

- appropriately start up and shut down computer
- navigate the operating system and start applications
- Perform basic Function of the
- Perform basic functions of file management
- Perform basic functions in a word processor and spreadsheet
- manage print settings and print documents
- Receive and send emails
- Use a web browser to navigate the Internet.


Dr. M.B. Dighe
Coordinator


Dr. S.K. Pulate
Vice-Principal & H.O.D
Department Commerce

HEAD
DEPARTMENT OF COMMERCE
Science & Commerce College
Rahata, Dist. Ahmednagar

Arts, Science & Commerce College, Rahata

Department of Commerce

Certificate Course: 2021-22

Name of Course: - Advanced Computer Skill

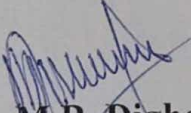
Notice for Students


Date -22/11/2021

All the First Year Students of B.Com are hereby informed that Department of Commerce is organizing Certificate Course in the subject of Advanced Computer Skill. The Certificate course aims that to make primary knowledge strong base Subject in "Advanced Computer Skill."

Those who are interested can register their names to Dr. M. B. Dighe

The Time Table will be display.


Dr. M.B. Dighe
Coordinator


Dr. S.K. Pulate
Vice-Principal & H.O.D
Department Commerce

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DEPARTMENT OF COMMERCE
Arts, Science & Commerce College
Rahata, Dist. Ahmednagar

Arts, Science & Commerce College, Rahata

Department of Commerce

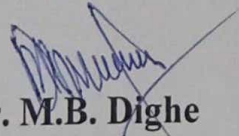
Certificate Course: 2021-22

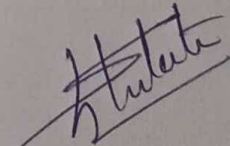
Name of Course: - Advanced Computer Skill

Time Table

(04/12/2021 to 10/01/2022)

Sr.No.	Hall No.	Time	Day
01.	Computer lab	2.00 pm to 3.00 pm	Monday
02.	Computer lab	2.00 pm to 3.00 pm	Tuesday
03.	Computer lab	2.00 pm to 3.00 pm	Wednesday
04	Hall No. S-19	2.00 pm to 3.00 pm	Tuesday
02	Hall No. S-19	2.00 pm to 3.00 pm	Friday
03	Hall No. S-19	2.00 pm to 3.00 pm	Saturday


Dr. M.B. Dighe
Coordinator


Dr. S. K. Pulate
Vice-Principal & H.O.D
Department of Commerce
HEAD

DEPARTMENT OF COMMERCE
Arts, Science & Commerce College
Rahata, Dist. Ahmednagar

Arts, Science & Commerce College, Rahata

Department of Commerce - Advanced Computerskill

Student List- F.Y.B.Com 2021-22

Sr.No.	Name of the student	Gender	Category	Sign
1.	AGRE PAVAN PRADIP	Male	EBC	Agre P.
2.	AMBHORE POOJA JALINDAR	Female	EBC	Ambhore
3.	BANKAR RUPESH EKNATH	Male	EBC	Bankar
4.	BHUJBAL PRANJALI ASHOK	Female	BC	P. Bhujbal.
5.	BHOSALE KANCHAN KUMAR	Female	BC	Bhosale
6.	BOTHE RAVINA NAMDEV	Female	EBC	Bothe
7.	CHITTE RUPESH ANIL	Male	BC	Chitte
8.	CHOLKE KOMAL BHIMRAJ	Female	EBC	Cholke
9.	CHOLKE NISHANT DILIP	Male	EBC	Cholke
10.	GAIKWAD SOMESH ANTON	Male	BC	Gaikwad
11.	GAIKWAD VIDYA KAILAS	Female	BC	Gaikwad
12.	GAME ASHWINI NAVNATH	Female	EBC	Game Ashwini
13.	GAME ROHINI BABASAHEB	Female	EBC	Game Rohini
14.	GAME RUDALI RAVSAHEB	Female	EBC	Game Rudali
15.	GORE RUTUJA KISHOR	Female	BC	Gore
16.	HEKADE ABHIJIT SUSHEN	Male	BC	Hejade
17.	JAGTAP RAVINDRA RATAN	Male	BC	Jagtap
18.	JANJAL SAINATH KISHOR	Male	BC	Janjal
19.	KALE GAYATRI PRAKASH	Female	EBC	Kale Gayatri
20.	KASAR RUSHIKESH ASHOK	Male	BC	Kasare
21.	KUNDE PALLAVI RAMRAO	Female	BC	Kunde
22.	LONDHE KALYANI BABAN	Female	EBC	Londhe
23.	LUTE KALYANI SUNIL	Female	BC	Lute
24.	MALI SUVARNA NAMDEV	Female	BC	Mali
25.	MUGAL SANA SARDAR	Female	BC	Mugal
26.	NALE AKSHAY DATTATRAY	Male	EBC	Nale
27.	NALE KAVERI DILIP	Female	EBC	Nale
28.	NIKALE PRANITA KAILAS	Female	BC	Nikale
29.	NIKALE SHRUTI MAHENDRA	Female	BC	Nikale
30.	PACHARNE AKASH KISAN	Male	EBC	Pacharne
31.	PACHARNE KALYANI PUNJARAM	Female	EBC	Pacharne
32.	PANDIT SHUBHAM RAJENDRA	Male	BC	Pandit
33.	PATHAN KHATUJA BASHIRKHA	Female	EBC	Pathan
34.	PUJARI RUSHIKESH RAJU	Male	BC	Pujari
35.	SAMBARE TEJSWINI SUNIL	Female	BC	Sambare
36.	SAPTE AJINKAYA ASHOK	Male	BC	Sapte
37.	SATDIVE ROHIT BHAUSAHEB	Male	BC	Satdive
38.	SHELAR SAURABH APPASAHEB	Male	EBC	Shelar
39.	SHINDE SURYARAJ LAXMAN	Male	BC	Shinde
40.	TARGE GOKUL KISAN	Male	BC	Targe
41.	TRIBHUWAN KALYANI AMOL	Female	BC	Tribhuwan
42.	TUPE AKANKSHA ASHOK	Female	BC	Tupe

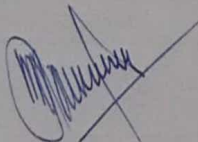
Dr. M.B. Dighe
Coordinator

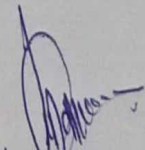
Dr. S.K. Pulate
Vice-Principal & H.O.D
Department of Commerce

DEPARTMENT OF COMMERCE
Arts, Science & Commerce College
Rahata, Dist. Ahmednagar

4/12 6/12 7/12 8/12 9/12 10/12 11/12 13/12 14/12 15/12 16/12 17/12 20/12 21/12 22/12

26	NALE AKSHAY DATTATRAY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
27	NALE KAVERI DILIP	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
28	NIKALE PRANITA KAILAS	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
29	NIKALE SHRUTI MAHENDRA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
30	PACHARNE AKASH KISAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
31	PACHARNE KALYANI PUNJARAM	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
32	PANDIT SHUBHAM RAJENDRA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
33	PATHAN KHATIJA BASHIRKHA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
34	PUJARI RUSHIKESH RAJU	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
35	SAMBARE TEJSWINI SUNIL	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
36	SAPTE AJINKAYA ASHOK	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
37	SATDIVE ROHIT BHAUSAHEB	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
38	SHELAR SAURABH APPASAHEB	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
39	SHINDE SURYARAJ LAXMAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
40	TARGE GOKUL KISAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
41	TRIBHUWAN KALYANI AMOL	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
42	TUPE AKANKSHA ASHOK	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P


Coordinator


HEAD
DEPARTMENT OF COMMERCE
, Science & Commerce College,
Mahata, Dist. Ahmednagar

23/12 24/12 27/12 28/12 29/12 30/12 31/12 01/01 03/01 04/01 05/01 06/01 07/01 08/01 10/01

26	NALE AKSHAY DATTATRAY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
27	NALE KAVERI DILIP	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
28	NIKALE PRANITA KAILAS	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
29	NIKALE SHRUTI MAHENDRA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
30	PACHARNE AKASH KISAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
31	PACHARNE KALYANI PUNJARAM	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
32	PANDIT SHUBHAM RAJENDRA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
33	PATHAN KHATIJA BASHIRKHA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
34	PUJARI RUSHIKESH RAJU	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
35	SAMBARE TEJASWINI SUNIL	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
36	SAPTE AJINKAYA ASHOK	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
37	SATDIVE ROHIT BHAUSAHEB	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
38	SHELAR SAURABH APPASAHEB	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
39	SHINDE SURYARAJ LAXMAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
40	TARGE GOKUL KISAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
41	TRIBHUWAN KALYANI AMOL	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
42	TUPE AKANKSHA ASHOK	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

[Signature]
Coordinator

[Signature]
HEAD
DEPARTMENT OF COMMERCE
Science & Commerce College
Ananta, Dist. Ahmodnagar

Arts, Science & Commerce College, Rahata

Department of Commerce

Certificate Course: 2021-22

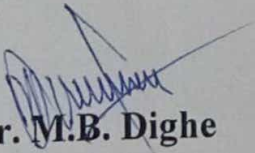
Name of Course: - Advanced Computer Skill

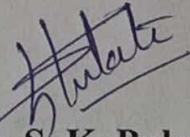
Report

In the academic year 2021-22, under the Department of Commerce of Arts, Science and Commerce, Rahata. Commerce Department, a certificate course was taken on the subject of Advanced Computer skills with the permission of the principal of the college. This certificate course was started with the objective of imparting advanced computer knowledge to the first year students of Commerce Department.

Generally computer course was taken for this period from 04th December 2021 to 10th January 2022. For this course total number of 42 students were admitted in the F.Y.Com class, out of which 18 were boys and 24 were girls.

The students were introduced to computer concepts, computer identification and handling, tools used, hardware and software identification, windows, computer internet information, internet technology, internet applications, types of networking, internet security and computer usage in commerce.


Dr. M.B. Dighe
Coordinator


Dr. S. K. Pulate
Vice-Principal & H.O.D
Department of Commerce

HEAD
DEPARTMENT OF COMMERCE
Arts, Science & Commerce College
Rahata, Dist. Ahmednagar

Arts, Science & Commerce College, Rahata

Department of Commerce

Certificate Course: 2021-22

Name of Course: - Advanced Computer Skill

Photo Gallery



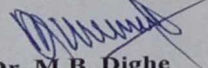
Lecture on Advanced Computer Skill by Dr. M. B. Dighe

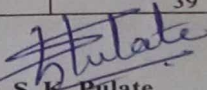


Advanced Computer Skill Practical by Dr. M. B. Dighe and Prof. P.S. Kolage

Arts, Science & Commerce College, Rahata
Department of Commerce- Advanced Computer Skill 2021-22
Evaluation Process

Sr.No.	Name of the student	Theory (20)	Practical (30)	Total (50)
1.	AGRE PAVAN PRADIP	16	24	40
2.	AMBHORE POOJA JALINDAR	18	26	44
3.	BANKAR RUPESH EKNATH	16	25	41
4.	BHUIBAL PRANJALI ASHOK	14	22	36
5.	BHOSALE KANCHAN KUMAR	16	23	39
6.	BOTHE RAVINA NAMDEV	18	24	42
7.	CHITTE RUPESH ANIL	14	21	35
8.	CHOLKE KOMAL BHIMRAJ	16	22	38
9.	CHOLKE NISHANT DILIP	16	24	40
10.	GAIKWAD SOMESH ANTON	18	23	41
11.	GAIKWAD VIDYA KAILAS	18	25	43
12.	GAME ASHWINI NAVNATH	16	24	40
13.	GAME ROHINI BABASAHEB	16	26	42
14.	GAME RUDALI RAVSAHEB	14	26	40
15.	GORE RUTUJA KISHOR	18	24	42
16.	HEKADE ABHIJIT SUSHEN	18	21	39
17.	JAGTAP RAVINDRA RATAN	16	23	39
18.	JANJAL SAINATH KISHOR	16	24	40
19.	KALE GAYATRI PRAKASH	16	25	41
20.	KASAR RUSHIKESH ASHOK	16	24	40
21.	KUNDE PALLAVI RAMRAO	14	22	36
22.	LONDHE KALYANI BABAN	16	21	37
23.	LUTE KALYANI SUNIL	16	24	40
24.	MALI SUVARNA NAMDEV	14	21	35
25.	MUGAL SANA SARDAR	16	23	39
26.	NALE AKSHAY DATTATRAY	14	24	38
27.	NALE KAVERI DILIP	16	25	41
28.	NIKALE PRANITA KAILAS	16	24	40
29.	NIKALE SHRUTI MAHENDRA	18	22	40
30.	PACHARNE AKASH KISAN	16	21	37
31.	PACHARNE KALYANI PUNJARAM	14	21	35
32.	PANDIT SHUBHAM RAJENDRA	16	22	38
33.	PATHAN KHATJA BASHIRKHA	14	23	37
34.	PUJARI RUSHIKESH RAJU	16	21	37
35.	SAMBARE TEJSWINI SUNIL	16	23	39
36.	SAPTE AJINKAYA ASHOK	16	24	40
37.	SATDIVE ROHIT BHAUSAHEB	14	23	37
38.	SHELAR SAURABH APPASAHEB	16	25	41
39.	SHINDE SURYARAJ LAXMAN	14	24	38
40.	TARGE GOKUL KISAN	16	23	39
41.	TRIBHUWAN KALYANI AMOL	16	24	40
42.	TUPE AKANKSHA ASHOK	18	21	39


Dr. M.B. Dighe
 Coordinator


Dr. S. K. Pulate
 Vice-Principal & H.O.D
 Department of Commerce
 DEPARTMENT OF COMMERCE
 Arts, Science & Commerce College
 Rahata, Dist. Ahmednagar

Arts, Science and Commerce College, Rahata

Certificate Course

Marks- 20

Class- F.Y.B.Com

Sub- Advanced Computer Skill

Date- 12 /01/2022

Q.1- Fill in the Blanks.

(Any 10)

20

1. RAM is called -----Access Memory.

- A. Random B. Main C. Secondary D. All Above

2. ----- is a program used for drawing and painting the pictures.

- A. Word B. Notepad C. Paint D. WordPad

3. A virus is a small piece of -----that piggybacks on real Programs.

- A. Hardware B. Software C. Program D. All Above

4. ----- is the one who wants to send some message to the receiver.

- A. User B. Receiver C. Sender D All Above

5. A----- is a group of devices connected to each other.

- A. Network B. Keyboard C. Monitor D. Mouse

6. LAN is -----

- A. Local Area Network B. Logic Area Network
C. Local Area Next D. Last Area Network

7. -----is the raw data entered into computer from Input devices.

- A. Input B. Output C. Process D. Information

8. The first generation computers used -----.

- A. Transistor B. Vacuum Tubes C. Capacitor D. All Above

9. -----is used in inputting the data to the computer.

- A. Keyboard B. Monitor C. Speaker D. Printer

10. -----software is a type of utility used for scanning and removing virus from computer.

- A. System B. Application C. Antivirus D All Above

11. A----- is a group of devices connected to each other.

- A. Network B. Keyboard C. Monitor D. Mouse

12. MAN is -----

- A. Metropolitan Area Network B. More Area Network
C. Most Area Network D. Mass Area Network

Shirdi Sai Rural Institute's
ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA



Tal- Rahata, Dist-Ahmednagar (423107)
(University of Pune Affiliated ID No.
PU/AN/ASC/052/1997)



Email: rahatacollege@rediffmail.com

Website: <http://pravarassri.org.in>

NAAC Accredited "B++" Grade College

CERTIFICATE

On

Advanced Computer skill
Department of Commerce

Mr/Mrs. -----

Class -----Division -----has actively

participated in Certificate Course "Advanced Computer skill" Organized by Department

of Commerce for the Academic year.....

Dr. M. B. Dighe
Coordinator

Dr. S. K. Pulate
Vice-Principal & H.O.D

Principal

Shirdi Sai Rural Institute's
ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA

Tal- Rahata, Dist-Ahmednagar (423107)

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CERTIFICATE

On

Advanced Computer skill

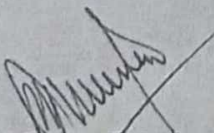
Department of Commerce

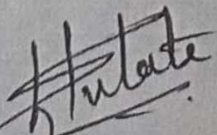
Mr/Mrs. Londhe Kalyani Baban

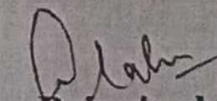
Class F.Y.B. com Division A has actively

participated in Certificate Course "Advanced Computer skill" Organized by Department

of Commerce for the Academic year.....2021-22


Dr. M. B. Dighe
Coordinator


Dr. S. K. Pulate
Vice-Principal & H.O.D


Principal

Shirdi Sai Rural Institute's
ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA

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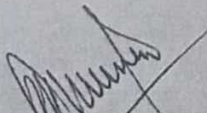
Department of Commerce

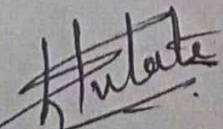
Mr/M/s. Bothe pravin Nomder

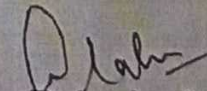
Class F.Y.B.COM Division A has actively

participated in Certificate Course "Advanced Computer skill" Organized by Department

of Commerce for the Academic year 2021-22


Dr. M. B. Dighe
Coordinator


Dr. S. K. Pulate
Vice-Principal & H.O.D


Principal

Arts, Science & Commerce College, Rahata

Department of Commerce

Bridge Course: 2021-22

Name of Course: - Advanced Computer Skill

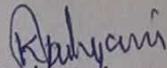
Feedback Form

Date- 04th December 2021 to 10th January 2022

Course Name	Advanced Computer Skill
Course Date	04 th December 2021 to 10 th January 2022
Name of The Student	Londhe Kalyani Baban

Please rate your Course based on the following criterion

Sr.No.	Feedback	Strongly agree	Agree	Unsure	Disagree
1.	Objective of the Course was clear	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	The level of the Course was good	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	The Course exposed you to new knowledge and Practices	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.	I learned Computer Concepts that I will be able to apply when Working	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.	The teaching aids were effectively used	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.	The instructors encouraged interaction and were helpful	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>


Student sign

Arts, Science & Commerce College, Rahata

Department of Commerce

Bridge Course: 2021-22

Name of Course: - Advanced Computer Skill

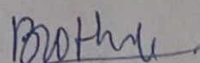
Feedback Form

Date- 04th December 2021 to 10th January 2022

Course Name	Advanced Computer Skill
Course Date	04 th December 2021 to 10 th January 2022
Name of The Student	Bothe pravin Namder

Please rate your Course based on the following criterion

Sr.No.	Feedback	Strongly agree	Agree	Unsure	Disagree
1.	Objective of the Course was clear	✓			
2.	The level of the Course was good		✓		
3.	The Course exposed you to new knowledge and Practices	✓			
4.	I learned Computer Concepts that I will be able to apply when Working	✓			
5.	The teaching aids were effectively used		✓		
6.	The instructors encouraged interaction and were helpful	✓			


Student sign

Arts, Science & Commerce College, Rahata

Department of Commerce

Certificate Course: 2021-22

Name of Course: - Advanced Computer Skill

Feedback Analysis

Date- 04th December 2021 to 10th January 2022

Sr. No.	Feedback	Strongly agree	Agree	Unsure	Disagree	Total
1.	Objective of the Course was clear	28	11	03	0	42
		66.67%	26.19%	7.14%	0	100.00%
2.	The level of the Course was good	34	08	0	0	42
		80.95%	19.05%	0	0	100.00%
3.	The Course exposed you to new knowledge and Practices	32	10	0	0	42
		76.19%	23.81%	0	0	100.00%
4.	I learned Computer Concepts that I will be able to apply when Working	30	11	01	0	42
		71.43%	26.19%	2.38%	0	100.00%
5.	The teaching aids were effectively used	29	12	01	0	42
		66.67%	23.81%	2.38%	0	100.00%
6.	The instructors encouraged interaction and were helpful	31	08	03	0	42
		73.81%	19.05%	7.14%	0	100.00%

1. 92.86 % students agree for objective of the course was clear.
2. All students are agree that the level of the Course was good.
3. 76.19 % students are strongly agree that the Course exposed to new knowledge and Practices.
4. All students will be able to apply when working.
5. 92.86 % students are agree that instructors encouraged interaction and helpful.

'Shirdi Sai Rural Institute's

ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA
Certificate Course on Human Right

DATE- 10/01/2022 TO 20/01/2022

Sr.No	Name of the Document	Remark
1.	Human Right Certificate Course Broacher	✓
2.	Principal sanction letter	✓
3.	Student Circular	✓
4.	Human Right certificate Course Syllabus	✓
5.	Human Right certificate Course time table	✓
6.	Syllabus farming invitation Letter	✓
7.	List of Attendance Student	✓
8.	Signature of Student	✓
9.	Scheme of Examination	✓
10.	Question Paper	✓
11.	Answer sheet	✓
12.	Mark List	✓
13.	Exported out Come	✓
14.	Feedback Form	✓
15.	Feedback Analysis	✓
16.	Feedback Analysis Report	✓
17.	Certificate	✓
18.	Human Right certificate course Report	✓

SHIRDI SAI RURAL INSTITUTES

Arts, Science and Commerce
College Rahata

"NAAC Re-accredited "B++"Grade College"
At Post- Pimplas, Tal - Rahata, Dist. - Ahmednagar (M.S.)
Phone No - 9823229239

HUMAN RIGHTS CERTIFICATE COURSE

10-20 JAN 2022

ORGANIZED BY
DEPARTMENT OF POLITICAL SCIENCE
ASC COLLEGE RAHATA

"NAAC Re-accredited "B++"Grade College"
At Post- Pimplas, Tal - Rahata, Dist. - Ahmednagar (M.S.)

Shirdi Sai Rural Institute was established in 1997 as a Public Trust by the vision of Late Padmabhushan Dr. Balasaheb Vikhe Patil (Ex-Minister, Govt. of India, Founder Trustee, SSRI). The Institute is doing progress under the able guidance of Hon'ble Shri. Radhakrishna Vikhe Patil, Chairman, Shirdi Sai Rural Institute, Pravaranagar, (Minister of Revenue, Animal Husbandry and Dairy Development, Govt. of Maharashtra) and Hon'ble Dr. Sujaydada Vikhe Patil, Member of Parliament, India.

The Arts, Science and Commerce College, Rahata is celebrating the Silver Jubilee of its establishment (1997-2022). The strength of the students was 141, when it was established, now strength is 1800+. Since then the College has been progressing. The college is located very close to the holy place of Lord Sai Baba's Shirdi. In the area of 21 Acres, 48 Teaching and 39 Non-teaching Staff are taking efforts to add the feathers in its cap. College is permanently affiliated to Savitribai Phule Pune University, and included by UGC under 12 (b) and 2(F) section.

In recognition of the excellent educational facilities provided and services rendered to the rural masses, the college has received 'Best Rural College' Award from Savitribai Phule Pune University for the year 2013. In the academic year 2011-12 Student Welfare Board, Savitribai Phule Pune University has honored the college with the Best College Award. The NAAC has re-credited the College with 'B++' Grade in 2017-18.

About the Course

The Training Program is designed as per the prescribed syllabus of SPPU for first year Student. The Course is designed in such a way that students will get a detailed knowledge of Human Rights. Provided in the syllabus.

Topics Covered

- A Meaning, Nature, Evolution and Importance of Human Rights
- United Nations and Human Rights
- Human Rights in India
- Instrumentalities, for protecting Human Rights, judiciary

Registration

- All the participants are requested to register for Department of political science. The Registration offline mode and the details for registration are given below.

Arts, Science and Commerce College, Rahata
Department of political science

Hon'ble Shri. Radhakrishna Vikhe Patil

(Chairman, SSRI, Pravaranagar, Minister of Revenue, Animal Husbandry and Dairy Development, Govt. of Maharashtra)

Hon'ble Mrs. Shalinitai Vikhe Patil

(Trustee, SSRI, Pravaranagar, Ex. President, Zitha Parishad, Ahmednagar)

Hon'ble Dr. Sujaydada Vikhe Patil

(Trustee, SSRI, Pravaranagar, Member of Parliament)

Dr. Mahesh N. Kharde

(Director, SSRI, Pravaranagar)

Local Organizing Committee

Convener

Principal Prof. S. V. Lahare

Prof. T. K. Kumkar

Dr. D.N.Dange

Dr. S.K.Pulate

Prof. S. J. Jagtap

9370487915

Permission Letter

TO

DATE -01 /01 / 2022

THE Principal,

Arts, Science, Commerce Collage Rahata

Tal- Rahata Dist. -Ahmednagar

Subject: Permission to Conduct Certificate course in Human Right.....

Respected sir,

With reference to above mentioned Subject, our department would like to conduct Human Right Certificate course for student. This enhances the information Human Right in Indian constitution skill in the student. "What are Human Rights in India"? This Certificate course will be scheduled after their regular teaching time table. You are kindly requested to give us permission to organize this Certificate course in Human Right

Thanking you,

Handwritten signature and date
11/1/22

Handwritten signature

Yours faithfully,
HEAD

DEPARTMENT OF POLITICAL SCIENCE
Art's, Science & Commerce College
Rahata, Dist. Ahmednagar

'Shirdi Sai Rural Institute's'
ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA



Tal- Rahata, Dist-Ahmednagar (423107)
(University of Pune Affiliated ID No.
PU/AN/ASC/052/1997)
Phone- (02423) 204400, 204488, Fax- (02423) 204488
Email: rahatacollege@rediffmail.com
Website: www.ascrahata.org



Recipient of "Best Rural College Award" from University of Pune (2012-13)
Recipient of "Best Rural College Award" from Student Welfare Board, University of
Pune (2011-12)

"NAAC RE-ACCREDITED "B++" GRADE COLLEGE"

Date 03/01 / 2022

Student circular

It is here by inform to all students that one month certificate course (30Hrs) will be conducted during September to October Academic year 2021-22 At the end of the course all successful students will receive course completion certificate .No fees will be collected from the participant and the classes will be held daily between 9.00 am to 12.00 pm Interesting student can registered their name in link provided to you on your class what 's app group.

Prof. Jagtap S.J.

**Course Coordinator
HEAD**

DEPARTMENT OF POLITICAL SCIENCE
Art's, Science & Commerce Co
Rahata, Dist. Ahmednagar

Principal

I/C PRINCIPAL

Art's, Science & Commerce College
Rahata, Dist. Ahmednagar

'Shirdi Sai Rural Institute's'
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Human Rights Syllabus

Module Title Page No	Module Title
I	❖ A Meaning, Nature, Evolution and Importance of Human rights .Approaches to Human Rights -Western, Marxian and Third World.-
II	❖ United Nations and Human Rights – Universal Declaration – International Covenants as Civil and Political Rights, Social, Cultural and Economic Rights – Institutional Structures and implementation of Human Right
III	❖ Human Rights in India -Constitutional Mandate, Political and Socio-Economic Rights Fundamental Rights and Directive Principles.
IV	❖ Instrumentalities for protecting Human Rights, Judiciary, National Human Rights Commission . The Media, Right to Information Act Rights Movements in India

S. J. Jagtap
Course Coordinator
Prof. S.J.Jagtap
HEAD

DEPARTMENT OF POLITICAL SCIENCE
Arts, Science & Commerce College
Rahata, Dist. Ahmednagar

B. S. Mirnal
Sub .Expert

S. S. Patil
IQAC

IQAC Coordinator
ASC College, Rahata

S. S. Patil
Principal
I/C PRINCIPAL
Art's, Science & Commerce College
Rahata Dist Ahmednagar

Shirdi Sai Rural Institute's'
ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA

SPONSORED BY
DEPARTMENT POLITICAL SCIENCE

Admission open for

Certificate course in Human Right.....

- ❖ Duration Of The Course -1 Months (30 Hrs)
Time -9AM TO 12 PM
 - ❖ Starting From - 4 Week of September
 - ❖ Contact Prof. Shubhangi .J. Jagtap
Asst.Professor & HOD
 - ❖ Mobile No - 9370487915
 - ❖ **Venue –Arts, Science and Commerce College, Rahata Certificate course in Human Right.....**
Presented by -Prof. Shubhangi .J. Jagtap
 - ❖ Eligibility For Admission — 12TH Passing
 - ❖ Medium Of The Course - Marathi & English
 - ❖ Objective Of The Course
- 1 - To Information about Human Right and Duties
 - 2 To Make the Student Aware Of Their Fundamental Right and Fundamental Dutis

'Shirdi Sai Rural Institute's'
ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA



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"NAAC RE-ACCREDITED "B++" GRADE COLLEGE"

Time Table for Certificate course in Human Right.

Class	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
FYBA	9 Am	9 Am	9 Am	9 Am	9 Am	9 Am
SYBA	To	To	To	To	To	To
TYBA	10 AM	10 AM	10 AM	10 AM	10 AM	10 AM
FYBCOM	10 Am	10 Am	10 Am	10 Am	10 Am	10 Am
SYBCOM	To	To	To	To	To	To
TYBCOM	11 AM	11 AM	11 AM	11 AM	11 AM	11 AM
FYBSC	11 Am	11 Am	11 Am	11 Am	11 Am	11 Am
SYBSC	To	To	To	To	To	To
TYBSC	12 AM	12 AM	12 AM	12 AM	12 AM	12 AM

Prof. Jagtap S.J.

COURSE COORDINATOR

DEPARTMENT OF POLITICAL SCIENCE
Art's, Science & Commerce College
Rahata, Dist. Ahmednagar

Principal
I/C PRINCIPAL

Art's, Science & Commerce College
Rahata, Dist. Ahmednagar

'Shirdi Sai Rural Institute's'

ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA



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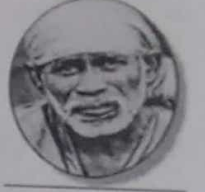
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NAAC ACCREDITED "B++" GRADE COLLEGE

Recipient of "Best Rural College Award" from Student Welfare Board, University of Pune (2011-12)

Recipient of "Best Rural College Award" from University of Pune (2012-13)

ASCCR/IQAC/2020-21/

Date: 05/01/2022

To,

Prof. S. J. Jagtap ,

Head, Dept. of Politics

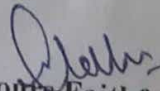
Arts, Science and Commerce College, Rahata

Subject: - Regarding an syllabus framing workshop.

Respected Madam,

With reference to above mention subject I am pleased to inform that you are cordially invited as a Resource person to the Add-on course on "Human Rights in Politics' syllabus framing workshop. This event will be organized at Department of Politics Arts, Science and Commerce College, Rahata And will be held on, Date: 05/01/2022 at 11.00 to 12.00 pm.

Please confirm your availability on or before 20/09/2021 by contacting gives by Emailing us at rahatacollege@rediffmail.com .


Yours Faithfully,

I/C PRINCIPAL

Art's, Science & Commerce College
Rahata, Dist. Ahmednagar

'Shirdi Sai Rural Institute's'

ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA



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Recieipient of "Best Rural College Award" from University of Pune (2012-13)

ASCCR/IQAC/20221/ 22

Date: 05/01/2022

To,

Prof. L. M. Ghotekar,
Dept. of Political science
Pvp College, Loni

Subject: - Regarding to Resource person an invitation as for the
syllabus framing workshop.

Dear Sir,

We are pleased to inform you are cordially invited to the syllabus framing workshop of Certificate course on "Human Rights in Politics " The workshop is scheduled on 5/01/2022, at 11.00 to 12.00 pm. in the college.

We sincerely hope that you will be able to attend syllabus framing workshop above date.

Yours Faithfully,

S. V. Chavare
Prof. S. V. Chavare

Art's, Science & Commerce College
Rahata, Dist. Ahmednagar

'Shirdi Sai Rural Institute's'

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ASCCR/IQAC/2020-21/

Date: 05/01/2022

TO,

Prof. Dr. V.P. Bhalekar,
IQAC Coordinator

Arts, Science and Commerce College, Rahata

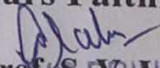
Subject: - Regarding to Resource person an invitation as for the syllabus framing workshop.

Dear Sir,

We are pleased to inform you are cordially invited to the syllabus framing workshop of Certificate course on "Human Rights in Politics" The workshop is scheduled on 5/01/2022, at 11.00 to 12.00 pm. in the college.

We sincerely hope that you will be able to attend syllabus framing workshop above date.

Yours Faithfully,


Prof. S. V. Lahare

Art's, Science & Commerce College
Rahata, Dist. Ahmednagar

'Shirdi Sai Rural Institute's'

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Recipient of "Best Rural College Award" from University of Pune (2012-13)

ASCCR/IQAC/2020-21/

Date: 05/01/2022

To,

Prof. Dr. E. Nirmal,
Head, Dept. of Politics
Arts, Science and Commerce College, Satral

Subject: - Regarding to Resource person an invitation as for the syllabus framing workshop.

Dear Sir,

We are pleased to inform you are cordially invited to the syllabus framing workshop of Certificate course on "Human Rights in Politics" The workshop is scheduled on 5/01/2022, at 11.00 to 12.00 pm. in the college.

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Yours Faithfully,


PRINCIPAL
Prof. S. V. Lahare
Art's, Science & Commerce College
Rahata, Dist. Ahmednagar

'Shirdi Sai Rural Institute's'
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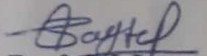
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Recipient of "Best Rural College Award" from Student Welfare Board, University of
Pune (2011-12)

"NAAC RE-ACCREDITED "B++" GRADE COLLEGE"

Student List Certificate course in Human Right...(2021-22)...

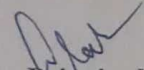
S.R.	Student Name	10/1	11/1	12/1	13/1	14/1	15/1	17	18/1	19/1	20/1
1.	PUND VARSHA RAJENDRA	P	P	P	P	P	A	P	P	P	P
2.	GAIKWAD KMAL RANGANATH	P	A	P	P	P	P	P	P	P	P
3.	DANGE VISHAL SHANTARAM	P	P	P	A	P	A	A	A	P	P
4.	PAGARE RENATH APPASAHEB	A	P	P	P	P	P	P	P	P	A
5.	BOTHE AVISHKAR BALASAHEB	P	P	P	P	P	P	P	P	P	P
6.	BANSODE POOJA SOPAN	P	P	P	A	P	P	P	P	P	P
7.	CHAVHAN RAVN SHIVRAM	P	P	P	P	A	P	P	P	P	P
8.	DUSHING PRANJALI SUNIL	P	P	P	P	P	P	A	P	P	P
9.	CAUDHARI GOVIND VIKRAM	A	P	A	P	P	P	P	A	P	A
10.	DANGE PRASHANT BABASAHEB	P	A	P	P	P	P	P	P	P	P
11.	DANGE KRUSHNA MACHHINDRA	P	P	P	P	P	A	P	P	P	P
12.	DANGE BHUSHAN SAJRERAO	P	P	P	P	P	P	P	P	P	P
13.	BHALERAO MADHURI VIJAY	A	P	P	A	P	P	A	P	P	P
14.	DHUMASE ARCHANA NANASAHEB	P	A	P	P	A	P	P	P	P	P
15.	POKALE ROHINI GANGADHAR	P	P	P	P	P	A	P	P	P	P
16.	AANGRE AKSHADA CHANDRAKANT	P	P	P	A	P	P	P	A	P	P
17.	RANHINJ SUVARANA BALASAHEB	P	P	A	P	P	A	P	P	A	P
18.	BARE SAI BAPUSAHEB	P	A	P	P	P	P	P	P	P	P
19.	GANGURDE SUNIL NAMDEV	P	P	P	P	P	P	A	P	P	P
20.	BANSODE KARAN BHIMRAJ	P	P	P	P	P	P	P	P	P	P
21.	BANSODE PRASAD BALASAHEB	P	P	A	A	A	P	P	P	P	P
22.	BHALERAO PRADIP SUBHASH	P	P	P	P	P	P	P	P	P	P
23.	DHAT POONAM VENKAT	A	A	P	P	P	P	P	P	P	A
24.	BHALERAO ANKITA VIJAY	P	P	P	A	P	A	P	A	P	P
25.	DHANVATE ABHISHEKH ANIL	P	A	P	P	P	P	P	P	A	P
26.	DHANVATE AISHWARYA SATISH	P	P	P	P	A	P	A	P	P	P
27.	GADKARAKASH LAXMAN	P	P	P	P	P	P	P	P	P	P
28.	RANWADE SUDARSHAN PUNJARAM	A	P	P	A	P	P	P	A	P	A

76.	ABUJ SAKSHI VIJAY	P	P	P	P	P	P	P	P	A	P
77.	AGRE PAVAN PRATAP	A	A	P	P	P	A	P	P	P	P
78.	ARANE SIDDHESH PRABHAKAR	P	P	A	A	P	P	P	P	P	A
79.	ARANE ABHISHEK BHAUSAHEB	P	P	P	P	P	A	P	P	A	P
80.	ASHTEKAR NARESH NANASAHEB	P	P	P	P	P	P	P	A	P	P
81.	BRAMHANE AARTI GOKUL	P	P	P	P	P	P	A	P	P	P
82.	CHOLKE AJINKYA BALASAHEB	P	P	P	P	A	P	P	P	P	P
83.	GADEKAR POOJA SHARAD	P	P	P	P	P	P	P	P	P	P
84.	GADEKAR VISHAKHA RAVINDRA	A	P	P	P	P	P	P	P	P	A
85.	GADHAVE SANKET RAMNATH	P	P	A	P	P	P	P	A	A	P
86.	GADHAVE SHRADDHA JALINDAR	P	A	P	A	P	P	P	P	P	P
87.	GADHAVE VIDYA EKNATH	P	P	P	A	P	A	P	P	P	P
88.	GADHAVE VIJAY MACHHINDRA	P	P	P	P	P	P	A	P	P	P
89.	GADHE SAKSHI RAJENDRA	P	P	P	P	P	P	P	P	P	P
90.	GAME GAURI LAXMAN	P	P	A	P	A	P	P	P	P	P
91.	GAME SARIKA ABASAHEB	P	A	P	A	P	P	P	A	P	P
92.	GANGAD SAPNA BHARAT	P	P	P	P	P	P	P	P	A	P
93.	GAVANDE TUSHAR ASHOK	P	P	P	P	A	P	P	P	P	P
94.	GAWANDE RENUKA RAJESH	P	P	A	A	P	P	P	P	P	P
95.	GHORPADE KAVERI RAVSAHEB	A	P	P	P	P	A	P	P	P	A
96.	GHORPADE SONALI DADA	P	P	P	P	P	P	A	A	A	P
97.	GHORPADE TEJAS SANDIP	P	P	P	P	P	P	P	P	P	P
98.	GUNJAL HRUTIK JIJABAPU	P	A	P	P	P	P	P	P	P	P
99.	HINGE PRANJALI RAJENDRA	A	P	P	A	A	P	P	A	P	P
100.	JADHAV MAYURI NILESH	P	P	A	P	P	A	P	P	A	P


Prof. S.J. Jagtap

Course coordinator

DEPARTMENT OF POLITICAL SCIENCE
Art's, Science & Commerce College
Rahata, Dist. Ahmednagar


Principal

I/C PRINCIPAL

Art's, Science & Commerce College
Rahata, Dist Ahmednagar

Shirdi sai rural institutes
Arts, Science Commerce Collage Rahata

Certificate course in Human Right

Department of political science

Academic Year 2021-22

Date -10/1/2022 To 20/1/2022

S.R	STUDENT NAME	
1.	GAIKWAD KOMAL RANGANATH	Gaikwad
2.	DANGE VISHAL SHANTARAM	V. S. Shantaram
3.	PAGARE REVANATH APPASAHEB	Pagare
4.	BOTHE AVISHKAR BALASAHEB	A. B. Bothe
5.	BANSODE POOJA SOPAN	Bansode
6.	CHAVAN RAVAN SHIVRAM	C. R. S.
7.	DUSHING PRANJALI SUNIL	Dushing
8.	CHAUDHARI GOVIND VIKRAM	Chaudhari
9.	DANGE PRASHANT BABASAHEB	Dange
10.	DANGE KRUSHANA MACHINDRA	Dange
11.	DANGE BHUSHAN SARJERAO	Dange
12.	BHALERAO MADHURI VIJAY	Bhalerao
13.	DHUMASE ARCHANA NANASAHEB	Dhumase
14.	POKALE ROHINI GANGADHAR	Pokale
15.	AANGRE ASHADA CHANDRAKANT	A. A. Nangre
16.	RAHINJ SUVARNA BALASAHEB	Rahinj
17.	BARE SAI BAPUSAHB	Bare
18.	GANGURDE SUNIL NAMDEO	Gangurde
19.	BANSODE KARAN BHIMRAO	Bansode
20.	BANSODE PRASAD BALASAHEB	Bansode
21.	BHALERAO PRADIP SUBHASH	Bhalerao
22.	DHAT POONAM VENKAT	Dhat
23.	BHALERAO ANKITA VIJAY	Bhalerao
24.	DHANVATE ABHISHEKH ANIL	Dhanvate
25.	DHANVATE ASHWARYA SATISH	Ashwarya
26.	GADKARKASH LAXMAN	Gadkarkash
27.	RANWADE SUDARSHAN PUNJARAM	Ranwade
28.	RANSHEVARE VARSHA ASHOK	Ranshevare
29.	RAKHPASARE PREM PARASHRAM	Rakhpasare
30.	GANGURDE VARSHA	Gangurde
31.	KHAMBEKAR ADITI SUBHASH	Khambekar
32.	LONDHE AISHWARYA BALASAHEB	Londhe
33.	MATSAGAR ESHA BALASAHEB	Matsagar

[Signature]
HEAD

DEPARTMENT OF POLITICAL SCIENCE
Arts, Science & Commerce Collage
Rahata, Dist. Ahmednagar

34.	NIKALE KSHITJA SANDIP	K.S. N Kale
35.	MUJMULE BHARAT SUDAM	B.S.M.
36.	KHARPAS ROHIT SITARAM	R.K.S.
37.	MUJMULE AAMIT BALASAHEB	Mujmule A.
38.	GUNJAL OMKAR AVIANSH	O.A. Gunjal
39.	LANDAGE ABHIJIT DNYANESHWAR	Landage A.D.
40.	PAWAR ATISH PRADIP	Pawar
41.	SONAWANE VISHAL VISHWANATH	Sonawane V.V.
42.	MAHAVIR RAVINDRA KARNAVAT	M.R.K.
43.	PAWAR AADINATH PRADIP	Pawar
44.	BANSODE ROHIT RAJENDRA	Bansode R.R.
45.	MOKAL VIVEK BHIMRAJ	Mokal V.B.
46.	PAWAR SANNY KIRAN	Pawar
47.	MURADE AAKSHAY BAPUSAHEB	M.A.B.
48.	PAWAR ANIRUDHA PRAKASH	Pawar A.K.
49.	SONAVANE SAINATH VIJAY	Sonawane V.V.
50.	AWARE RUPAM MACHHINDRA	Aware
51.	AWARE SANCHALI PRABHAKAR	Aware S.P.
52.	BANKAR PRASHANT BHAIKAVNATH	Bankar
53.	BANKAR RUPESH EKNATH	Bankar R.E.
54.	BHAGAT GANESH RAVINDRA	Bhagat
55.	BHUJBAL DHANSHRI NANASAHEB	Bhujbal P.A.
56.	BHUJBAL PRANJALI ASHOK	Bhujbal
57.	BORHADE POOJA PRAKASH	P.R. Borhade
58.	BORHADE VAISHNAVI SANJAY	Borhade
59.	BORSE SUJIT JAGANNATH	Borse
60.	BOTHE RAVINA NAMDEV	Bothe R.N.
61.	CHOLKE KOMAL BHIMRAJ	Cholke
62.	CHOLKE NISHANT DILIP	Cholke K.B.
63.	CHOLKE PRASAD BABASAHEB	C.P.B.
64.	GAIKWAD SOMESH ANTON	Gaikwad
65.	GAIKWAD VIDYA KAILAS	V.K. Gaikwad
66.	GAME ASHWINI NAVNATH	A.N. Game
67.	GAME ROHINI BABASAHEB	Game
68.	GAME RUDALI RAVSAHEB	Game
69.	GAVHANE SAURABH GANGADHAR	Gavhane
70.	GIRE AKSHADA SARANGDHAR	Gire A.S.
71.	GORE MAHESH RAVINDRA	GIRE A
72.	HEKADE ABHIJIT SUSHEN	Hejade A.S.
73.	JAGTAP RAVINDRA RATAN	JAGTAP
74.	JANJAL SAINATH KISHOR	Janjal S.K.
75.	ABUJ SAKSHI VIJAY	V.S. Abuj
76.	AGRE PAVAN PRATAP	Agre
77.	ARANE SIDDHESH PRABHAKAR	A.S.P.
78.	ARANE ABHISHEK BHAUSAHEB	ARANE A
79.	ASHTEKAR NARESH NANASAHEB	N.N. Ashatkar
80.	BRAMHANE AARTI GOKUL	Bramhane

[Signature]
HEAD



Shirdi Sai Rural Institute's'
ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA

Tal- Rahata, Dist-Ahmednagar (423107)

(University of Pune Affiliated ID No.

PU/AN/ASC/052/1997)

Phone- (02423) 204400, 204488, Fax- (02423) 204488

Email: rahatacollege@rediffmail.com

Website: www.ascrahata.org

Recipient of "Best Rural College Award" from University of Pune (2012-13)

Recipient of "Best Rural College Award" from Student Welfare Board, University of Pune (2011-12)

"NAAC RE-ACCREDITED "B++" GRADE COLLEGE"



Date: 21/01/2022

Feedback Report Certificate course of Human Right.

Total 100 student were participated in the Human Right Certificate course .57.5% student were responded the Human Right Certificate course was very good. 42.5% student were responded course content is good. 75.2% student were responded the course coordinator is Excellent .19.7% student says course coordinator was very good .3.1% says course coordinator was good. 2.3. %student says course coordinator was average 55.7% student was very satisfied about Human Right Certificate course 40.3 %student satisfied and 4.% student was what satisfied.

S. Jagtap
Prof. S.J.Jagtap

Course Coordinator
HEAD

DEPARTMENT OF POLITICAL SCIENCE
Science & Commerce College
Rahata, Dist. Ahmednagar

Q. Lab
Principal

I/C PRINCIPAL
Art's, Science & Commerce College
Rahata, Dist. Ahmednagar

Certificate course of Human Right

Scheme of Examination:-

1. Candidate should fully interact in the class programmes.
2. Candidate should compulsorily have 85 percent attendance.
3. Candidate should complete and submit about 4 to 6 assignments, which will be given to him/her.
4. Candidate should actively participate in simulation and role play exercises.

5. Theory - One Paper - 100 Marks

Pattern of Question Paper :

There will be 15 questions having one option each for 75 marks each and five question on short notes will be of 25 marks (1 short notes out of six).

Passing Standard - 40 Marks out of 100.

40% to less than 60% will be Second Class

60% to less than 70% will be First Class

70% and above will be Distinction class

In case the student fails, he/she should appear for theory papers. Passed students will get certificate after successful completion of the course.

'Shirdi Sai Rural Institute's'
ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA

Subject – Certificate course in Human Right

Class- FYBA, FYBCOM, FYBSC

Total Marks -100

Date 20 January 2022

Time -11 To 1.00

Name

QUA-1 Write the correct option for each question
(प्रत्येक प्रश्नाचे योग्य उत्तर लिहा)

(75)

- 1) Universal Declaration of Human Right is a [मानवी हक्कांची घोषणा म्हणजे] []
- A] Declaration adopted by several National at an international conference
B] Multilateral treaty
C] UN Security council resolution
D] UN general Assembly Resolution
- 2) The 'Universal Declaration of Human Right 'was adopted by the Un General Assembly in the
Year[राष्ट्रीय मानवाधिकाराची घोषणा कधी केली] []
- A] 1948 B] 1946
C] 1945 D] 1966
- 3) When was UN Commission on Human Rights establish []
- [मानवाधिकार आयोगाची स्थापना कधी झाली]
- A] 1946 B] 1950
C] 1949 D] 1948
- 4) When was the National Human Right Commission Constituted? []
- राष्ट्रीय मानवाधिकाराची स्थापना कधी झाली]
- A] 1992 B] 1995
C] 1996 D] 1993
- 5) The first country to allow voting right for all groups of people was []
- लोकांच्या सर्व गटाला मतदानाचा अधिकार देणारा पहिला देश
- A] USA B] Russia
C] India D] New Zealand

6] How many articles in the Protection of Human Right ACT

[]

[मानवी हक्क सुरक्षित कायद्यात किती कलमे आहेत

- A) 50 B) 40
C) 28 D) 31

7] Who appoint the chairman of the NHRC [कोण NHRC चे अध्यक्ष नियुक्त करतात] []

- A) Prime minister B) President of India
C) Supreme court chief justice D) None of these

8] The Universal Declaration of Human Right ,a Landmark document was adopted by [मानवी हक्कची सर्वत्रिक घोषणा LANDMARK कशात स्वीकारली होती] []

- A) UNO B) UNICEF
C) UNESCO D) International court of justice

9] The Universal Declaration of Human Right was adopted by united nation on [मानवी हक्कची

सर्वत्रिक घोषणा कधी स्वीकारली होती []

- A) 10 December 1948 B) 10 December 1946
C) 1 August 1950 D) 15 September 1945

10] Human Right Day is observed on [मानवी हक्क दिन साजरा केला जातो.] []

- A) 10th December B) 10th October
C) 1st August 1950 D) 15th September 1945

11] When was the International year for Human Right? []

[आंतरराष्ट्रीयमानवी हक्क दिन साजरा केला जातो

- A) 1992 B) 1995
C) 1996 D) 1968

12] What is the retirement age of the chairman of the NHRC? []

NHRC च्या अध्यक्षाच्या निवृत्तीचे वय काय आहे

- A) 55 B) 60
C) 70 D) 65

13] Who should be the chairman of the NHRC [NHRC चे अध्यक्ष कोण असावेत] []

- A] Supreme court Judge B] High court chief justice
C] Supreme court chief justice D] none of these

14] How many members are in the MHRC including the Chairman [MHRC अध्यक्ष सहित किती सदस्य आहेत A] 6 B] 4 []

- C] 7 D] 5

15] Where was the first conference on Woman held [पहिली महिला परिषद कोठे झाली] []

- A] Nairobi B] Mexico city
C] Copenhagen D] Beijing

Qua-2) Write short answers to each question (प्रत्येक प्रश्नाचे थोडक्यात उत्तरे लिहा) (25)

1] Define RTI ACT [आरटीआय कायद्याची व्याख्या सांगा]

ANS.....

2] What is National Human Right commission [राष्ट्रीय मानवाधिकार आयोग म्हणजे काय]

ANS.....

3] Who is the current chairman of the National Human Right Commission? [राष्ट्रीय मानवाधिकार आयोगाचे सध्याचे विद्यमान अध्यक्ष कोण आहेत]

ANS -

4] What is the tenure of the chairman of the national Human Right Commission? [राष्ट्रीय मानवाधिकार आयोग अध्यक्षचा कार्यकाल किती असतो]

ANS.....

5] When change have been made in the National Human Right commission ACT [राष्ट्रीय मानवाधिकार आयोग कायद्यात कधी बदल करण्यात आले]

ANS.....

'Shirdi Sai Rural Institute's'
ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA

Subject - Certificate course in Human Right
Class- FYBA, FYBCOM, FYBSC Total Marks -100

Date 20 January 2022 Time -11 To 1.00

Name Pawan Aadlinath Prudip

84/100
84/100

QUA-1 Write the correct option for each question (75)

(प्रत्येक प्रश्नाचे योग्य उत्तर लिहा)

1) Universal Declaration of Human Right is a [मानवी हक्कांची घोषणा म्हणजे] [D] ✓

A] Declaration adopted by several National at an international conference

B] Multilateral treaty

C] UN Security council resolution

D] UN general Assembly Resolution

2] The 'Universal Declaration of Human Right' was adopted by the Un General Assembly in the

Year[राष्ट्रीय मानवाधिकाराची घोषणा कधी केली]

[A] ✓

A] 1948

B] 1946

C] 1945

D] 1966

3] When was UN Commission on Human Rights establish

[A] ✓

[मानवाधिकार आयोगाची स्थापना कधी झाली]

A] 1946

B] 1950

C] 1949

D] 1948

4] When was the National Human Right Commission Constituted?

[D] ✓

राष्ट्रीय मानवाधिकाराची स्थापना कधी झाली]

A] 1992

B] 1995

C] 1996

D] 1993

5] The first country to allow voting right for all groups of people was

[D] ✓

लोकांच्या सर्व गटाला मतदानाचा अधिकार देणारा पहिला देश

A] USA

B] Russia

C] India

D] New Zealand

6] How many articles in the Protection of Human Right ACT

[D] ✓

[मानवी हक्क सुरक्षित कायद्यात किती कलमे आहेत

- A] 50 B] 40
C] 28 D] 31

7] Who appoint the chairman of the NHRC [कोण NHRC चे अध्यक्ष नियुक्त करतात]

[B] ✓

- A] Prime minister B] President of India
C] Supreme court chief justice D] None of these

8] The Universal Declaration of Human Right ,a Landmark document was adopted by [मानवी हक्कची सर्वत्रिक घोषणा LANDMARK कशात स्वीकारली होती]

[A] ✓

- A] UNO B] UNICEF
C] UNESCO D] International court of justice

9] The Universal Declaration of Human Right was adopted by united nation on [मानवी हक्कची

सर्वत्रिक घोषणा कधी स्वीकारली होती

[A] ✓

- A] 10 December 1948 B] 10 December 1946
C] 1 August 1950 D] 15 September 1945

10] Human Right Day is observed on [मानवी हक्क दिन साजरा केला जातो.]

[A] ✓

- A] 10th December B] 10th October
C] 1st August 1950 D] 15th September 1945

11] When was the International year for Human Right?

[D] ✓

[आंतरराष्ट्रीयमानवी हक्क दिन साजरा केला जातो

- A] 1992 B] 1995
C] 1996 D] 1968

12] What is the retirement age of the chairman of the NHRC?

[D] ✓

NHRC च्या अध्यक्षाच्या निवृत्तीचे वय काय आहे

- A] 55 B] 60
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- A) Supreme court Judge B) High court chief justice
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14] How many members are in the MHRC including the Chairman [MHRC अध्यक्ष सहित किती सदस्य आहेत A] 6 B] 4 [D]

- C] 7 D] 5

15] Where was the first conference on Woman held [पहिली महिला परिषद कोठे झाली] [B]

- A] Nairobi B] Mexico city
C] Copenhagen D] Beijing

Qua-2) Write short answers to each question (प्रत्येक प्रश्नाचे थोडक्यात उत्तरे लिहा) (25)

1] Define RTI ACT [आरटीआय कायद्याची व्याख्या सांगा]

ANS.....

2] What is National Human Right commission [राष्ट्रीय मानवाधिकार आयोग म्हणजे काय]

3 ANS- राष्ट्रीय मानवाधिकार आयोग एक स्वतंत्र व विलिखित संस्था आहे ज्याची स्थापना 12 ऑक्टोबर 1993 ला झाली होती

3] Who is the current chairman of the National Human Right Commission? [राष्ट्रीय मानवाधिकार आयोगाचे सध्याचे विद्यमान अध्यक्ष कोण आहेत]

3 ANS - न्यायमूर्ती कलन कुमार मिश्रा

4] What is the tenure of the chairman of the national Human Right Commission? [राष्ट्रीय मानवाधिकार आयोग अध्यक्षचा कार्यकाल किती असतो]

3 ANS- 3 वर्षे या 70 वर्षे असू शकतात

5] When change have been made in the National Human Right commission ACT [राष्ट्रीय मानवाधिकार आयोग कायद्यात कधी बदल करण्यात आले]

8 ANS- 20 डिसे 1993

'Shirdi Sai Rural Institute's'
ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA

Subject - Certificate course in Human Right
Class- FYBA, FYBCOM, FYBSC Total Marks -100

Date 20 January 2022 Time -11 To 1.00

Name Khambekar Ariti subhash

80
100

QUA-1 Write the correct option for each question
(प्रत्येक प्रश्नाचे योग्य उत्तर लिहा)

(75)

1) Universal Declaration of Human Right is a [मानवी हक्कांची घोषणा म्हणजे] [D] ✓

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D] UN general Assembly Resolution

2] The 'Universal Declaration of Human Right 'was adopted by the Un General Assembly in the

Year[राष्ट्रीय मानवाधिकाराची घोषणा कधी केली] [A] ✓

- A] 1948 B] 1946
C] 1945 D] 1966

3] When was UN Commission on Human Rights establish [A] ✓

[मानवाधिकार आयोगाची स्थापना कधी झाली]

- A] 1946 B] 1950
C] 1949 D] 1948

4] When was the National Human Right Commission Constituted? [D] ✓

राष्ट्रीय मानवाधिकाराची स्थापना कधी झाली]

- A] 1992 B] 1995
C] 1996 D] 1993

5] The first country to allow voting right for all groups of people was [D] ✓

लोकांच्या सर्व गटाला मतदानाचा अधिकार देणारा पहिला देश

- A] USA B] Russia
C] India D] New Zealand

6] How many articles in the Protection of Human Right ACT

[D] ✓

[मानवी हक्क सुरक्षित कायद्यात किती कलमे आहेत

- A] 50 B] 40
C] 28 D] 31

7] Who appoint the chairman of the NHRC [कोण NHRC चे अध्यक्ष नियुक्त करतात]

[B] ✓

- A] Prime minister B] President of India
C] Supreme court chief justice D] None of these

8] The Universal Declaration of Human Right ,a Landmark document was adopted by [मानवी

हक्कची सर्वत्रिक घोषणा LANDMARK कशात स्वीकारली होती]

[C] ✗

- A] UNO B] UNICEF
C] UNESCO D] International court of justice

9] The Universal Declaration of Human Right was adopted by united nation on [मानवी हक्कची

सर्वत्रिक घोषणा कधी स्वीकारली होती

[C] ✗

- A] 10 December 1948 B] 10 December 1946
C] 1 August 1950 D] 15 September 1945

10] Human Right Day is observed on [मानवी हक्क दिन साजरा केला जातो.]

[A] ✓

- A] 10th December B] 10th October
C] 1st August 1950 D] 15th September 1945

11] When was the International year for Human Right?

[D] ✓

[आंतरराष्ट्रीयमानवी हक्क दिन साजरा केला जातो

- A] 1992 B] 1995
C] 1996 D] 1968

12] What is the retirement age of the chairman of the NHRC?

[D] ✓

NHRC च्या अध्यक्षाच्या निवृत्तीचे वय काय आहे

- A] 55 B] 60
C] 70 D] 65

13] Who should be the chairman of the NHRC [NHRC चे अध्यक्ष कोण असावेत]

[C] ✓

A) Supreme court Judge

B) High court chief justice

C) Supreme court chief justice

D) none of these

14] How many members are in the MHRC including the Chairman [MHRC अध्यक्ष सहित किती सदस्य आहेत

A) 6

B) 4

[D] ✓

C) 7

D) 5

15] Where was the first conference on Woman held [पहिली महिला परिषद कोठे झाली] [B] ✓

A) Nairobi

B) Mexico city

C) Copenhagen

D) Beijing

Qua-2) Write short answers to each question (प्रत्येक प्रश्नाचे थोडक्यात उत्तरे लिहा) (25)

1] Define RTI ACT [आरटीआय कायद्याची व्याख्या सांगा]

ANS.....

2] What is National Human Right commission [राष्ट्रीय मानवाधिकार आयोग म्हणजे काय]

5
ANS - The National Human Right commission is a statutory body that was constituted by the Act passed in the Parliament.

3] Who is the current chairman of the National Human Right Commission? [राष्ट्रीय मानवाधिकार आयोगाचे सध्याचे विद्यमान अध्यक्ष कोण आहेत]

3
ANS - A committee constituted for the appointment of the chairman of the National Human Rights

4] What is the tenure of the chairman of the national Human Right Commission? [राष्ट्रीय मानवाधिकार आयोग अध्यक्षचा कार्यकाल किती असतो]

3
ANS - The tenure of the chairman of the National Human Rights commission for five year or 70 year

5] When change have been made in the National Human Right commission ACT [राष्ट्रीय मानवाधिकार आयोग कायद्यात कधी बदल करण्यात आले]

4
ANS - The National Human Rights commission Act has been changed in 2006.

Shirdi Sai Rural Institute's'
ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA

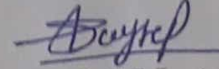
Certificate course in Human Right
Department of political science
Test Mark List

S.R.	Student Name	Marks
1.	PUND VARSHA RAJENDRA	76
2.	GAIKWAD KOMAL RANGANATH	63
3.	DANGE VISHAL SHANTARAM	44
4.	PAGARE RENATH APPASAHEB	48
5.	BOTHE AVISHKAR BALASAHEB	79
6.	BANSODE POOJA SOPAN	82
7.	CHAVHAN RAVN SHIVRAM	85
8.	DUSHING PRANJALI SUNIL	80
9.	CAUDHARI GOVIND VIKRAM	90
10.	DANGE PRASHANT BABASAHEB	56
11.	DANGE KRUSHNA MACHHINDRA	76
12.	DANGE BHUSHAN SAJRERAO	63
13.	BHALERAO MADHURI VIJAY	44
14.	DHUMASE ARCHANA NANASAHEB	48
15.	POKALE ROHINI GANGADHAR	79
16.	AANGRE AKSHADA CHANDRAKANT	82
17.	RANHINJ SUVARANA BALASAHEB	85
18.	BARE SAI BAPUSAHEB	80
19.	GANGURDE SUNIL NAMDEV	90
20.	BANSODE KARAN BHIMRAJ	78
21.	BANSODE PRASAD BALASAHEB	70
22.	BHALERAO PRADIP SUBHASH	82
23.	DHAT POONAM VENKAT	75
24.	BHALERAO ANKITA VIJAY	70
25.	DHANVATE ABHISHEKH ANIL	72
26.	DHANVATE AISHWARYA SATISH	70
27.	GADKARAKASH LAXMAN	55
28.	RANWADE SUDARSHAN PUNJARAM	58
29.	RANSHEVARE VARSHA ASHOK	78
30.	RAKHPASARE PREM PARASHRAM	74
31.	GANGURDE VARSHA BAGUL	72
32.	KHAMBekar ADITI SUBHASH	80
33.	LONDHE AISHWARYA BABASAHEB	85
34.	MATSAGAR ESHABALASAHEB	82
35.	NIKALE KSHITIJ SANDIP	89
36.	MUJMULE BHARAT SUDAM	82
37.	KHARPAS ROHIT SITARAM	81
38.	MUJMULE AAMIT BALASAHEB	75
39.	GUNJAL OMKAR AVIANSH	74
40.	LANDAGE ABHIJIT DNYANESHWAR	78

41.	PAWAR ATISH PRADIP	65
42.	SONAWANE VISHAL VISHWANATH	45
43.	MAHAVIR RAVINDRA KARNAVAT	82
44.	PAWAR AADINATH PRADIP	84
45.	BANSODE ROHIT RAJENDRA	81
46.	MOKAL VIVEK BHIMRAJ	49
47.	PAWAR SANNY KIRAN	82
48.	MURADE AAKSHAY BAPUSAHEB	92
49.	PAWAR ANIRUDHA PRAKASH	55
50.	SONAVANE SAINATH VIJAY	70
51.	AWARE RUPAM MACHHINDRA	76
52.	AWARE SANCHALI PRABHAKAR	74
53.	BANKAR PRASHANT BHAIRAVNATH	71
54.	BANKAR RUPESH EKNATH	72
55.	BHAGAT GANESH RAVINDRA	73
56.	BHUJBAL DHANSHRI NANASAHEB	74
57.	BHUJBAL PRANJALI ASHOK	56
58.	BORHADE POOJA PRAKASH	65
59.	BORHADE VAISHNAVI SANJAY	62
60.	BORSE SUJIT JAGANNATH	63
61.	BOTHE RAVINA NAMDEV	42
62.	CHOLKE KOMAL BHIMRAJ	61
63.	CHOLKE NISHANT DILIP	56
64.	CHOLKE PRASAD BABASAHEB	46
65.	GAIKWAD SOMESH ANTON	25
66.	GAIKWAD VIDYA KAILAS	63
67.	GAME ASHWINI NAVNATH	64
68.	GAME ROHINI BABASAHEB	55
69.	GAME RUDALI RAVSAHEB	56
70.	GAVHANE SAURABH GANGADHAR	63
71.	GIRE AKSHADA SARANGDHAR	68
72.	GORE MAHESH RAVINDRA	89
73.	HEKADE ABHIJIT SUSHEN	56
74.	JAGTAP RAVINDRA RATAN	54
75.	JANJAL SAINATH KISHOR	70
76.	ABUJ SAKSHI VIJAY	75
77.	AGRE PAVAN PRATAP	72
78.	ARANE SIDDHESH PRABHAKAR	82
79.	ARANE ABHISHEK BHAUSAHEB	84
80.	ASHTEKAR NARESH NANASAHEB	89
81.	BRAMHANE AARTI GOKUL	86
82.	CHOLKE AJINKYA BALASAHEB	59
83.	GADEKAR POOJA SHARAD	87
84.	GADEKAR VISHAKHA RAVINDRA	73
85.	GADHAVE SANKET RAMNATH	74
86.	GADHAVE SHRADDHA JALINDAR	46
87.	GADHAVE VIDYA EKNATH	75
88.	GADHAVE VIJAY MACHHINDRA	45
89.	GADHE SAKSHI RAJENDRA	56

90.	GAME GAURI LAXMAN	52
91.	GAME SARIKA ABASAHEB	53
92.	GANGAD SAPNA BHARAT	65
93.	GAVANDE TUSHAR ASHOK	45
94.	GAWANDE RENUKA RAJESH	39
95.	GHORPADE KAVERI RAVSAHEB	55
96.	GHORPADE SONALI DADA	74
97.	GHORPADE TEJAS SANDIP	70
98.	GUNJAL HRUTIK JIJABAPU	71
99.	HINGE PRANJALI RAJENDRA	72
100.	JADHAV MAYURI NILESH	73

Course coordinator



Prof. S.J. Jagtap

HEAD

DEPARTMENT OF POLITICAL SCIENCE
Art's, Science & Commerce College,
Rahata, Dist. Ahmednagar

EXPECTED OUT COME-

After the completion of the course ,we shall expect the following result

1. The student Will be able to take active part in social , political, economic & cultural activities with responsibility
2. This will be on additional advantage to teacher's lawyers, social workers, doctor's ets
- 3 .It will encourage the students to further study in human rights
4. The certificate course in human Rights and duties Education is meant for student and specific target groups such as civil segments, low enforcement personal, NGO /Social Action Group.

Shirdi Sai Rural Institute's'
ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA

DEPARTMENT POLITICAL SCIENCE

Certificate course **Of** Human Right

10/1/2022 TO 20/1/2022

Feedback Form

Name of the student	Myjamule Bharat Sudam
---------------------	-----------------------

Please rate your Course based on the following criterion

Sr.	Feedback	Strong agree	Agree	Unsure	Disagree	Total
1	Objective of the course was clear	✓				
2	The level of the course was good	✓				
3	The course exposed you to new knowledge and practices		✓			
4	I learned skills/concept that I will be	✓				
4	I learned skills/concept that I will be able to apply when working	✓				
5	The teaching aids were effective used	✓				
6	The instructors encouraged interaction and were helpful	✓				


Student signature

'Shirdi Sai Rural Institute's'
ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA

DEPARTMENT POLITICAL SCIENCE

Certificate course Human Right Assessment Report

DATE- 10/01/2022 TO 20/01/2022

Please rate your Course based on the following criterion

Sr.	Feedback	Strong agree	Agree	Unsure	Disagree	Total
1	Objective of the course was clear	66	38	02	00	100
		60%	38%	02%	00	100%
2	The level of the course was good	60	39	01	00	100
		60%	39%	01%	00	100%
3	The course exposed you to new knowledge and practices	75	20	05	00	100
		75%	20%	05%	00	100%
4	I learned skills/concept that I will be able to apply when working	77	18	03	02	100
		77%	18%	03%	02%	100%
5	The teaching aids were effective used	64	31	05	00	100
		64%	31%	05%	00	100%
6	The instructors encouraged interaction and were helpful	72	24	03	01	100
		72%	24%	03%	01%	100%



Shirdi Sai Rural Institute's'
ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA
Tal- Rahata, Dist-Ahmednagar (423107)
(University of Pune Affiliated ID No.
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Email: rahatacollege@rediffmail.com

Website: www.ascrahata.org



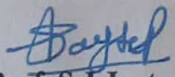
Recipient of "Best Rural College Award" from University of Pune (2012-13)
Recipient of "Best Rural College Award" from Student Welfare Board, University of
Pune (2011-12)

"NAAC RE-ACCREDITED "B++" GRADE COLLEGE"

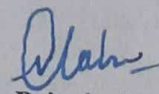
Date: 22/01/2022

Feedback Report Certificate course of Human Right

Total 100 student were participated in the Human Right Certificate course .60% student were responded the Human Right Certificate course was very good. 75% student were responded course content is good. 77% student were responded the course coordinator is Excellence.38 % student says course coordinator was very good .39% says course coordinator was good. 20 %student says course coordinator was average 77% student was very satisfied about Human Right Certificate course 05 %student satisfied and 1 % student was what satisfied.


Prof. S.J. Jagtap

Course Coordinator


Principal
I/C PRINCIPAL
Art's, Science & Commerce College
Rahata, Dist. Ahmednagar.



Shirdi Sai Rural Institute's
ARTS, SCIENCE & COMMERCE COLLEGE, RAHATA

Tal- Rahata, Dist- Ahmednagar-423 107
NAAC Re-accredited B++ Grade College



**"Certificate Course
on**

" Human Right "

Organized by

IQAC & Department of Political Science

CERTIFICATE

This is to certify that **Gaikwad Komal Ranganath** has actively participated "**Certificate Course on Human Right**" held from 10th to 20th January 2022, organised by IQAC & Department of Political science of Arts, Science and Commerce College, Rahata.

Prof. Jagtap.S.J
Hed. of .Dept. Political science

Prof.S.V.Lahare
I/CPrincipal

Report on Human Right course

Department of Political Science

Date: 21/01/2022

The Department of Political Science of Arts, Science and Commerce College, Rahata introduced a certificate course on Human Right Basic Concept of fundamental right and Human Rights Education of law of rights, its history ,theory ,etc This course aims to give the student basic .Education is necessary to develop human Personality and it is helpful to strength human rights & fundamental freedom of the individual .this article accentuates on the importance of human rights education in a student's career .The course was designed with the purpose of introducing the Indian constitution fundamental rights and fundamental duties .

The Department of Political Science offered a 30 hour Human Right course for the first semester all college student of Batch 2021-2022 from 10 January2022 to 20 January2022 An examination was held on 20 January2022 , Thursday between 11 am to 1 pm to assess the knowledge they acquired from the course. The Question Paper include objective from 4 Modules There will be 15 questions having one option each for 75 marks each and five question on short notes will be of 25 marks (1 short notes out of six). Passing Standard - 40 Marks out of 100 All the student clear the test in case the student fails, he/she should appear for theory papers. Passed students will get certificate after successful completion of the course.

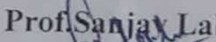
All student actively participated in the course and all the lectures were very useful and information for them. Total students have been participated in course .and successfully completed the Course .This certificate course is definitely useful to the student for their future Purpose

The department of Political Science is very Thankful to dire. Principal, vice principal Sub .Expert IQAC Coordinator of the A.S.C.College Rahata for Providing permission and making availability of learning resources at various stages of course


Prof Shubhangi Jagtap

course HEAD Coordinator

DEPARTMENT OF POLITICAL SCIENCE
Science & Commerce College
Rahata, Dist. Ahmednagar


Prof Sanjay Lahare

Principal

I/C PRINCIPAL
Art's, Science & Commerce College
Rahata, Dist. Ahmednagar

Shirdi Sai Rural Institute's
ARTS, SCIENCE AND COMERCE COLLEGE, RAHATA
AND

Marathi and History Department

Organize a Training Programme on
ModiLipi

Date: 24th March 2022 to 30th April, 2022

Index

Sr. No.	Name of the Documents	Remark
1	Principal Permission Letter	√
2	Invitation resource Person Letter	√
3	Syllabus Framing Letter	√
4	Table Program	√
5	Students Notice	√
6	Staff Notice	√
7	Participants Original List	√
8	Participants Feedback	√
9	Report	√
10	Photographs	√

Prof. A.B. Mate/ Dr. S. B. Kadam

Date- 20/3/2022

History and Marathi Department

Arts, Science and Commerce College, Rahata

To,

The Principal,

Arts, Science and Commerce College, Rahata

Subject- Regarding seeking permission to organize "Training Programme on Modi Lipi"

Dear Sir,

With reference to the above mentioned subject, I would like to request you grant permission to organize "Training Programme on Modi Lipi" under the History and Marathi Department. We would like to conduct the Programme on 25th to 30th April 2022, at 8.30 to 10.30 am onwards.

Thank you,

Amund
Dr. S. B. Kadam
20/3/2022

Dr. S. B. Kadam
Yours sincerely
Dr. S. B. Kadam
A. B.



'Shirdi Sai Rural Institute's'
ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA

Tal- Rahata, Dist-Ahmednagar (423107)

(University of Pune Affiliated ID No.

PU/AN/ASC/052/1997)

Phone- (02423) 204400, 204488, Fax- (02423) 204488

Email: rahatacollege@rediffmail.com

Website: www.ascrahata.org

Recipient of "Best Rural College Award" from University of Pune (2012-13)

Recipient of "Best Rural College Award" from Student Welfare Board, University of Pune (2011-12)

"NAAC RE-ACCREDITED "B++" GRADE COLLEGE"



TO,

Shri Mahesh Joshi,

President,

Vasundhra bhasha Modi Lipi sanvrddhan and Research Center Pune

Subject: - An invitation as a Training Programme

Dear Sir,

We at Arts, Science and Commerce College, Rahata are organizing a Training Programme on "Modi Lipi" under History and Marathi Department, on 25th April 2022, Monday at 09.00 am in the seminar hall of our college. You are cordially invited as a Training Programme. You are requested to guide our College Students.

We look forward to your positive response in this regard,

Thank you,

Received
[Signature]

Yours Faithfully,

[Signature]

I/C Principal
Art's, Sci & Comm College
Rahata

'Shirdi Sai Rural Institute's'

ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA



Tal- Rahata, Dist- Ahmednagar (423107)
(University of Pune Affiliated ID No. PU/AN/ASC/052/1997)
Phone- (02423) 243892, 242488, Fax- (02423) 242488
Email: rahatacollege@rediffmail.com
Website: <http://pravarassri.org.in>



"NAAC ACCREDITED "B++" GRADE COLLEGE"

Recipient of "Best Rural College Award" from University of Pune (2012-13)

Recipient of "Best Rural College Award" from Student Welfare Board, University of Pune (2011-12)

Ref: ASCCR/2021-22

Date -21/03/2022

To,
Prof. Anil Mate,
Head, Dept. of History,
Arts, Science and Commerce College, Rahata

Subject: Regarding an invitation as a subject expert for syllabus framing workshop...

Dear Sir,

We are pleased to inform that you are cordially invited to the syllabus framing workshop of a certificate course on "Modi Script" as a Subject Expert which will be held in April, 2022 by our college. The workshop is scheduled on 22/03/2022, Friday at 11:00 am. in the Department of History.

We sincerely hope that you will be able to confirm your presence for this syllabus framing workshop.

We look forward to your presence.

Thanking you,

Yours Sincerely,

Principal

PRINCIPAL

Art's Science & Commerce College
Rahata, Tal.Rahata, Dist.A.Nagar

'Shirdi Sai Rural Institute's'

ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA



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Recipient of "Best Rural College Award" from Student Welfare Board, University of Pune (2011-12)

Ref: ASCCR/2021-22

Date -21/03/2022

To,
Dr. Kadam Sanjay,
Head, Dept. of History,
Arts, Science, and Commerce College, Rahata

Subject: Regarding an invitation as a subject expert for syllabus framing workshop...

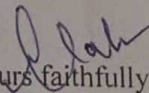
Dear Sir,

We are pleased to inform that you are cordially invited to the syllabus framing workshop of a certificate course on "Modi Script" as a Subject Expert which will be held in March/April, 2022 by our college. The workshop is scheduled on 22/03/2022, Friday at 11:00 am. in the Department of History.

We sincerely hope that you will be able to confirm your presence for this syllabus framing workshop.

We look forward to your presence.

Thanking you,


Yours faithfully

Principal
PRINCIPAL
Art's Science & Commerce College
Rahata, Tal Rahata, Dist. A. Nagar

'Shri Sai Rural Institute's'

ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA

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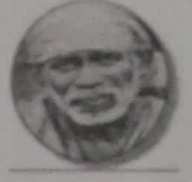
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"NAAC RE-ACCREDITED "B++" GRADE COLLEGE"



ASCCR/H.M.D/2021-22/

Date: 30/04.2022

TO,

Shri Mahesh Joshi,

President,

Vasundhra bhasha Modi Lipi sanvrddhan and Research Center Pune

Subject: Appreciation letter...

Dear Sir,

I am very glad to appreciate you presence at the under the Modi Lipi Training Programme organized by History and Marathi Department of Arts, Science and Commerce College, Rahata. You remained present for the function in our college and guided our students on career opportunities.

I deeply appreciate your approach to look at the skills and your way of communication

Yours Faithfully,

I/C Principal

Art's Sci & Comm College
Rahata

Received
[Handwritten signature]

SSRI's

ARTS, SCIENCE, AND COMMERCE COLLEGE, RAHATA

Department of History and Marathi

Modi-Lipi Training Program

Syllabus

Objectives:

1. To introduce Modi script to the students.
2. To provide students new business opportunities in Modi script.
3. To impart the knowledge of Modi script under this training.
4. To aware students about the economic development through this training programme.

Syllabus

Sr. No.	Name of the Chapter	Lectures
1	History, Introduction and uses	03
2	Barakhadi- Vowel and Consonants, Words	03
3	Joint words and Abbreviations	03
4	Types of Modi documents	02
5	Study of Modi papers	02
6	Reading – Modi script	03
7	Date of documents: a) Arabic Numerals b) Months c) Days	03
8	Shak-Hijri, Fasali and Coronation documents	03
9	Paragraph Writing	05
10	Written Examination	03
		Total = 30

Head

[Signature]

HEAD

DEPARTMENT OF HISTORY
Arts, Science & Commerce College
Rahata, Dist. Ahmednagar

[Signature]
Trainer

DEPARTMENT OF MARATHI
Art's, Science & Commerce College
Rahata, Dist. Ahmednagar

[Signature]
Principal

Principal
Arts, Science & Commerce College,
Rahata, Dist. Ahmednagar

SSRI's

ARTS, SCIENCE, AND COMMERCE COLLEGE, RAHATA

Department of History and Marathi

Modi-Lipi Training Program

Syllabus

Objectives:

1. To introduce Modi script to the students.
2. To provide students new business opportunities in Modi script.
3. To impart the knowledge of Modi script under this training.
4. To aware students about the economic development through this training programme.

Syllabus

Sr. No.	Name of the Chapter	Lectures
1	History, Introduction and uses	03
2	Barakhadi- Vowel and Consonants, Words	03
3	Joint words and Abbreviations	03
4	Types of Modi documents	02
5	Study of Modi papers	02
6	Reading – Modi script	03
7	Date of documents: a) Arabic Numerals b) Months c) Days	03
8	Shak-Hijri, Fasali and Coronation documents	03
9	Paragraph Writing	05
10	Written Examination	03
		Total = 30

Head

HEAD
DEPARTMENT OF HISTORY
Art's, Science & Commerce College
Rahata, Dist. Ahmednagar

Trainer

DEPARTMENT OF MARATHI
Art's, Science & Commerce College
Rahata, Dist. Ahmednagar

Principal

Principal
Arts, Science & Commerce College,
Rahata, Dist. Ahmednagar

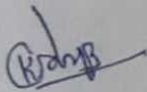
Shirdi Sai Rural Institute's
ARTS, SCIENCE AND COMERCE COLLEGE, RAHATA
And
History and Marathi Department

Modi Lipi Workshop

Date- 18/04/2022

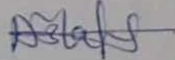
STUDENT NOTICE

All the students of Arts, Science and Commerce College, Rahata are informed that History and Marathi Department is organizing a “**Modi Lipi**” on 25/04/2022 to 30/04/2022 at 08.30am to 10.30 am in the History Department of the college. There will be session on Modi Lipi.



HOD

Dept. of Marathi

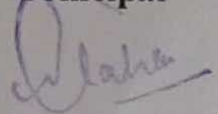


HOD

HEAD

DEPARTMENT OF HISTORY
Dept. of History
Art's, Science & Commerce Colleg.
Rahata, Dist. Ahmednagar.

Principal



I/C Principal
Art's, Sci & Comm College
Rahata

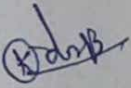
Shirdi Sai Rural Institute's
ARTS, SCIENCE AND COMERCE COLLEGE, RAHATA
And
History and Marathi Department

Modi Lipi Workshop

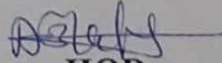
Date- 20/04/2022

STAFF NOTICE

All the faculty members of Arts, Science and Commerce College, Rahata are informed that History and Marathi Department is organizing a "Modi Lipi" on 25/04/2022 to 30/04/2022 at 08.30am to 10.30 am in the History Department of the college. There will be session on Modi Lipi.

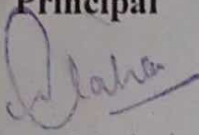

HOD

Dept. of Marathi


HOD

HEAD
Dept. of History
DEPARTMENT OF HISTORY,
Art's, Science & Commerce College
Rahata, Dist. Ahmednagar.

Principal


I/C Principal
Art's, Sci & Comm College
Rahata

Shirdi Sai Rural Institute's
ARTS, SCIENCE AND COMERCE COLLEGE, RAHATA
AND

Marathi and History Department

Organize a Training Programme on
Modi Lipi

Student Attendance

Date: 24th March 2022 to 30th April, 2022,

01.00 pm to 02.00pm

Sr.No.	Name of the Student	Class	signature
01	Bawake Gaitri Madhukar	T.Y.B.Sc	Bawake G. M.
02	Bawake Gayatri Prakash	T.Y.B.Sc	G.P. Bawake
03	Bhujabal Dhanashri Nanabhau	F.Y.B.Com	D. N. Bhujabal
04	Borhade Pooja Prakash	F.Y.B.Com	Borhade P.
05	Murtadak Nikita Changdev	T.Y.B.Sc	M.N.C.
06	Malve Leena Raju	T.Y.B.Sc	L.R. Malve
07	Ghorpade Nikita Laxman	T.Y.B.Sc	N. Ghorpade
08	Gaikwad Priyanka Dattatry	T.Y.B.Sc	P. Gaikwad
09	Tathe Manjusha Babasaheb	T.Y.B.Sc	M. Tathe
10	Kusalkar Shubhangi Ashok	T.Y.B.Sc	S. Kusalkar
11	Bhote Ravina Namdev	F.Y.B.Com	R. Bhote
12	Gaikwad Vidya Kailas	F.Y.B.A	V. Gaikwad
13	Agre Akshada	F.Y.B.A	A. Agre
14	Kale Gaytri Prakash	F.Y.B.Com	G. Kale
15	Pathan Khatija Bashirkha	F.Y.B.Com	K. Pathan
16	Nale Rohit	F.Y.B.Com	R. Nale
17	Agre Pranav	T.Y.B.Sc	P. Agre
18	Rohom Viresh Ramnath	F.Y.B.Com	V. Rohom
19	Sonawane Pawan Devidas	F.Y.B.Com	P. Sonawane
20	Targe Gokul Kisan	F.Y.B.Com	G. Targe
21	Aware Tushar Jalindar	F.Y.B.Com	T. Aware
22	Shaikh Danish Jakir	T.Y.B.Com	D. Shaikh
23	Rakhpasare Prem Parasram	F.Y.B.A	P. Rakhpasare
24	Lute Dnyaneshwari Manoj	T.Y.B.Sc	L. D. Manoj

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DEPARTMENT OF HISTORY
Art's, Science & Commerce College
Rahata, Dist. Ahmednagar.



HEAD
DEPARTMENT OF MARATHI
Art's, Science & Commerce College
Rahata, Dist. Ahmednagar

PRINCIPAL
Art's Science & Commerce College
Rahata, Tal. Rahata, Dist. A. Nagar

25	Jadhav Priti Sharad	T.Y.B.Sc	Jadhav P.S.
26	Kudale Shradha Bhimraj	T.Y.B.Sc	Kudale S.
27	Pawate Anil Dagady	J.C.T - Rahata	Pawate A.
28	Kandalkar Swati Tulshiram	S.Y.B.A	Kandalkar S.
29	Mohite Gauri Anil	S.Y.B.A	Mohite G.
30	Pawate Karan	9 th Std Rahata	Pawate K.
31	Somavanshi Prasad Yogesh	S.Y.B.A	Somavanshi P.S.
32	Gaikwad Pratiksha	F.Y.B.A	Gaikwad P.
33	Jadhav Ashwini Pramod	M.A. - Rahata	Jadhav A.P.
34	Aware Payal Jalindar	T.Y.B.A	Aware P.J.
35	Sable Sandipa Pandurang	T.Y.B.A	Sable S.
36	Jejurkar Pratiksha Shashikant	T.Y.B.A	Jejurkar P.S.
37	Bhujbal Dhanshri Nanasheh	F.Y.B.Com	Bhujbal D.H.
38	Riyaz Shikha Atif	F.Y.B.A	Riyaz S.A.
39	Game Pradip Punjaji	T.Y.B.A	Game P.
40	Bansode Vaibhav Balasaheb	T.Y.B.A	Bansode V.B.
41	Satpute Sandip Sahebrao	Rahata	Satpute S.S.
42	Sadaphal Viresh Govindrao	Rahata	Sadaphal V.G.
43	Kadam Chaitali	S.Y.B.A	Kadam C.

[Handwritten Signature]

HEAD

DEPARTMENT OF HISTORY
Art's, Science & Commerce College
Rahata, Dist. Ahmednagar



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DEPARTMENT OF MARATHI
Art's, Science & Commerce College
Rahata, Dist. Ahmednagar

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PRINCIPAL

Art's Science & Commerce College
Rahata, Tal. Rahata, Dist. A. Nagar



Shirdi Sai Rural Institute's
ARTS, SCIENCE AND COMERCE COLLEGE, RAHATA
AND

Marathi and History Department

Organize a Training Programme on
Modi Lipi

Student Attendance

Date: 24th March 2022 to 30th April, 2022,

01.00 pm to 02.00pm

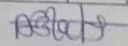
Sr.No.	Name of the Student	Class	12	13	16	18	19	20	21	22	23	25	26	27	28	29	30
01	Bawake Gaitri Madhukar	T.Y.B.Sc	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
02	Bawake Gayatri Prakash	T.Y.B.Sc	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
03	Bhujabal Dhanashri Nanabhau	F.Y.B.Com	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
04	Borhade Pooja Prakash	F.Y.B.Com	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
05	Murtadak Nikita Changdev	T.Y.B.Sc	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
06	Malve Leena Raju	T.Y.B.Sc	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
07	Ghorpade Nikita Laxman	T.Y.B.Sc	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
08	Gaikwad Priyanka Dattatry	T.Y.B.Sc	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
09	Tathe Manjusha Babasaheb	T.Y.B.Sc	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10	Kusalkar Shubhangi Ashok	T.Y.B.Sc	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	Bhote RavinaNamdev	F.Y.B.Com	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	Gaikwad Vidya Kailas	F.Y.B.A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	Agre Akshada	F.Y.B.A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	Kale Gaytri Prakash	F.Y.B.Com	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
15	Pathan Khatija Bashirkha	F.Y.B.Com	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	Nale Rohit	F.Y.B.Com	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	Agre Pranav	T.Y.B.Sc	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P



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DEPARTMENT OF HISTORY
Art's, Science & Commerce College
Rahata, Dist. Ahmednagar.

			12	13	16	18	19	20	21	22	23	25	26	27	28	29	30
18	Rohom Viresh Ramnath	F.Y.B.Com	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	Sonawane Pawan Devidas	F.Y.B.Com	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
20	Targe Gokul Kisan	F.Y.B.Com	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
21	Awate Tushar Jalindar	F.Y.B.Com	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	Shaikh Danish Jakir	T.Y.B.Com	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
23	Rakhpasare Prem Parasram	F.Y.B.A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
24	Lute Dnyaneshwari Manoj	T.Y.B.Sc	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	Jadhav Priti Sharad	T.Y.B.Sc	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
26	Kudale Shradha Bhimraj	T.Y.B.Sc	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
27	Pawate Anil	J.C.T	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
28	Kandalkar Swati Tulshiram	S.Y.B.A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
29	Mohite Gauri Anil	S.Y.B.A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
30	Pawate Karan	9 th Std	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
31	Somavanshi Prasad Yogesh	S.Y.B.A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
32	Gaikwad Pratiksha	F.Y.B.A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
33	Jadhav Ashwini Pramod	M.A.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
34	Awate Payal Jalindar	T.Y.B.A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
35	Sable Sandipa Pandurang	T.Y.B.A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
36	Jejurkar Pratiksha Shashikant	T.Y.B.A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
37	Bhujbal Dhanshri Nanasaheb	F.Y.B.Com	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
38	Riyaz Shikha Atif	F.Y.B.A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
39	Game Pradip Punjaji	T.Y.B.A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
40	Bansode Vaibhav Balasaheb	T.Y.B.A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
41	Satpute Sandip Sahebrao	T.Y.B.A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
42	Sadaphal Viresh Govindrao	T.Y.B.A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
43	Kadam Chaitali	S.Y.B.A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P




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 Art's, Science & Commerce College
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ARTS, SCIENCE AND COMERCE COLLEGE, RAHATA
AND

Marathi and History Department

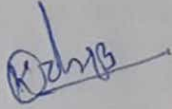
Organize a Certificate Course on

Modi Lipi

Student Mark List

Sr.No.	Name of the Student	Class	Marks
01	Bawake Gaytri Madhukar	T.Y.B.Sc	55
02	Bawake Gayatri Prakash	T.Y.B.Sc	45
03	Bhujabal Dhanashri Nanabhau	F.Y.B.Com	55
04	Borhade Pooja Prakash	F.Y.B.Com	56
05	Murtadak Nikita Changdev	T.Y.B.Sc	66
06	Malve Leena Raju	T.Y.B.Sc	54
07	Ghorpade Nikita Laxman	T.Y.B.Sc	70
08	Gaikwad Priyanka Dattatry	T.Y.B.Sc	64
09	Tathe Manjusha Babasaheb	T.Y.B.Sc	64
10	Kusalkar Shubhangi Ashok	T.Y.B.Sc	70
11	Bhote Ravina Namdev	F.Y.B.Com	64
12	Gaikawad Vidya Kailas	F.Y.B.A	63
13	Agre Akshada	F.Y.B.A	53
14	Kale Gaytri Prakash	F.Y.B.Com	38
15	Pathan Khatija Bashirkha	F.Y.B.Com	62
16	Nale Rohit	F.Y.B.Com	67
17	Agre Pranav Ramesh	T.Y.B.Sc	70
18	Rohom Viresh Ramnath	F.Y.B.Com	36
19	Sonawane Pawan Devidas	F.Y.B.Com	70
20	Targe Gokul Kisan	F.Y.B.Com	52
21	Aware Tushar jalindar	F.Y.B.Com	70
22	Shaikh Danish Jakir	T.Y.B.Com	50
23	Rakhpasare Prem Parasram	F.Y.B.A	46
24	Lute Dnyaneshwari Manoj	T.Y.B.Sc	56
25	Jadhav Priti Sharad	T.Y.B.Sc	52
26	Kudale Shradha Bhimraj	T.Y.B.Sc	56
27	Pawate Anil Dagdu	J.C.T	52
28	Kandalkar Swati Tulshiram	S.Y.B.A	60

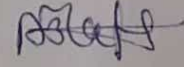
29	Mohite Gauri Anil	S.Y.B.A	55
30	Pawate Karanal Anil	9 th Std	54
31	Somavanshi Prasad Yogesh	S.Y.B.A	45
32	Gaikwad Pratiksha	F.Y.B.A	55
33	Jadhav Ashwini Pramod	M.A.	58
34	Aware Payal Jalindar	T.Y.B.A	65
35	Sable Sandipa Pandurang	T.Y.B.A	55
36	Jejurkar Pratiksha Shashikant	T.Y.B.A	63
37	Bhujbal Dhanshri Nanasheeb	F.Y.B.Com	45
38	Riyaz Shikha Atif	F.Y.B.A	47
39	Game Pradip Punjaji	T.Y.B.A	63
40	Bansode Vaibhav Balasaheb	T.Y.B.A	60
41	Satpute Sandip Sahebrao	T.Y.B.A	67
42	Sadaphal Viresh Govindrao	T.Y.B.A	62
43	Kadam Chaitali	S.Y.B.A	14



Dr. S. B. Kadam

Head of Department

Marathi



Prof. A.B. Mate

Head of Department

HEAD

DEPARTMENT OF HISTORY
History
art's, Science & Commerce College,
Rahata, Dist. Ahmednagar.

Shirdi Sai Rural Institute's
ARTS, SCIENCE AND COMERCE COLLEGE, RAHATA
AND
HISTORY AND MARATHI DEPARTMENT

Organize a Workshop on

Modi Lipi

Date: 30, April, 2022

Feedback

Name of the student - Awate Tushar Jalindar Class- F.Y. Bcom

Sr.No.	Particulars	Excellent	Very Good	Average	Not Good
1.	How Was the Workshop?	✓			
2.	How useful was the information from the speech of the speaker?	✓			
3.	Newness of the knowledge	✓			
4.	Organization of the Workshop	✓			
5.	Your Suggestion	very good suggestion all information for modi lipi and Thank you sir.			

अध्यापक
Signature:

Shirdi Sai Rural Institute's
ARTS, SCIENCE AND COMERCE COLLEGE, RAHATA
AND
HISTORY AND MARATHI DEPARTMENT

Organize a Workshop on

Modi Lipi

Date: 30, April, 2022

Feedback

Name of the student Agre Pranav/ Ramesh

Class- T.Y. BSc

Sr.No.	Particulars	Excellent	Very Good	Average	Not Good
1.	How Was the Workshop?	✓			
2.	How useful was the information from the speech of the speaker?	✓			
3.	Newness of the knowledge	✓			
4.	Organization of the Workshop	✓			
5.	Your Suggestion	This gives me the proper historical knowledge about documents written in 'modi lipi' It creates me more interest in learning			

Agre

Signature:

Shirdi Sai Rural Institute's
ARTS, SCIENCE AND COMERCE COLLEGE, RAHATA
AND
HISTORY AND MARATHI DEPARTMENT

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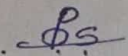
Date: 30, April, 2022

Feedback

Name of the student - Pavan Devidas Sonawane

Class- F.Y. B.com

Sr.No.	Particulars	Excellent	Very Good	Average	Not Good
1.	How Was the Workshop?	✓			
2.	How useful was the information from the speech of the speaker?	✓			
3.	Newness of the knowledge	✓			
4.	Organization of the Workshop	✓			
5.	Your Suggestion	Very good suggestion all information modi lipi and Thank you sir			


Signature:

Shirdi Sai Rural Institute's
ARTS, SCIENCE AND COMERCE COLLEGE, RAHATA
AND
HISTORY AND MARATHI DEPARTMENT

Organize a Workshop on

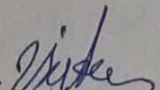
Modi Lipi

Date: 30, April, 2022

Feedback

Name of the student Bansode Yashwantrao Balashub Class- T.P.B.A

Sr.No.	Particulars	Excellent	Very Good	Average	Not Good
1.	How Was the Workshop?	✓			
2.	How useful was the information from the speech of the speaker?		✓		
3.	Newness of the knowledge	✓			
4.	Organization of the Workshop	✓			
5.	Your Suggestion	modi lipi se khatir very good.			


Signature:

Shirdi Sai Rural Institute's
ARTS, SCIENCE AND COMERCE COLLEGE, RAHATA
AND
HISTORY AND MARATHI DEPARTMENT

Organize a Workshop on

Modi Lipi

Date: 30, April, 2022

Feedback

Name of the student Dhanshri Nanabhav Bhujbal Class- f.y Bcom

Sr.No.	Particulars	Excellent	Very Good	Average	Not Good
1.	How Was the Workshop?	✓			
2.	How useful was the information from the speech of the speaker?	✓			
3.	Newness of the knowledge	✓			
4.	Organization of the Workshop	✓			
5.	Your Suggestion				

D.N. Bhujbal
Signature:

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ARTS, SCIENCE AND COMERCE COLLEGE, RAHATA
AND
HISTORY AND MARATHI DEPARTMENT

Organize a Workshop on

Modi Lipi

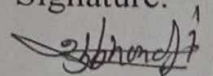
Date: 30, April, 2022

Feedback

Name of the student Kusurkar shubhangi Ashok Class- Ty. BSL

Sr.No.	Particulars	Excellent	Very Good	Average	Not Good
1.	How Was the Workshop?	✓			
2.	How useful was the information from the speech of the speaker?	✓			
3.	Newness of the knowledge	✓			
4.	Organization of the Workshop	✓			
5.	Your Suggestion	Very excellent knowledge.			

Signature:



SSRI's

ARTS, SCIENCE, AND COMMERCE COLLEGE, RAHATA

Department of History and Marathi

Modi-Lipi Training Program

Report

The Department of History and Department of Marathi of Arts, Science and Commerce College, Rahata has conducted Workshop on Modi Lipi" from 24/03/2022 to 30/04/2022, for the students of college and youth from the nearby villages of Rahata, to impart knowledge of Modi Script . The workshop was organized under the guidance of Dr. Mahesh Kharde, Director, SSRI and the Modi script guide Hon. Shri. Mahesh Joshi, Vasundhara, Language, Modi script conservation and Research Centre, Pune.

On the occasion of Inaugural function of this workshop, Dr. Mahesh Kharde, Principal Prof. S.V. Lahare, Vice Principal Dr. D. N. Dange, Dr. S. K. Pulate, and Prof. T. K. Kumkar were present. Dr. S. B. Kadam introduced inaugural function and the guest of this occasion. The Chief Guest, Hon. Shri. Mahesh Joshi guided the students about the significance of Modi Script. President of the event Dr Mahesh Kharde stated that such certificate courses are organized to enhance the knowledge of the students. He also convinced that such course leads towards the overall development of students. The vote of thanks delivered by Dr. D.M. Nalage.

The primary education of this certificate course started from 24/03/2022 to 30/04/2022 in the department of History by Hon. Shri. Mahesh Joshi, Vasundhara, Language, Modi script conservation and Research Centre, Pune. He taught the students the basic information of Modi script that is identification of letter, words, dates, months, letter writing, name of officers etc. during this period. Total 4th students and citizens were actively participated in this certificate course.

The valedictory function presided over and distributed certificates to the participated students and to the citizens. Citizens like Shri. Sandip Sahebrao Satpute, Prof. Anil Pawate, Mrs. Jadhav etc. from Rahata area registered their participation in this certificate course and also expressed their thoughts at the conclusion.

HEAD
DEPARTMENT OF HISTORY
Art's, Science & Commerce College
Rahata, Dist. Ahmednagar

HEAD
DEPARTMENT OF MARATHI
Art's, Science & Commerce College
Rahata, Dist. Ahmednagar

Principal
Arts, Science & Commerce College,
Rahata, Dist. Ahmednagar



रजि. नं. इ. ५८९७

॥ श्री ॥

॥ वळणदार प्राचीन लिपी ही मोडी,
गिरवता गिरवता लागेल गोडी ॥

'वसुंधरा' भाषा, मोडीलिपी संवर्धन आणि
संशोधन केंद्र, पुणे - ५९.



आणि

शिर्डी साई रुशल इन्स्टिट्यूटचे,

कला, विज्ञान व वाणिज्य महाविद्यालय, राहाता

जि. अहमदनगर - ४१३७९०

इतिहास व मराठी विभाग

यांच्या संयुक्त विद्यमाने आयोजित

मोडीलिपी प्रारंभिक प्रशिक्षण वर्ग

२०२ - २०२



प्रमाणित करण्यात येत आहे कि

श्री. / कु.

यांना / हिस, दि.

ते दि.

पर्यंत आयोजित केलेल्या मोडीलिपी प्रारंभिक प्रशिक्षण वर्गात सहभाग घेतला होता.

त्यात ते / त्या यशस्वीरीत्या उत्तीर्ण झाले / झाल्या. आपला मोडीलिपीचा छंद

यापुढे ही असाच चालू ठेवावा या शुभेच्छांसह हे प्रमाण पत्र, अभिनंदन!

दि. / /



श्री. महेश सुरेश जोशी
अध्यक्ष

'वसुंधरा' भाषा, मोडीलिपी संवर्धन आणि
संशोधन केंद्र, पुणे-५९

प्रा. ए. बी. मते
इतिहास विभाग प्रमुख

डॉ. एस.बी. कदम
मराठी विभाग प्रमुख

प्रा. एस.बी. लहारे
प्राचार्य

कला, विज्ञान व वाणिज्य महाविद्यालय, राहाता

मोबाईल : +९१ ७३५०७२८७९८ • E-mail : mahesh16270@gmail.com



Shirdi Sai Rural Institutes
Arts Science and Commerce College Rahata
Organizing



Vasundhara Modi Script and Conservation Institutes Pune
Certificate Course
On Modi Script

Duration 24th March 2022 to 30 April 2022
Hurry up/ Limited Seats Available

Feature:

- Job/ Career Opportunities after Modi, Script Training
- Employment Available due to Modi Script
- An Opportunity to learn Ancient Languages
- An Opportunity to learn About Historical Documents

Dr. Sanjay Kadam
HoD Dept. of Marathi
(9850856303)

Prof. Anil Mate
Dept. Of History
(9767538856)

Prof. Sanjay Lahare
Principal

वसुंधरा, भाषा मोडीलिपी संवर्धन आणि संशोधन केंद्र. पुणे.

क

कला, विज्ञान व वाणिज्य महाविद्यालय, राहाता

मोडीलिपी परीक्षा

प्रश्न 1 मोडी उता-याचे मराठीत रूपांतर करा. 30 गुण

श्रीप्रलकाच्याप्रारंभीभरतातज्यायुनोपीयनपिड
उताघेत्यात्यापैमिउरताभुनीउताघेतीपोडिगिभंउी.पोडिगिभ
नैपेननीपुसुमिउगामधमिमेनपळकघाडिनघ.उ.१४२८
मध्येननुमतानयेनिपोघउन.पिंघिमघकग्रातीडुधंउेपई
स्वपुष्पातयेण्याउीघीयडिसप्रताघेती.

प्रश्न 2 मराठी उता-याचे मोडीत रूपांतर करा. 20 गुण

गुराब हा मुळात अरबी शब्द आहे. एक प्रकारच्या
जहाजाला गुराब असे म्हणतात. गुराब गलबतापेक्षा मोठी असते.
ती वल्ह्याने चालवली जात नाही. केवळ शिडांनी चालविली जाई.
गुराबेवर सामान्यता दोन आणि क्वचित तीन डोलकाठ्या असत.

प्रश्न 3 संक्षिप्त रूप लिहा. (कोणतेही 5)

गुण 20

1) मु.॥ 2) रा.ब.॥ 3) खु ॥ 4) वि ॥ 5) सु ॥

6) बु ॥ 7) इ ॥ 8) जी ॥ 9) नि ॥ 10) चि ॥

प्रश्न 4 अरबी अंक अक्षरी लिहा, (5)

गुण 10

1) 4----- 2) 10 ---- 3) 1----- 4) 1000-----

5) 70 ----- 6) 50 ----- 7) 6----- 8) 500-----

प्रश्न 5 जोड शब्द लिहा. (5)

गुण 10

1) त+य 2) म+ह 3) ब+या 4) न+म

5) ख+या 6) ह+या 7) च+या 8) प+या

प्रश्न 6 तारिख काढा (कोणतेही 2)

10

1) खमस अर्बेन अलफ

2) अशर मया व अलफ

3) इसन्ने अशर मया व अलफ

4) तीसा अशर मयातैन व अलफ

Date: 23/03/2022

To,
The Principal,
SSRI's,
Arts, Science & Commerce College,
Rahata.

Subject: - Permission to conduct a certificate course entitled Soil and Water Analysis.

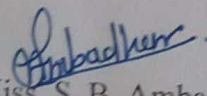
Respected Sir,

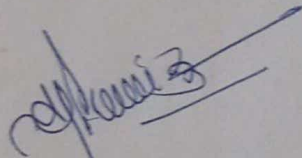
With reference to the above mentioned subject, Department of Chemistry of our college going to conduct certificate course for undergraduate students of science faculty on "Soil and Water Analysis" from 01st April 2022 to 30th June 2022 (03 month).

So its request to you, please give the permission to run this certificate course in the second semester of the academic year 2021-22.

Thank you.

Yours Sincerely,


(Miss. S. B. Ambadkar)
Co-ordinator


(Prof. A. S. Tambe)
Head
HEAD
Dept. of Chemistry
Art's, Science & Commerce College,
Rahata, Dist. Ahmednagar

Allowed
Sub
23/3/2022

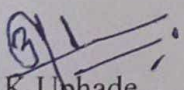
Shirdi Sai Rural Institute's
ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA.


Department of Chemistry

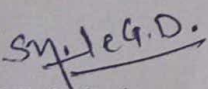
“Soil and Water Analysis”

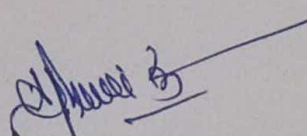
CERTIFICATE COURSE SYLLABUS FRAMING
WORKSHOP

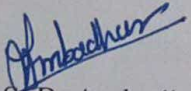
The Committee undersigned meet on Saturday 26th March 2022 at the Department of Chemistry of Arts, Science and Commerce College, Rahata to discuss and finalize the syllabus for certificate course “Soil and Water Analysis” in Chemistry which would be organize during 01st April 2022 to 30th June 2022 for the academic year 2021-2022. The committee finalized the syllabus unanimously and suggests ways to evaluation in the presence of following members:


Dr. B. K. Uphade.
Associate Professor,
(PVP College, Pravaranagar.)


Mrs. Chhaya Sharadchandra Karle.
Assist. Professor,
(ACS College, Satral.)


Dr. G. D. Shirole.
Associate Professor,
(ASC College, Rahata.)


Mr. Adinath Tambe.
Assist. Professor,
(ASC College, Rahata.)

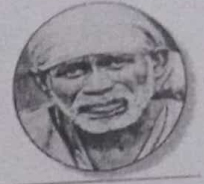

Miss. S. B. Ambadkar.
Co-ordinator

'Shirdi Sai Rural Institute's'

ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA



Tal- Rahata, Dist-Ahmednagar (423107)
(University of Pune Affiliated ID No. PU/AN/ASC/052/1997)
NAAC Track ID- MH-COGN80225
Mobile- 9766767125, 9657400677
Email: rahatacollege@rediffmail.com
Website: Website: www.ascr Rahata.org



Recipient of "Best Rural College Award" from University of Pune (2012-13)
Recipient of "Best Rural College Award" from Student Welfare Board, University of Pune (2011-12)

"NAAC RE-ACCREDITED "B++" GRADE COLLEGE"

Ref. No.ASCR/IQAC/SDB/2021-22/ 452-A

Date: 25/03/2022

To,
Dr.G.D.Shirole.
Associate Professor,
Arts, Science and Commerce College, Rahata.

Subject: - Regarding invitation as a subject expert for syllabus framing.

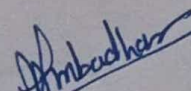
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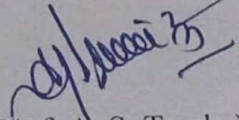
We are pleased to inform that you are co-ordially invited as a Subject Expert for the syllabus framing of certificate course on "Soil and Water Analysis" which will be held from 01st April 2022 to 30th June 2022 in our College. The workshop is scheduled on Saturday, 26th March 2022 at 01:00pm to 02:00pm in Arts, Science and Commerce College, Rahata.

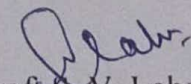
We sincerely hope that you will be able to confirm your presence for this syllabus framing workshop. We look forward to your presence.

Thanking you,

Yours Sincerely,


(Miss. S. B. Ambadkar)
Co-ordinator


(Prof. A. S. Tambe)
HEAD
Dept. of Chemistry
Arts, Science & Commerce College,
Rahata, Dist. Ahmednagar


(Prof. S. V. Lahare)
Principal
Arts, Science & Commerce College,
Rahata, Dist. Ahmednagar

Received
Shirole G.D.

'Shirdi Sai Rural Institute's'

ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA



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Ref. No. ASCR/IQAC/SDB/2021-22/452-A

Date: 25/03/2022

To,
Dr.B.K.Uphade.
Associate Professor,
Padmashri Vikhe Patil Arts, Science and Commerce College, Pravaranagar.

Subject: - Regarding invitation as a subject expert for syllabus framing.

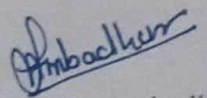
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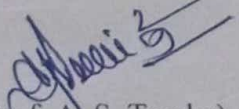
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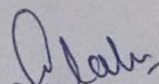
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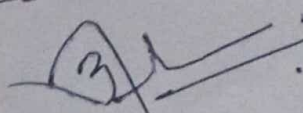
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(Prof. A. S. Tambe)
HEAD
Dept. of Chemistry
Arts, Science & Commerce College,
Rahata, Dist. Ahmednagar


(Prof. S. V. Lahare)
Principal
Arts, Science & Commerce College,
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Received


'Shirdi Sai Rural Institute's'

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Ref. No. ASCR/IQAC/SDB/2021-22/ 452-A

Date: 25/03/2022

To,

Mr. Adinath Tambe.
Assist. Professor,
Arts, Science and Commerce College, Rahata.

Subject: - Regarding invitation as a subject expert for syllabus framing.

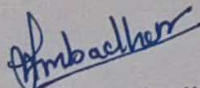
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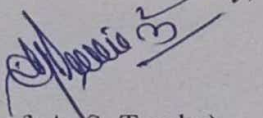
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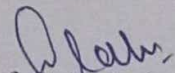
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Date: 25/03/2022

To,
Mrs. Chhaya Sharadchandra Karle.
Assist. Professor,
Art's Commerce and Science College, Satral.

Subject: - Regarding invitation as a subject expert for syllabus framing

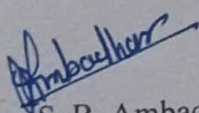
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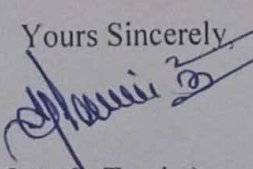
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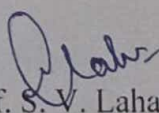
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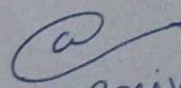
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Arts, Science & Commerce College,
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(Prof. S. V. Lahare)
Principal
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Rahata, Dist. Ahmednagar


Received.

Shirdi Sai Rural Institute's
ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA.

Department of Chemistry
"Soil and Water Analysis"

SYLLABUS

Sr.No	Name of the Experiment
	Soil Analysis
1	Determination of P^H of soil
2	Determination of Electrical Conductivity of soil
3	Determination of $CaCO_3$ of soil
4	Determination of Gypsum requirement of soil
5	Determination of Organic Carbon of soil
	Water Analysis
6	Determination of P^H of irrigation water sample
7	Determination of Electrical Conductivity of irrigation water sample
8	Determination of hardness of irrigation water sample
9	Determination of carbonate, bicarbonate and chloride from irrigation water sample
10	Determination of TDS or dissolved oxygen of irrigation water sample

Experiment No: 1

Aim: Determination of pH of soil.

Theory:

The soil reaction is meant to express the activity or alkalinity of soil.

The P^H is a very important property of soil because it determines the capacity for growth of the plant, availability of nutrients, bacterial activity and physical condition of the soil. If the soil is strongly acidic or alkaline, nothing may grow.

For each species of plant, there is a p^H range favorable for its growth. p^H of soil is determined by an electrometric method using a p^H meter. Usually, on a soil-water mixture, the H^+ ion concentration is as follows:

$$pH = -\log_{10} [H^+]$$

When p^H is below 7, the H^+ concentration exceeds the OH^- concentration and the range is acidic. When p^H is above 7, the OH^- concentration exceeds the H^+ concentration and the range is alkaline.

Principle:

Difference in electrode potential developed in a system is measured as a scale with the help of a p^H meter instrument, keeping a soil-to-water ratio of 1:2.5.

Apparatus: pH meter, Glass electrode, Calomel electrode.

Reagents:

- i) 0.05M potassium hydrogen phthalate solution (pH=4)
- ii) Distilled Water

Procedure:

I) Standardization of pH meter:

1. The pH meter is set as described in the instruction manual and adjusted to zero using the set zero knob of the instrument.
2. Take 0.05 M potassium hydrogen phthalate solution (pH = 4) in a beaker and insert the glass and calomel electrodes into the solution (or combined glass electrode) in the beaker so that the bulb of the electrode is completely immersed into the solution.
3. Turn the two-way switch of the apparatus to the pH 0-7 range side and adjust the set buffer knob of the instrument so that the meter scale reads the reading as pH = 4.

II) Measurement of pH Soil:

1. Weigh 5g of sieved dry soil sample and transfer it to the 25 ml beaker.
2. Add 12.5 ml water and stir it for about 30 minutes.
3. Then the beaker with supernatant soil solution is kept under electrode and immerse the electrode into the soil solution.
4. Note the reading after passing the current through the soil solution.
5. Similarly record the readings of remaining given soil samples.

Observation Table:

Sr. No	Solution of Soil Sample	pH

Soil PH below 6 ----- Acidic

Soil PH 6 to 8.5 -----Normal

Soil PH 8.5 to 9.0 —Tending to become alkali

Soil PH above 9.0 ----Alkaline soil harmful for crops.

Result:

Therefore the given soil is -----.

Experiment No: 2

Aim: To determine the electrical conductivity of soil.

Theory:

Soil electrical conductivity is an indirect measurement that correlates very well with several soil physical and chemical properties. Electrical conductivity is the ability of a material to conduct (transmit) an electrical current and it is commonly expressed in units of milliSiemens per meter (mS/m). Alternatively, electrical conductivity measurements can be expressed in deciSiemens per meter (dS/m), which is 100 times greater than milliSiemens per meter.

Principle:

The salt content present in the given soil sample can be estimated by electrical conductance measurements. In case of a saturated soil it can be estimated by paste or a dilute suspension of soil in water. Amount of total soluble salts present in water is generally expressed in terms of electrical conductivity of sample. It is measured with the help of conductivity meter. Electrical conductance is generally expressed in reciprocal ohms i.e. mhos. The technique is more suitable for salinity measurements because conductivity increases with the salt contents. Electrical conductivity of solution of salt is nearly proportional to its concentration.

Apparatus: Electrical conductivity meter, conductivity cell.

Reagents: 0.01 M KCl

Procedure:

I) Determination of Cell Constant:

1. Connect the apparatus and conductivity cell.
2. Take 0.01 M KCl solution in a 100 ml beaker and insert the conductivity cell into it. And See that the electrodes are completely covered by the solution.
3. Switch on the apparatus and find out the conductance for 0.01 M KCl solution and hence determine the cell constant.

Observation:

Conductance for 0.01 M KCl solution (L) = ----- ohm.

Calculation:

Cell Constant = Specific conductivity of 0.01 M KCl at 25 ° C./ Conductance for 0.01 M KCl

Cell Constant = ----- cm⁻¹

II) Determination of electrical conductivity

1. Weigh exactly 5 g of dry and sieved soil.
2. Transfer it to a 25 ml beaker and add to it about 12.5 ml distilled water (soil to water ratio is 1:2.5)
3. Stir the solution for 30 minutes and measure the conductivity of the soil suspension.

Result:

1.	Cell Constant	cm^{-1}
2.	Electrical Conductivity	mmhos /cm

Rating Scale:

Electrical Conductivity mmhos /cm:

Electrical Conductivity Range	Range
< 1 mmhos /cm	Good Soil
1 – 2 mmhos /cm	Poor seed emergence
2 – 3 mmhos /cm	Harmful for some crops
> 3 mmhos /cm	Harmful for most of the crops.

Experiment No: 3

Aim: Determination of calcium carbonate in soil by rapid titration method.

Theory:

Carbonate is a natural constituent of many soils in the world; most carbonate minerals found in soils are calcite (CaCO_3) and dolomite (Ca\& Mg, CO_3) minerals and exist mainly in the soils.

Most agricultural and environmental planning requires soil analysis, or at least should require analysis for better implementation for any change. Furthermore, better practical analysis methods can rapidly estimate soil properties needed to improve quantitative assessments of land management problems.

Calcium and magnesium carbonate occur naturally in some soils and sediments notably on calcareous soils and sediments notably on calcareous lithologies, and where the shell fragments are present, their presence may also be the result of human activity. Naturally, occurring carbonate such as limestone, dolomite and shell will also contribute to the total carbonate of the soil and their potential presence should be considered when interpreting the data. Carbonates may also be precipitated from the ground water in hard water areas.

Principle:

The soil is treated with excess hydrochloric acid. Carbon dioxide is evolved in the reaction and is collected in standard solution of sodium hydroxide. This is followed by back titration of excess of hydroxide using phenolphthalein as an indicator. At the end point the colour of the solution changes from colorless to pink.

Apparatus:

Burette, pipette, conical, flask, beaker

Chemicals:

0.1N HCl, Standard 0.1N NaOH, phenolphthalein indicator or bromothymol blue indicator

Procedure:

A) Back titration

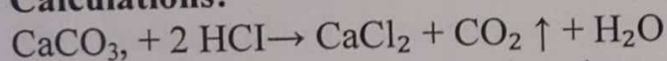
- a) Weigh 5 g of soil sample and transfer it to a clean stoppered bottle.
- b) Add 50 ml of 0.1N HCl to the soil and stir the solution for one hour. Allow to settle.
- c) Filter the solution in a clean conical flask.

d) Pipette out 10 ml filtrate in a conical flask. Add 2-3 drops of phenolphthalein indicator to it and titrate against standard 0.1 N NaOH solutions. End point of the titration is colorless to pink if phenolphthalein is used. If bromothymol blue indicator is used. Then at the end point the colour of the solution changes from yellow to blue. Record the reading as ' X ' ml.

B) Blank titration

- Pipette out 10 ml of 0.1 N HCl in a conical flask.
- Add 2-3 drops of phenolphthalein indicator.
- Titrate this solution against 0.1 N NaOH solutions until the colour of the solution changes from colorless to pink. Note this reading as ' Y ' ml.

Calculations:



From the above reaction, it is clear that

2 moles HCl = 1 mole CaCO_3

I.e. $2 \times 36.5 \text{g of HCl} = 100 \text{g of CaCO}_3$

$\therefore 36.5 \text{ grams of HCl} = 50 \text{ grams CaCO}_3$

Now, 1000 ml 1N HCl = 50 grams of CaCO_3 ,

$(Y - X) \text{ ml } 0.1 \text{ N HCl} = (Y - X) \times 0.1 \times 50 / 1000$

= ' A ' grams of CaCO_3 ,

$\therefore 50 \text{ ml solution contains} = A \times 5 \text{ grams of CaCO}_3$,

= ' B ' grams of CaCO_3 ,

.Amount of CaCO_3 , present in 5 grams of soil = ' B ' g

Now,

$\therefore 5 \text{ g soil} = ' B ' \text{ g}$

$100 \text{ g soil} = 100 \times B / 5$

= ----- %

Result:

1. Amount of CaCO_3 , in given soil = ----- %.

Hence the nature of the soil is Non - Calcareous / highly calcareous / Medium calcareous.

Rating scale:

Nature of soil	CaCO_3 , %
Non calcareous	Less than 4 %
Medium calcareous	Between 4-10 %
Highly calcareous	Greater than 10 %

Experiment No: 4

Aim: Determination of Gypsum requirement of alkaline soils.

Theory:

The reclamation of alkali soil (pH in water suspension exceeding 8.5) requires gypsum treatment for replacement of sodium ions from the exchange complex. The sodium so released has to be leached out by flooding. The gypsum requirement can be determined by adding a known excess of saturated solution of gypsum ($\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$) to soil and estimating its un-reacted amount by EDTA titration.

Principle:

The alkaline soils pH is reclaimed by gypsum treatment. These soils contain large amount of sodium and magnesium. This method involves treatment of a known amount of soil with saturated solutions of gypsum ($\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$). The calcium is adsorbed by the soil leaving sodium and magnesium at equilibrium. The amount of calcium adsorbed by the soil is determined by back titration with standard EDTA solution using Eriochrome Black T indicator, which gives blue green colour in an ionic form and red colour with cation complex. The amount of calcium adsorbed by replacing exchangeable sodium from clay complex at equilibrium stage is a measure of gypsum requirement of soil.

Apparatus:

Burette, pipette, conical flask, beaker.

Chemicals:

Saturated solution of gypsum, $\text{NH}_4\text{Cl} + \text{NH}_4\text{OH}$ Buffer (pH = 10), 0.01M EDTA, 0.01 M ZnSO_4 , saturated CaSO_4 .

Procedure:

A) Standardization of 0.01 M EDTA Solution:

- i) Fill the burette with approx. 0.01 M EDTA solution.
- ii) Pipette out 10 ml of standard 0.01 M ZnSO_4 solution in a conical flask.
- iii) Add 5 ml of buffer solution (pH = 10) with the help of a cylinder and add 5 drops of Eriochrome black- T indicator. Shake the flask. Wine red colour is developed.
- iv) Add from the burette EDTA solution drop by drop till the wine red colour of the solution changes to blue.
- v) Take three more readings in a similar way.

- vi) Note down the constant reading as ' X ' ml.
- vii) From this reading find the exact molarity of EDTA solution and use it in the further calculations.

B) Determination of Gypsum requirement (Back titration)

- a) Take 2.5 gm. of soil in 250 ml conical flask.
- b) Add 50 ml saturated CaSO_4 solution by means of pipette. Shake for 10 minutes and filter.
- c) After rejecting first few ml of filtrate, pipette out 5 ml of extract in conical flask.
- d) Add 1 ml of buffer solution and 3-4 drops of indicator.
- e) Titrate this solution against standard EDTA solution until colour changes from wine red to blue.
- f) Take three readings and record constant burette reading as ' Y ' ml.

C) Blank titration:

- a) Take 5 ml saturated solution of gypsum.
- b) Add 25 ml water, 1 ml buffer and 3-4 drops of indicator. Changes from wine red to blue.
- c) Titrate this solution against standard EDTA solution until colour.
- d) Take three readings and record constant burette reading as ' Z ' ml.

Observation table:

- a) Type of the soil: Black / Brown
- b) Weight of the soil: 2.5 gm.
- c) Volume of sat. CaSO_4 solution added to the soil: 50 ml .
- d) Volume of CaSO_4 taken for blank titration: 5 ml .
- e) Volume of extract taken for back titration: 5 ml.
- f) Volume of 0.01M EDTA required for soil sample (Back titration reading): ' Y ' ml.
- g) Volume of 0.01M EDTA required for blank titration reading ' Z ' ml.
- h) Difference (Blank - Back) : (Z - Y) ml .
- i). Volume of 0.01M EDTA required to react with 10 ml 0.01 M ZnSO_4 = ' X ' ml.

Calculations:

a) Exact Molarity of EDTA

$\text{EDTA} = \text{ZnSO}_4 \cdot 7\text{H}_2\text{O}$

$M_1V_1 = M_2V_2$.

$M_1 = 0.01 \times 10 / X \text{ ml} = \text{----- M.}$

Exact Molarity of EDTA =----- M.

b) Gypsum requirement of soil in kg / ha:

As 1000 ml 1 M EDTA = 20 grams of Ca^{2+}

= 86 g $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$.

:: (Z - Y) ml M EDTA = $86 \times (Z - Y) \times M / 1000 \times 1$

= ' A ' grams of $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$

i.e. 5 ml soil extract requires = ' A ' grams of $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$.

100 ml soil extract (filtrate) required = $A \times 20$ grams $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$

= B grams.

i.e. 5 g of soil requires = B grams of Gypsum.

1 hectare soil (weight = 2240000 kg) will require.

= $B \times 2.24 \times 10^6 / 5$ gypsum.

Result: The gypsum requirement of soil is = ----- kg / ha of gypsum.

Experiment No: 5

Aim: Determination of Organic Carbon of soil.

Theory:

Organic matter in soils and sediments is widely distributed over the earth surface occurring in almost all terrestrial and aquatic environments. Soils and sediments contain a large variety of organic materials ranging from simple sugars and carbohydrates to the more complex proteins, fats, waxes, and organic acids. Important characteristics of the organic matter include their ability to: form water-soluble and water insoluble complexes with metal ions and hydrous oxides; interact with clay minerals and bind particles together; sorb and desorb both naturally-occurring and anthropogenically-introduced organic compounds; absorb and release plant nutrients; and hold water in the soil environment. As a result of these characteristics, the determination of total organic carbon (a measure of one of the chemical components of organic matter that is often used as an indicator of its presence in a soil or sediment) is an essential part of any site characterization since its presence or absence can markedly influence how chemicals will react in the soil or sediment.

Principle:

For the determination of Organic Carbon Of soil, dry combustion and wet digestion method are used .the dry combustion gives absolute values and is useful for very accurate work. For ordinary routine work Walkley and Black's rapid titration method is useful.

In this principle the soil is digested with chromic and sulphuric acid making use of the heat of dilution of sulphuric acid.

The excess of chromic acid not reduced by the organic matter of the soil it is determined by the titration with std. ferrous sulphate or ferrous ammonium sulphate solution Nitrate interfere with the estimation only when present in more than 1/20th of the carbon.

Reagents:

1N $K_2Cr_2O_7$

96% H_2SO_4

85% Phosphoric acid

Diphenylamine indicator

N/2 Ferrous Ammonium Sulphate

Procedure:

Take 2-10 gm. of soil in a 500ml conical flask Add 10ml of 1N $K_2Cr_2O_7$ solution and 20ml conc. H_2SO_4 shake well for a minute or two and allow it to stand on an asbestos mat for about 30 minute.

Add 20ml of water 10ml of Phosphoric acid 1ml of Diphenylamine indicator solution. A deep violet colour will appear titrate it with N/2 Ferrous Ammonium Sulphate till the violet colour to purple and finally to green.

Add 0.5 ml $K_2Cr_2O_7$ solution and titrate it with N/2 Ferrous Ammonium Sulphate solution until the colour changes to green if more than 8 ml of $K_2Cr_2O_7$ reduced during the digestion the determination should be repeated using a small quantity of soil.

In the same way to carry out a blank determination also and calculate the result.

Observation:

a. Wt. of soil = ----- W gm.

b. Volume of 0.5 N Ferrous Ammonium Sulphate solution required for reducing 10 ml of $K_2Cr_2O_7$ solution = X ml.

c. Volume of 0.5 N Ferrous Ammonium Sulphate solution required for reducing excess of dichromate = Y ml.

Difference = X - Y

Calculation:

1 ml of 1 N of $K_2Cr_2O_7$ = 0.003 gm. Carbon

Percentage of carbon in soil = $(X - Y) \times 0.003 \times 100 / 2 \times W = Z$

Percentage of organic matter in soil = $Z \times 100 / 58$

Result: The soil containing organic matter: -----%

Experiment No: 6

Aim: Determination of pH of irrigation water samples.

Theory:

The pH balance of a water supply describes how acidic or alkaline it is. The acidity (or alkalinity) of a water supply can affect plant growth, irrigation equipment, pesticide efficiency and drinking water. Water with a pH below 7 is acid and water with a pH above 7 is alkaline. Most natural waters are between pH 5 and 8. The generally accepted pH for irrigation water is between 5.5 and 7.5, but some problems can occur within this range. Alkaline water may contain high concentrations of bicarbonate (generally in water of pH 8 and above) and carbonates (generally pH 9 and above). This can cause calcium and magnesium to precipitate from the soil, this can affect plant growth. Some trace elements, like copper and zinc, will also be less available to the plant in this situation. A pH greater than 7.5 is likely to reduce the effectiveness of chlorine disinfection. Acidic water can also have a detrimental effect on plant growth, particularly causing nutritional problems, while strongly acidic water (below pH 4) can contribute to soil acidification. A pH less than 6 indicates corrosiveness, which can lead to damage to metal pipes, tanks and fittings. Water lower than pH 6.0 or higher than pH 8.5, when used in spray mixes, can lessen the effectiveness of some pesticide.

Principle:

Irrigation water always contains some soluble salts. Such irrigation water may affect the crop growth and soil properties that are dependent on the quality and quantity of salts present in it. Hence knowledge of the quality of water and its nutrient content is essential for judging its suitability for irrigation purposes and usefulness to plant nutrient supply. Usually, the water which outflows from industries as effluents and domestic waste as sewage may contain some specific nutrients, undesirable heavy metals and / or organic substances enriched in plant nutrients. Water though unsuitable for reuse in industry or domestic purpose may be quite useful for irrigation of field crops if assessed thoroughly for organic and mineral constituents.

Collection of Irrigation Water Sample:

While collecting irrigation water sample

following precautions are to be taken.

- a. One liter water sample is sufficient to carry out most physical and chemical analysis.

- b. Samples should be collected in polythene bottles only. Avoid use of metal containers.
- c. More reliable results are obtained, if samples are analyzed as soon as collected. If preserved for longer time, temperature should be maintained at 4 ° C or 2-3 drops of pure toluene may be added to prevent bacterial growth.
- d. Remove the suspended matter if present, either by centrifugation or filtration.
- e. Water sample should be collected from the center of the width of the ponds, lakes, reservoirs, canals and rivers avoiding the dust settled on the surface.

Part I: Determination of pH of irrigation water:

Apparatus:

pH meter, electrodes, beaker.

Reagents:

Buffer (pH = 4), Buffer (pH = 7), Buffer (pH = 9.2)

Procedure:

- a. Allow the pH meter to warm up for 10 minutes before recording the pH.
- b. Calibrate the pH meter using buffer solutions of pH = 4 and 9.2.
- c. Take 25 ml clear irrigation water sample in a 100 ml beaker and measure the pH of water by immersing the glass electrode and calomel electrode .

Result:

- a. pH of the irrigation water sample A =

Experiment No: 7

Aim: Determination of Electrical Conductivity of irrigation water samples.

Principle:

The salt content of the water can be estimated by the electrical conductance measurements. The conductivity of solution of salts is directly proportional to the concentration of a solution. Electrical conductivity is determined by measuring electrical resistance of the solution. The conductance is the reciprocal of the resistance and its unit is mmhos / cm.

Apparatus: Electrical conductivity meter, conductivity cell.

Reagents: 0.01N KCI

Procedure:

I. Determination of Cell Constant

1. Connect the apparatus and conductivity cell
2. Take 0.01 M KCI solution in a 100 ml beaker and insert the conductivity cell into it. And See that the electrodes are completely covered by the solution.
3. Switch on the apparatus and find out the conductivity for 0.01 M KCI solution and hence determine the cell constant.

Observation:

Conductivity for 0.01 M KCI solution (L) = ----- ohm.

Calculation:

Cell Constant = = Specific conductivity of 0.01 M KCI at 25 ° C. / Conductance for 0.01 M KCI

Cell Constant = cm⁻¹

Experiment No: 8

Aim: To determine total hardness of the given sample of water by using EDTA method.

Theory:

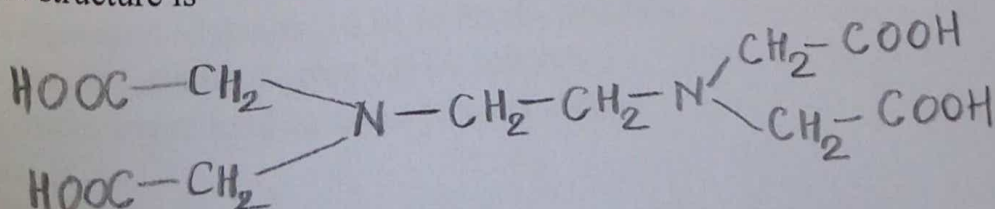
Hardness in water is due to the presence of dissolved salts of calcium and magnesium. It is unfit. Hence it is necessary to estimate the amount of hardness producing substances present in the water sample. Once it is estimated, the amount of chemicals required for the treatment of water can be calculated. The estimation of hardness is based on complexometric titration. Hardness of water is determined by titrating with a standard solution of ethylene diamine tetra acetic acid (EDTA) which is a complexing agent. Since EDTA is insoluble in water, the disodium salt of EDTA is taken for this experiment. EDTA can form four or six coordination bonds with a metal ion. Two type of hardness is present in water first is temporary hardness and second is permanent hardness. Temporary hardness is due to the presence of bicarbonates of calcium and magnesium ions. It can be easily removed by boiling. Permanent hardness is due to the presence of chlorides and sulphates of calcium and magnesium ions. This type of hardness cannot be removed by boiling.

Instructions:

- (1) Dilute the given solution of hard water with distilled water to 250 ml. in a volumetric flask and use 25 ml of the diluted solution for the estimation.
- (2) Prepare exact 0.01 M $\text{ZnSO}_4 \cdot 7 \text{H}_2\text{O}$ solutions.
- (3) Standardize the given 0.01 M (approx.) EDTA solution.

Principle:

The total hardness of water is mainly due to the dissolved salts of calcium and magnesium. These Ca^{2+} and Mg^{2+} ions readily form complexes with EDTA (Ethylene Diamine Tetra Acetic Acid.) E.D.T.A. is a tetra protic (tetrabasic) acid and its structure is

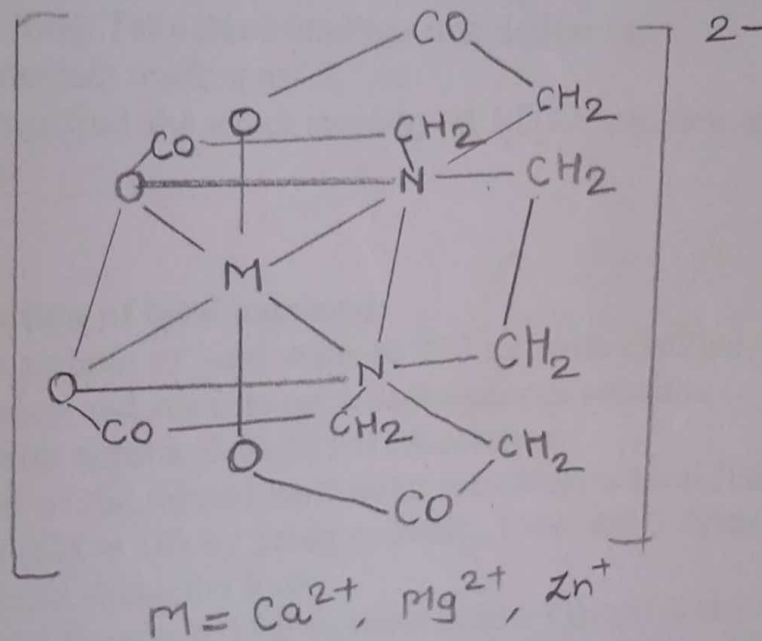


It is usually written as H_4Y . Actually the disodium salt of EDTA ($\text{Na}_2\text{H}_2\text{Y}$) is used in the titration and called as EDTA. Both nitrogen and oxygen atoms in EDTA are electron donors, hence it forms chelate complexes with many metal ions. It reacts

with metal ions in the molar ratio of 1:1. The reaction between divalent metal ion; M^{2+} (e.g. Ca^{2+} , Mg^{2+} , Zn^{2+}) can be represented as:



Most of the cations form stable and soluble complexes with EDTA. Since H^+ ions are produced during the formation of a complex, the stability of EDTA complexes depends upon the pH of the solution. The structure of the metal EDTA complex is shown below



The quantitative estimation of the metal ions is carried out by titrating their solution against EDTA using suitable indicator at proper pH of the solution. These titrations are usually called complexometric or chelometric. The water sample having Ca^{2+} and Mg^{2+} ions are titrated against EDTA solution using Eriochrome black-T as indicator. This gives total hardness of the given sample of water.

This experiment involves following steps.

- (A) Preparation of standard 0.01 M $ZnSO_4$ solution.
- (B) Standardisation of given EDTA solution.
- (C) Estimation of total hardness of water sample.

Chemicals:

- A sample of hard water → Given in 250 ml. Measuring flask.
- AR grade $ZnSO_4 \cdot 7H_2O$ crystals (Mol. Wt. 287.38 g)
- Buffer solution (pH = 10) ($NH_3 + NH_4Cl$)
- Eriochrome black - T indicator (Freshly prepared)

Procedure:

Part A: Standardisation of given EDTA Solution:

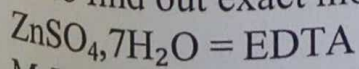
1. Fill burette no. 1 with approximate 0.01 M EDTA solution.
2. Pipette out 10 ml of standard 0.01 M ZnSO_4 , solution in a conical flask.
3. Add 5 ml. of buffer solution (pH = 10) with the help of a cylinder. Then add 5 drops of Eriochrome Black T indicator. Shake the flask. Wine red colour is developed.
4. Add from the burette EDTA solution drop by drop till the wine red colour of the solution changes to blue. Take three readings in a similar way.
5. Note down the constant reading as ' X ' ml.
6. From this readings find the exact molarity of EDTA solution and use it in the further calculations.

Part B: Determination of total hardness:

1. Dilute the given sample of hard water to 250 ml. with distilled water. Take out all solution in a beaker and stir it to get a homogeneous solution.
2. Fill the burette with approx. 0.01 M EDTA solution.
3. Pipette out 25 ml of the diluted hard water sample in conical flask and add 5 ml of buffer solution (pH = 10) by using cylinder. Then add 5 drops of Eriochrome Black -T indicator and shake the flask.
4. Now add from the burette EDTA solution drop by drop till the wine red colour of the solution changes to blue.
5. Take three readings in a similar way.
6. Note down the constant reading as ' Y ' ml.
7. From this readings find the exact molarity of EDTA solution and use it in the further calculations.

Calculations:

1. To find out exact molarity of EDTA solution.



$$M_1 V_1 = M_2 V_2$$

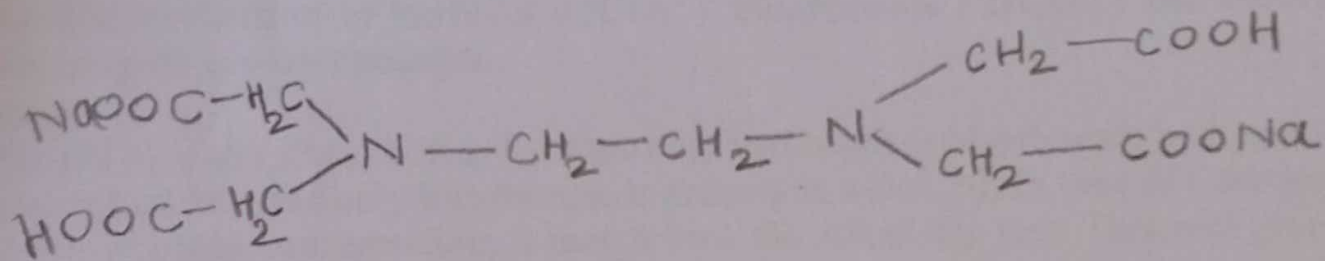
$$0.01 \times 10 = M_2 \times ' X ' \text{ ml}$$

$$M_2 = 0.01 \times 10 / X$$

$$M_2 = \text{-----Exact molarity of EDTA solution.}$$

Part C: Determination of total hardness.

Equation:



Calculations:

The hardness of water is usually expressed in terms of calcium carbonate.

The reaction is, $\text{Ca}^{2+} + \text{Na}_2\text{EDTA} \rightarrow [\text{EDTA}(\text{Ca}^{2+})\text{complex}]^{2-} + 2\text{Na}^+ + 2\text{H}^+$

From the reaction,

1 mole of $\text{CaCO}_3 = 1$ mole EDTA

i.e. 100 g . $\text{CaCO}_3 = 1$ mole EDTA

Now, we have

1000 ml. 1 M EDTA 1000 ml = 100 gm. CaCO_3

1000ml 0.01 M EDTA = 1 gm. CaCO_3 ,

1 ml 0.01 M EDTA, = 1 mgm. CaCO_3

But 1 mg / lit of $\text{CaCO}_3 = 1$ ppm of CaCO_3 ,

i.e. 1 ml . 0.01 M EDTA = 1 ppm CaCO_3 ,

For a given sample of water, Y ml (Main titration reading) of M_2 molar EDTA is required.

Now 1 ml of 0.01M EDTA = 1 ppm of CaCO_3

\therefore 'Y' ml. M_2 EDTA = $Y \times M_2 \times 1 / 0.01$ M

250 ml dilute solution contains = $A \times 10$ ppm of CaCO_3 ,

Result Table:

1	10 ml. of 0.01 M ZnSO_4 , solution required	'X' ml. of EDTA standardization.
2	Exact molarity of EDTA solution	----- (M) .
3	25 ml of the diluted hard water required	' X ' ml : of EDTA (main reading).
4	Total hardness of the given sample of water	--- ---ppm.

Experiment No: 9

Aim: Determination of carbonate (CO_3^{2-}), bicarbonate (HCO_3^-) and chloride from irrigation water sample .

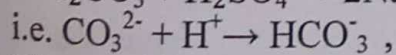
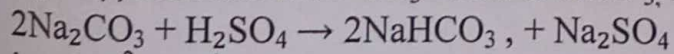
Theory:

If the pH of water is more than 8.2 then only carbonate & bicarbonate both species is present other wise only bicarbonate is present in water. Hi, In case of Carbonate and Bicarbonate concentration, u may follow the Alkalinity test. This will give u the exact presence of CO_3 and bicarbonate

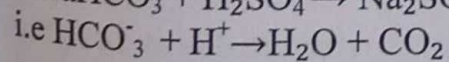
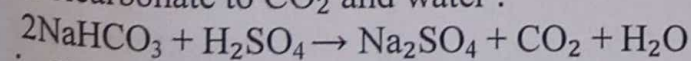
Part 1: Determination of (CO_3^{2-})carbonate, (HCO_3^-) bicarbonate form irrigation water sample.

Principle:

Presence of carbonate and bicarbonate ions constitutes the total alkalinity of water as temporary hardness. Thus pH of water increases to more than 7.5. This alkalinity causes corrosion; hence its determination is also important for industrial as well as agriculture purpose. The amount of carbonate and bicarbonate ions present in water sample is determined by the titration with standard sulphuric acid using phenolphthalein and methyl orange as indicators. The addition of phenolphthalein gives red colour in presence of CO_3^{2-} ions and on titration with H_2SO_4 , converts these CO_3^{2-} ions to HCO_3^- ions and decolourises the red colour .



Then this colourless solution changes to yellow on addition of methyl orange. This on titration with H_2SO_4 , changes to rosy red coloured solution due to conversion of bicarbonate to CO_2 and water .



Apparatus: Burette, pipette, conical flask, beaker.

Reagents:

- i) 0.02N H_2SO_4 ,
- ii) Phenolphthalein indicator.
- iii) Methyl orange indicator.

Procedure:

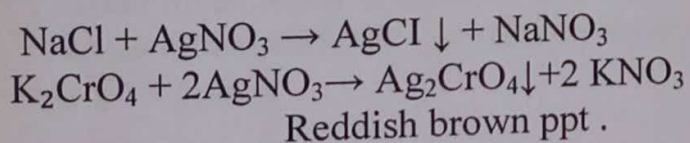
- (a) Pipette out 25 ml of the sample of irrigation water in a titration flask. Add 2-3 drops of phenolphthalein indicator. The solution acquires red colour.
- (b) Titrate it against standard H_2SO_4 , (0.02N) till red colour disappears.

- (c) Note the reading and call it as ' X ' ml. Find out the amount of carbonate.
- (d) To this colourless solution add 2-3 drops of methylorange indicator till yellow colour is obtained to the solution.
- (e) Continue the titration with 0.02N H₂SO₄. till colour changes from yellow to pink.
- (f) Note this reading and call it as ' Y ' ml. and determine the amount of bicarbonate.

Part II: Determination of chloride form irrigation water.

Principle:

This method involves titration of neutral chloride solution with neutral silver nitrate solution in presence of potassium chromate (K₂CrO₄) indicator. The end point of the titration is the point at which the colour of suspension changes from yellow (due to presence of CrO₄²⁻ ions) to reddish brown colour.



Apparatus: Burette, pipette, conical flask, beaker.

Chemicals:

- i) Standard AgNO₃ , solution (0.05N).
- ii) 5 % potassium chromate indicator solution.

Procedure:

- a. Pipette out 25 ml water sample into conical flask.
- b. Add 8-10 drops of potassium chromate indicator solution. Yellow coloured solution is obtained.
- c. Titrate this yellow coloured solution against std .AgNO₃ , solution added from burette with constant shaking of the flask till reddish brown colour is developed .
- d. Note this reading as ' Z ' ml. Repeat the above procedure to get a constant reading.

Calculation:(Part I)

1. Amount of CO₃²⁻ in water sample.
- If ' X ' is the acid required to convert CO₃²⁻ to HCO₃⁻ ,, only upto half stage of conversion , the volume of acid required for the complete conversion of CO₃²⁻ , to CO₂ and water to be 2X ml

As 1000 ml 1N $\text{H}_2\text{SO}_4 = \frac{1}{2}$ equivalent of CO_3^{2-} , (upto half reaction)

i.e. 2 (1000 ml 1N H_2SO_4) = 1 equivalent of $\text{CO}_3^{2-} = 30$ g of CO_3^{2-}

2'X' ml of 0.02N $\text{H}_2\text{SO}_4 = 30 \times 2X \times 0.02 / 2000$

= 'A' grams of CO_3^{2-}

25 ml of water sample contains = 'A' grams of CO_3^{2-}

\therefore 1000 ml of water sample contains = $A \times 1000 / 25$

= 'B' grams CO_3^{2-}

Thus Amount of CO_3^{2-} , present in 1 lit water = 'B' grams / liter

Amount of CO_3^{2-} , present in 1 lit water = $B \times 10^6$ ppm.

ii. Amount of HCO_3^- in water sample

As 1000 ml 1N $\text{H}_2\text{SO}_4 = 1$ equivalent of HCO_3^- ,

Also 1000 ml 1N $\text{H}_2\text{SO}_4 = 61$ grams of HCO_3^- ,

\therefore Y ml 0.02 $\text{H}_2\text{SO}_4 = Y \times 0.02 \times 61 / 1000 \times 1$

= A grams HCO_3^- ,

\therefore 25 ml water contains = 'A' grams of HCO_3^-

\therefore 1000 ml of water contains = $A \times 1000 / 25 =$ 'B' grams of HCO_3^- ,

Thus Amount of HCO_3^- , present in water = 'B' grams / liter.

= $B \times 10^6$ ppm. =

Calculations:(PartII)

As 1000 ml 1 N AgNO_3 , solution = 1 mole Cl ions

\therefore 1000 ml 1N AgNO_3 solution = 35.5 grams of Cl⁻

\therefore Z ml 0.05N AgNO_3 solution = $Z \times 0.05 \times 35.5 / 1000 \times 1$

= 'A' grams of Cl⁻ ions

25 ml water sample contains = 'A' gram of Cl⁻ ions

\therefore 1000 ml water sample contains = $A \times 1000 / 25$

= 'B' grams of Cl⁻ ions

Thus, Amount of chloride present in water = 'B' grams / liter

a. Amount of chloride in Meq / lit = 'B' grams / lit / 0.0355

=-----meq / lit

(1 Meq = 0.03555 grams)

b. Amount of chloride in ppm in 1 lit = $B \times 10^6 =$ ----- ppm

Results:(PartI)

a. Amount of CO_3^{2-} present in water =..... per / liter

b. Amount of HCO_3^- present in water = ---- per / liter

(PartII)

a. Amount of chloride in the water sample is-----per / liter

Therefore irrigation water sample is -----.

Rating Scale:

Amount of Chloride Recommendations
1. Less than 5 meq / lit =Excellent
2. 5 to 10 meq / lit =Good, can be used safely
3. 10 to 15 meq / lit = Doubtful
4. Greater than 15 meq / lit = Unsuitable

Experiment No: 10

Aim: Determination of TDS or dissolved oxygen (D.O.) of irrigation water by Winkler's Method.

Determination of Total Dissolved Solid by using Water Analyser Kit.

Principle:

The level of dissolved oxygen depends on the physical and chemical activities of water body. The analysis of D.O. plays a key role in water treatment, process control and water pollution control activities.

In this method, Mn (II) and an alkali is added to the water sample. Oxygen in water oxidizes Mn (OH)₂ to MnO₂. The Mn (IV) produced in solution is determined iodometrically.

Apparatus: Burette, pipette, conical flask, stoppered bottle.

Reagents:

Manganous sulphate solution, Alkaline iodide sodium azide solution, 0.025N Na₂S₂O₃, 0.025N K₂Cr₂O₇, starch indicator, conc. H₂SO₄.

Procedure:

I. Standardization of 0.025N Na₂S₂O₃, Solution:

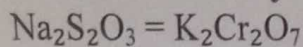
- Pipette out 10 ml K₂Cr₂O₇ solution in a conical flask. Add to it 10 ml KI and 2 ml conc. HCl. Place the bottle in dark for 5 mins.
- Add 1-2 drops of starch indicator, blue solution is obtained.
- Titrate this against 0.025N Na₂S₂O₃ solution. Note the constant burette reading and call it as ' X ' ml and calculate the exact normality of Na₂S₂O₃ solution. End point is blue to colourless.

II. Determination of dissolved oxygen:

- Pipette out 100 ml water sample in a 250 ml stoppered bottle.
- Add 2 ml of MnSO₄ solution and alkaline - iodide - sodium - azide solution. Brown precipitate is obtained. Shake well and allow the precipitate to settle.
- Add 2 ml conc. H₂SO₄ to dissolve the precipitate.
- Add few drops of starch indicator. The solution becomes blue. Titrate with 0.025N Na₂SO₃. Solution when blue colour of the solution changes to colourless at the end point.
- Note the reading as ' Y ' ml.

Calculations:

1. Exact normality of $\text{Na}_2\text{S}_2\text{O}_3$ solution.



$$N_1 V_1 = N_2 V_2$$

$$N_1 \times 10 = 0.025 \times 10$$

$$N_1 = 0.025 \times 10 / 10 = \text{-----}N.$$

\therefore Exact normality of $\text{Na}_2\text{S}_2\text{O}_3$, is=----- N.

II. Dissolved oxygen in water sample:

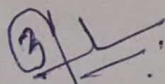
Dissolved oxygen in 100 ml water sample (inppm) = ----Volume of $\text{Na}_2\text{S}_2\text{O}_3$

Result:

a. Exact normality of $\text{Na}_2\text{S}_2\text{O}_3$, solution= -----N.

b. Dissolved oxygen in water sample: = -----ppm.

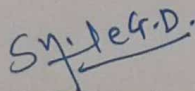
Conclusion: The given water sample is polluted / non - polluted. Rating scale for dissolved oxygen = 4-6 ppm in ordinary water.



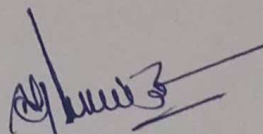
Dr.B.K.Uphade.
Associate Professor,
(PVP College, Pravaranagar.)



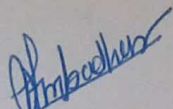
Mrs.Chhaya Sharadchandra Karle.
Assist.Professor,
(ACS College, Satral.)



Dr.G.D.Shirole.
Associate Professor,
(ASC College, Rahata.)



Mr. Adinath Tambe.
Assist.Professor,
(ASC College, Rahata.)
HEAD
Dept. of Chemistry
Art's, Science & Commerce College,
Rahata, Dist. Ahmednagar



Miss. S. B. Ambadkar.
Co-ordinator



Prof. S.Y. Lahare
Principal
Art's, Science & Commerce College,
Rahata, Dist. Ahmednagar

Shirdi Sai Rural Institute's
ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA.

Department of Chemistry

“Soil and Water Analysis Course Out comes”

Soil Analysis Course Out Comes.

- 1) Gained in depth knowledge on the pattern of soil cover.
- 2) Able to characterize for effective utilization of land for agricultural purposes.
- 3) Import Knowledge about the techniques of soil Fertility evaluation.
- 4) Clear Understanding of soil health & soil Quality indices.

Water Analysis Course Out Comes.

- 1) Understand meaning of important parameter for measuring water Quality
- 2) Water Quality Criteria & Standards and their relation to crop.
- 3) Plan water quality surveillance for a given aquatic environment and to understand water a test result means in terms of the health of the ecosystem.

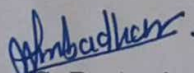
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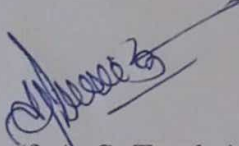
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Department of Chemistry

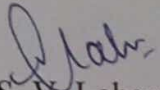
STUDENT NOTICE

All the students of Science faculty of our college are informed that, Department of Chemistry will be conducted Certificate Course on "Soil and Water Analysis" from 01st April 2022 to 30th June 2022. The course gives information about the fertility status of soil and suitability as plant growing medium, through laboratory analytical research method. All the students of science faculty are must to attend the course. The Time table will be displayed on the notice board.

Registration Link: <https://forms.gle/VyVWUxsuJeR8nBCJA>

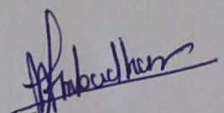

(Miss. S. B. Ambadkar)
Co-ordinator

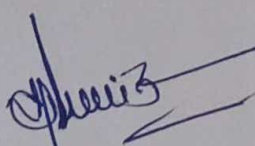

(Prof. A. S. Tambe)
Head ~~HEAD~~
Dept. of Chemistry
Arts, Science & Commerce
Rahata, Dist. Ahmednagar

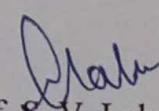

(Prof. S. V. Lahare)
Principal
Arts, Science & Commerce College,
Rahata, Dist. Ahmednagar

Shirdi Sai Rural Institute's
ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA.
Department of Chemistry
Soil and Water Analysis Certificate Course
(01st April 2022 to 30th June 2022)
Time Table

Time	Class	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
11:35am - 12:15pm	T.Y.B.Sc	SBA	SBA	SBA	SBA	SBA	SBA


(Miss. S. B. Ambadkar)
Co-ordinator


(Mr. A. S. Tambe)
HEAD
Dept. Chemistry
Arts, Science & Commerce College,
Rahata, Dist. Ahmednagar


(Prof. S. V. Lahare)
Principal
Arts, Science & Commerce College,
Rahata, Dist. Ahmednagar

Shirdi Sai Rural Institute's
ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA.

Department of Chemistry
Soil and Water Analysis Certificate Course
(01st April 2022 to 30th June 2022)

Attendance (April -2022)

Sr. No	Name of the Students	01/04/2022	04/04/2022	05/04/2022	06/4/2022	07-4/2022	08/4/2022	09/4/2022	11/4/2022	12/4/2022	15/4/2022	16/4/2022	18/4/2022	19/4/2022	20/4/2022	21/4/2022	22/4/2022	23/4/2022	25/4/2022	26/4/2022	27/4/2022	28/4/2022	29/4/2022	30/4/2022
1	Agre Pranav Ramesh	ABR	ABR	ABR	ABR	ABR	ABR	ABR	ABR	ABR	ABR	ABR	ABR	ABR	ABR	ABR	ABR	ABR	ABR	ABR	ABR	ABR	ABR	ABR
2	Bawake Gayatri Madhukar	ABM	ABM	ABM	ABM	ABM	ABM	ABM	ABM	ABM	ABM	ABM	ABM	ABM	ABM	ABM	ABM	ABM	ABM	ABM	ABM	ABM	ABM	ABM
3	Bo:de Amruta Subhash	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
4	Chitte Swapnil Sanjay	ChS	ChS	ChS	ChS	ChS	ChS	ChS	ChS	ChS	ChS	ChS	ChS	ChS	ChS	ChS	ChS	ChS	ChS	ChS	ChS	ChS	ChS	ChS
5	Cholke Sandesh Dnyandeve	ChSD	ChSD	ChSD	ChSD	ChSD	ChSD	ChSD	ChSD	ChSD	ChSD	ChSD	ChSD	ChSD	ChSD	ChSD	ChSD	ChSD	ChSD	ChSD	ChSD	ChSD	ChSD	ChSD

Bawake

15	Jejurkar Atul Suresh	Jejurkar
16	Jejurkar Pratiksha Sunil	Jejurkar
17	Kasar Abhishek BhauSaheb	Jejurkar
18	Kudale Shraddha Bhimraj	Jejurkar
19	Lute Dnyanesh wariManoj	Jejurkar
20	Malve Leena Raju	Jejurkar
21	More Ashwini Satish	Jejurkar
22	More Mahendra Shivaji	Jejurkar
23	More Renuka Rambhau	Jejurkar

Ambarkar

104102

36	Bombe Mayur Kailas	Bombe	Bombe	Bombe	Bombe	Bombe	Bombe	Bombe	Bombe	Bombe	Bombe	Bombe	Bombe	Bombe	Bombe	Bombe	Bombe	Bombe	Bombe	Bombe	Bombe	Bombe
37	Dhatrak Hrishikesh Ashok	HD	HD	HD	HD	HD	HD	HD	HD	HD	HD	HD	HD	HD	HD	HD	HD	HD	HD	HD	HD	HD
38	Dokhe Roshan Suresh	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
39	Dukare Ajit Sanjay	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
40	Gadekar Sanket Dnyaneshwar	Sanket	Sanket	Sanket	Sanket	Sanket	Sanket	Sanket	Sanket	Sanket	Sanket	Sanket	Sanket	Sanket	Sanket	Sanket	Sanket	Sanket	Sanket	Sanket	Sanket	Sanket
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42	Gaikwad Kiran Vijay	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
43	Ghorpade Hritik Dattatray	Hritik	Hritik	Hritik	Hritik	Hritik	Hritik	Hritik	Hritik	Hritik	Hritik	Hritik	Hritik	Hritik	Hritik	Hritik	Hritik	Hritik	Hritik	Hritik	Hritik	Hritik
44	Ghorpade Kiran Balasaheb	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran
45	Jejurkar Vandana Babasahb	Vandana	Vandana	Vandana	Vandana	Vandana	Vandana	Vandana	Vandana	Vandana	Vandana	Vandana	Vandana	Vandana	Vandana	Vandana	Vandana	Vandana	Vandana	Vandana	Vandana	Vandana
46	Jondhale Dattatray Jagannath	Jondhale	Jondhale	Jondhale	Jondhale	Jondhale	Jondhale	Jondhale	Jondhale	Jondhale	Jondhale	Jondhale	Jondhale	Jondhale	Jondhale	Jondhale	Jondhale	Jondhale	Jondhale	Jondhale	Jondhale	Jondhale
47	Khambekar Roshan Sunil	Roshan	Roshan	Roshan	Roshan	Roshan	Roshan	Roshan	Roshan	Roshan	Roshan	Roshan	Roshan	Roshan	Roshan	Roshan	Roshan	Roshan	Roshan	Roshan	Roshan	Roshan
48	Kohakade Tushar Babasaheb	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar
49	Lahare Sudarsha Gorakshanath	Sudarsha	Sudarsha	Sudarsha	Sudarsha	Sudarsha	Sudarsha	Sudarsha	Sudarsha	Sudarsha	Sudarsha	Sudarsha	Sudarsha	Sudarsha	Sudarsha	Sudarsha	Sudarsha	Sudarsha	Sudarsha	Sudarsha	Sudarsha	Sudarsha
50	Londhe Pooja Popat	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja
51	Modhe Pallavi Balasaheb	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi
52	Raut Anita Gajanan	Anita	Anita	Anita	Anita	Anita	Anita	Anita	Anita	Anita	Anita	Anita	Anita	Anita	Anita	Anita	Anita	Anita	Anita	Anita	Anita	Anita

Bombachur

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Dept. of Chemistry
Art's, Science & Commerce College,
Rahata, Dist. Ajmernagar

53	Tambe Vaishnavi Adinath	Ek. Vaishnavi	
54	Tribhan Arti Ramdas	Ek. Tribhan	
55	Turakane Shubham Balasaheb	Ek. Shubham	
	Water Analysis		
56	Jadhav Priti Sharad	Ek. Priti	
57	Jejurkar Akash Prakash	Ek. Akash	
58	Jejurkar Arti Vilas	Ek. Arti	
59	Jejurkar Atul Suresh	Ek. Atul	
60	Jejurkar Pratiksha Sunil	Ek. Pratiksha	
61	Kasar Abhishek Bhusaheb	Ek. Abhishek	
62	Kudale Shraddha Bhimraj	Ek. Shraddha	
63	Lute Dnyaneshwari Manoj	Ek. Dnyaneshwari	
64	Malve Leena Raju	Ek. Leena	
65	More Ashwini Satish	Ek. Ashwini	
66	More Mahendra Shivaji	Ek. Mahendra	
67	More Renuka Rambhau	Ek. Renuka	
68	Nale Rahul Bhusaheb	Ek. Rahul	

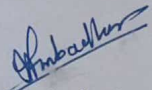
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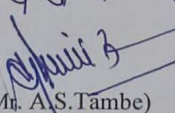
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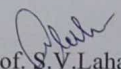
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72	Padawal Chandrakant Shivaji	Padawal	Padawal	Padawal	Padawal	Padawal	Padawal	Padawal	Padawal	Padawal	Padawal	Padawal	Padawal	Padawal	Padawal	Padawal	Padawal	Padawal	Padawal	Padawal
73	Pathan Arbaj Najir	Pathan	Pathan	Pathan	Pathan	Pathan	Pathan	Pathan	Pathan	Pathan	Pathan	Pathan	Pathan	Pathan	Pathan	Pathan	Pathan	Pathan	Pathan	Pathan
74	Pokale Pratik Shantaram	Pokale	Pokale	Pokale	Pokale	Pokale	Pokale	Pokale	Pokale	Pokale	Pokale	Pokale	Pokale	Pokale	Pokale	Pokale	Pokale	Pokale	Pokale	Pokale
75	Ranmale Shrutika Nandkishor	Ranmale	Ranmale	Ranmale	Ranmale	Ranmale	Ranmale	Ranmale	Ranmale	Ranmale	Ranmale	Ranmale	Ranmale	Ranmale	Ranmale	Ranmale	Ranmale	Ranmale	Ranmale	Ranmale
76	Raut Manisha Balasaheb	Raut	Raut	Raut	Raut	Raut	Raut	Raut	Raut	Raut	Raut	Raut	Raut	Raut	Raut	Raut	Raut	Raut	Raut	Raut
77	Tathe Manjusha Babasaheb	Tathe	Tathe	Tathe	Tathe	Tathe	Tathe	Tathe	Tathe	Tathe	Tathe	Tathe	Tathe	Tathe	Tathe	Tathe	Tathe	Tathe	Tathe	Tathe
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80	Bombe Mayur Kailas	Bombe	Bombe	Bombe	Bombe	Bombe	Bombe	Bombe	Bombe	Bombe	Bombe	Bombe	Bombe	Bombe	Bombe	Bombe	Bombe	Bombe	Bombe	Bombe
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85	Gadhve Prashant Sanjay	Gadhve	Gadhve	Gadhve	Gadhve	Gadhve	Gadhve	Gadhve	Gadhve	Gadhve	Gadhve	Gadhve	Gadhve	Gadhve	Gadhve	Gadhve	Gadhve	Gadhve	Gadhve	Gadhve

Gambachur

103	Chitte Swapnil Sanjay																		
104	Cholke Sandesh Dnyandev																		
105	Dange Gayatri Dilip																		
106	Dapatkar Kirti Anant																		
107	Gadhawe Aditya Sanjay																		
108	Gaikwad Priyanka Dattatraya																		
109	Game Priti Shivaji																		
110	HemkeVrushali Rajendra																		


 (Miss.S.B.Ambadkar)
 Co-ordinator


 (Mr. A.S. Tambe)
 HEAD
 Dept. of Chemistry
 Head of Chemistry Department
 Art, Science & Commerce College,
 Rahata, Dist. Ahmednagar


 (Prof. S.V. Lahare)
 PRINCIPAL
 Art, Science & Commerce
 College, Rahata

Shirdi Sai Rural Institute's
ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA.
Department of Chemistry
Soil and Water Analysis Certificate Course
(01st April 2022 to 30th June 2022)
Attendance (May -2022)

Sr. No	Name of the Students	01/06/2022	02/06/2022	03/06/2022	06/06/2022	07/06/2022	08/06/2022	09/06/2022	10/06/2022	11/06/2022	13/06/2022	14/06/2022	15/06/2022	16/06/2022	17/06/2022	18/06/2022	20/06/2022	21/06/2022	22/06/2022	23/06/2022	24/06/2022	25/06/2022	27/06/2022	28/06/2022	29/06/2022	30/06/2022	
1	Agre Pranav Ramesh	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
2	Bawake Gayatri Madhukar	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
3	Borde Amruta Subhash	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
4	Chitte Swapnil Sanjay	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present

Prakash

5	Cholke Sandesh Dnyandev	Cholke.S.D
6	Dange Gayatri Dilip	Dy.
7	Dapatkar Kirti Anant	Dy.
8	Gadhve Aditya Sanjay	Aditya
9	Gaikwad Priyanka Dattatraya	Priyanka
10	Game Priti Shivaji	Game
11	Hemke Vrushali Rajendra	Hemke
12	Jadhav Priti Sharad	Jadhav
13	Jejurkar Akash Prakash	Akash

Prakash

14	Jejurkar Arti Vilas	Jejurkar	Arti
15	Jejurkar Atul Suresh	Jejurkar	Atul
16	Jejurkar Pratiksha Sunil	Jejurkar	Pratiksha
17	Kasar Abhishek Bhauseheb	Kasar	Abhishek
18	Kudale Shraddha Bhimraj	Kudale	Shraddha
19	Lute Dnyanesh- wari Manoj	Lute	Dnyanesh- wari Manoj
20	Malve Leena Raju	Malve	Leena
21	More Ashwini Satish	More	Ashwini
22	More Mahendra Shivaji	More	Mahendra

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23	More Renuka Rambhau	Bhau
24	Nale Rahul Bhasaheb	stahu
25	Nale Shital Babasaheb	shital
26	Nirmal Adesh Ashok	nirmal
27	Nirmal Sumit Dipak	nirmal
28	Padawal Chandrakant Shivaji	Pad
29	Pathan Arbaj Najir	Arbaj
30	Pokale Pratik Shantaram	Pratik
31	Ranmale Shrutika Nandkishor	Shrutika

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32	Raut Manisha Balasaheb	MPaut
33	Tathe Manjusha Babasaheb	Tathe M.B.
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34	Tribhan Ganesh Nanasaheb	Tribhan
		Tribhan
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		Tribhan
		Tribhan
35	Waghe Rohit Uttam	Kolvi
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		Kolvi

Sambhar

53	Tambe Vaishnavi Adinath	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	
54	Tribhan Arti Ramdas	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti
55	Turakane Shubham Balasaheb	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham
	Water Analysis																												
56	Jadhav Priti Sharad	Priti	Priti	Priti	Priti	Priti	Priti	Priti	Priti	Priti	Priti	Priti	Priti	Priti	Priti	Priti	Priti	Priti	Priti	Priti	Priti	Priti	Priti	Priti	Priti	Priti	Priti	Priti	Priti
57	Jejurkar Akash Prakash	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash
58	Jejurkar Arti Vilas	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti
59	Jejurkar Atul Suresh	Atul	Atul	Atul	Atul	Atul	Atul	Atul	Atul	Atul	Atul	Atul	Atul	Atul	Atul	Atul	Atul	Atul	Atul	Atul	Atul	Atul	Atul	Atul	Atul	Atul	Atul	Atul	Atul
60	Jejurkar Pratiksha Sunil	Pratiksha	Pratiksha	Pratiksha	Pratiksha	Pratiksha	Pratiksha	Pratiksha	Pratiksha	Pratiksha	Pratiksha	Pratiksha	Pratiksha	Pratiksha	Pratiksha	Pratiksha	Pratiksha	Pratiksha	Pratiksha	Pratiksha	Pratiksha	Pratiksha	Pratiksha	Pratiksha	Pratiksha	Pratiksha	Pratiksha	Pratiksha	Pratiksha
61	Kasar Abhishek Bhauaheb	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek
62	Kudale Shraddha Bhimraj	Shraddha	Shraddha	Shraddha	Shraddha	Shraddha	Shraddha	Shraddha	Shraddha	Shraddha	Shraddha	Shraddha	Shraddha	Shraddha	Shraddha	Shraddha	Shraddha	Shraddha	Shraddha	Shraddha	Shraddha	Shraddha	Shraddha	Shraddha	Shraddha	Shraddha	Shraddha	Shraddha	Shraddha
63	Lute Dnyaneshwari Manoj	Lute	Lute	Lute	Lute	Lute	Lute	Lute	Lute	Lute	Lute	Lute	Lute	Lute	Lute	Lute	Lute	Lute	Lute	Lute	Lute	Lute	Lute	Lute	Lute	Lute	Lute	Lute	Lute
64	Malve Leena Raju	Leena	Leena	Leena	Leena	Leena	Leena	Leena	Leena	Leena	Leena	Leena	Leena	Leena	Leena	Leena	Leena	Leena	Leena	Leena	Leena	Leena	Leena	Leena	Leena	Leena	Leena	Leena	Leena
65	More Ashwini Satish	Ashwini	Ashwini	Ashwini	Ashwini	Ashwini	Ashwini	Ashwini	Ashwini	Ashwini	Ashwini	Ashwini	Ashwini	Ashwini	Ashwini	Ashwini	Ashwini	Ashwini	Ashwini	Ashwini	Ashwini	Ashwini	Ashwini	Ashwini	Ashwini	Ashwini	Ashwini	Ashwini	Ashwini
66	More Mahendra Shivaji	Mahendra	Mahendra	Mahendra	Mahendra	Mahendra	Mahendra	Mahendra	Mahendra	Mahendra	Mahendra	Mahendra	Mahendra	Mahendra	Mahendra	Mahendra	Mahendra	Mahendra	Mahendra	Mahendra	Mahendra	Mahendra	Mahendra	Mahendra	Mahendra	Mahendra	Mahendra	Mahendra	Mahendra
67	More Renuka Rambhau	Renuka	Renuka	Renuka	Renuka	Renuka	Renuka	Renuka	Renuka	Renuka	Renuka	Renuka	Renuka	Renuka	Renuka	Renuka	Renuka	Renuka	Renuka	Renuka	Renuka	Renuka	Renuka	Renuka	Renuka	Renuka	Renuka	Renuka	Renuka
68	Nale Rahul Bhauaheb	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul

Ambarish

HED
 Dept. of Chemistry
 Art's Science & Commerce College.

86	Gaikwad Kiran Vijay	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran
87	Ghorpade Hritik Dattatray	Hritik	Hritik	Hritik	Hritik	Hritik	Hritik	Hritik	Hritik	Hritik	Hritik	Hritik	Hritik	Hritik	Hritik	Hritik	Hritik	Hritik	Hritik	Hritik
88	Ghorpade Kiran Balasaheb	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran
89	Jejurkar Vandana Babasaheb	Vandana	Vandana	Vandana	Vandana	Vandana	Vandana	Vandana	Vandana	Vandana	Vandana	Vandana	Vandana	Vandana	Vandana	Vandana	Vandana	Vandana	Vandana	Vandana
90	Jondhale Dattatray Jagannath	Dattatray	Dattatray	Dattatray	Dattatray	Dattatray	Dattatray	Dattatray	Dattatray	Dattatray	Dattatray	Dattatray	Dattatray	Dattatray	Dattatray	Dattatray	Dattatray	Dattatray	Dattatray	Dattatray
91	Khambekar Roshan Sunil	Roshan	Roshan	Roshan	Roshan	Roshan	Roshan	Roshan	Roshan	Roshan	Roshan	Roshan	Roshan	Roshan	Roshan	Roshan	Roshan	Roshan	Roshan	Roshan
92	Kohakade Tushar Babasaheb	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar
93	Lahare Sudarsha Gorakshanath	Sudarsha	Sudarsha	Sudarsha	Sudarsha	Sudarsha	Sudarsha	Sudarsha	Sudarsha	Sudarsha	Sudarsha	Sudarsha	Sudarsha	Sudarsha	Sudarsha	Sudarsha	Sudarsha	Sudarsha	Sudarsha	Sudarsha
94	Londhe Pooja Popat	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja
95	Modhe Pallavi Balasaheb	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi
96	Raut Anita Gajanan	Anita	Anita	Anita	Anita	Anita	Anita	Anita	Anita	Anita	Anita	Anita	Anita	Anita	Anita	Anita	Anita	Anita	Anita	Anita
97	Tambe Vaishnavi Adinath	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi
98	Tribhan Arti Ramdas	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti	Arti
99	Turakane Shubham Balasaheb	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham
100	Agre Pranav Ramesh	Pranav	Pranav	Pranav	Pranav	Pranav	Pranav	Pranav	Pranav	Pranav	Pranav	Pranav	Pranav	Pranav	Pranav	Pranav	Pranav	Pranav	Pranav	Pranav
101	Bawake Gayatri Madhukar	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri
102	Borde Amruta Subhash	Amruta	Amruta	Amruta	Amruta	Amruta	Amruta	Amruta	Amruta	Amruta	Amruta	Amruta	Amruta	Amruta	Amruta	Amruta	Amruta	Amruta	Amruta	Amruta

Amruta

HEAD
Dept. of Chemistry
Art's, Science & Commerce College,

103	Chitte Swapnil Sanjay	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
104	Cholke Sandesh Dnyandev	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	
105	Dange Gayatri Dilip	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	
106	Dapatkar Kirti Anant	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	
107	Gadhave Aditya Sanjay	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	
108	Gaikwad Priyanka Dattatraya	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	
109	Game Priti Shivaji	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	
110	Hemke Vrushali Rajendra	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	

Miss. S.B. Ambadkar

(Miss. S.B. Ambadkar)
Co-ordinator

Mr. S.V. Lahare

HEAD
(Mr. S.V. Lahare)
Arts, Science & Commerce College
Head of Chemistry Department

Prof. S.V. Lahare

(Prof. S.V. Lahare)
PRINCIPAL
Arts, Science & Commerce
College, Rahata

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Department of Chemistry
Soil and Water Analysis Certificate Course
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Attendance (June -2022)

Sr. No	Name of the Students	2/5/2022	4/5/2022	5/5/2022	6/5/2022	7/5/2022	9/5/2022	10/5/2022	11/5/2022	12/5/2022	13/5/2022	14/5/2022	17/5/2022	18/5/2022	19/5/2022	20/5/2022	21/5/2022	23/5/2022	24/5/2022	25/5/2022	26/5/2022	27/5/2022	28/5/2022	30/5/2022	31/5/2022
1	Agre Pranav Ramesh	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT
2	Bawake Gayatri Madhukar	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT
3	Borde Amruta Subhash	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT
4	Chitte Swapnil Sanjay	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT

Ambedkar

5	Cholke Sandesh Dnyandeav	Cholke.S.D.
6	Dange Gayatri Dilip	Dy.
7	Dapatkar Kirti Anant	Dapatkar
8	Gadhave Aditya Sanjay	Gadhave
9	Gaikwad Priyanka Dattatraya	Gaikwad
10	Game Priti Shivaji	Game
11	Hemke Vrushali Rajendra	Hemke
12	Jadhav Priti Sharad	Jadhav
13	Jejurkar Akash	Jejurkar

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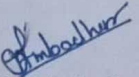
	Prakash		
14	Jejurkar Arti Vilas	Prakash	Prakash
15	Jejurkar Atul Suresh	Prakash	Prakash
16	Jejurkar Pratiksha Sunil	Prakash	Prakash
17	Kasar Abhishek Bhausahab	Prakash	Prakash
18	Kudale Shraddha Bhimraj	Prakash	Prakash
19	Lute Dnyanesh- wari Manoj	Prakash	Prakash
20	Malve Leena Raju	Prakash	Prakash
21	More Ashwini Satish	Prakash	Prakash

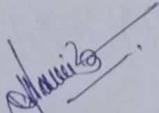
Prakash

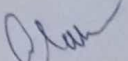
22	More Mahendra Shivaji	Shital Mull.	Shital Mull.	Shital Mull.	Shital Mull.	Shital Mull.	Shital Mull.	Shital Mull.	Shital Mull.	Shital Mull.	Shital Mull.	Shital Mull.	Shital Mull.	Shital Mull.	Shital Mull.	Shital Mull.	Shital Mull.
23	More Renuka Rambhau	Renuka	Renuka	Renuka	Renuka	Renuka	Renuka	Renuka	Renuka	Renuka	Renuka	Renuka	Renuka	Renuka	Renuka	Renuka	Renuka
24	Nale Rahul Bhauasaheb	Shital	Shital	Shital	Shital	Shital	Shital	Shital	Shital	Shital	Shital	Shital	Shital	Shital	Shital	Shital	Shital
25	Nale Shital Babasaheb	Shital	Shital	Shital	Shital	Shital	Shital	Shital	Shital	Shital	Shital	Shital	Shital	Shital	Shital	Shital	Shital
26	Nirmal Adesh Ashok	Nirmal	Nirmal	Nirmal	Nirmal	Nirmal	Nirmal	Nirmal	Nirmal	Nirmal	Nirmal	Nirmal	Nirmal	Nirmal	Nirmal	Nirmal	Nirmal
27	Nirmal Sumit Dipak	Sumit	Sumit	Sumit	Sumit	Sumit	Sumit	Sumit	Sumit	Sumit	Sumit	Sumit	Sumit	Sumit	Sumit	Sumit	Sumit
28	Padawal Chandraka- nt Shivaji	Pad.	Pad.	Pad.	Pad.	Pad.	Pad.	Pad.	Pad.	Pad.	Pad.	Pad.	Pad.	Pad.	Pad.	Pad.	Pad.
29	Pathan Arbaj Najir	Arbaj	Arbaj	Arbaj	Arbaj	Arbaj	Arbaj	Arbaj	Arbaj	Arbaj	Arbaj	Arbaj	Arbaj	Arbaj	Arbaj	Arbaj	Arbaj
30	Pokale Pratik Shantaram	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik

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31	Ranmale Shrutika Nandkishor	Raut Shrutika	Raut Shrutika	Raut Shrutika	Raut Shrutika	Raut Shrutika	Raut Shrutika	Raut Shrutika	Raut Shrutika	Raut Shrutika	Raut Shrutika	Raut Shrutika	Raut Shrutika	Raut Shrutika	Raut Shrutika	Raut Shrutika	Raut Shrutika	Raut Shrutika
32	Raut Manisha Balasaheb	Raut Manisha	Raut Manisha	Raut Manisha	Raut Manisha	Raut Manisha	Raut Manisha	Raut Manisha	Raut Manisha	Raut Manisha	Raut Manisha	Raut Manisha	Raut Manisha	Raut Manisha	Raut Manisha	Raut Manisha	Raut Manisha	Raut Manisha
33	Tathe Manjusha Babasaheb	Tathe M.B. Manjusha	Tathe M.B. Manjusha	Tathe M.B. Manjusha	Tathe M.B. Manjusha	Tathe M.B. Manjusha	Tathe M.B. Manjusha	Tathe M.B. Manjusha	Tathe M.B. Manjusha	Tathe M.B. Manjusha	Tathe M.B. Manjusha	Tathe M.B. Manjusha	Tathe M.B. Manjusha	Tathe M.B. Manjusha	Tathe M.B. Manjusha	Tathe M.B. Manjusha	Tathe M.B. Manjusha	Tathe M.B. Manjusha
34	Tribhan Ganesh Nanasaheb	Tribhan Ganesh	Tribhan Ganesh	Tribhan Ganesh	Tribhan Ganesh	Tribhan Ganesh	Tribhan Ganesh	Tribhan Ganesh	Tribhan Ganesh	Tribhan Ganesh	Tribhan Ganesh	Tribhan Ganesh	Tribhan Ganesh	Tribhan Ganesh	Tribhan Ganesh	Tribhan Ganesh	Tribhan Ganesh	Tribhan Ganesh
35	Waghe Rohit Uttam	Rohit Rohit	Rohit Rohit	Rohit Rohit	Rohit Rohit	Rohit Rohit	Rohit Rohit	Rohit Rohit	Rohit Rohit	Rohit Rohit	Rohit Rohit	Rohit Rohit	Rohit Rohit	Rohit Rohit	Rohit Rohit	Rohit Rohit	Rohit Rohit	Rohit Rohit


(Miss.S.B.Ambadkar)
Co-ordinator


(Mr.A.S.Tambe)
Head HEAD
Dept. of Chemistry
Arts, Science & Commerce College,
Rahata, Dist. Ahmednagar


(Prof. S.V.Lahare)
Principal
Arts, Science & Commerce College,
Rahata, Dist. Ahmednagar

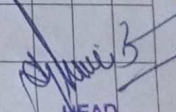
6	Bombe Mayur Kailas	Bombe	Bombe	Bombe	Bombe	Bombe	Bombe	Bombe	Bombe	Bombe	Bombe	Bombe	Bombe	Bombe	Bombe	Bombe	Bombe	Bombe	Bombe	Bombe
37	Dhatrak Hrishikesh Ashok	HD	HD	HD	HD	HD	HD	HD	HD	HD	HD	HD	HD	HD	HD	HD	HD	HD	HD	HD
38	Dokhe Roshan Suresh	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
39	Dukare Ajit Sanjay	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
40	Gadekar Sanket Dnyaneshwar	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
41	Gadhawe Prashant Sanjay	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
42	Gaikwad Kiran Vijay	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
43	Ghorpade Hritik Dattatray	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
44	Ghorpade Kiran Balasaheb	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
45	Jejurkar Vandana Babasahb	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J
46	Jondhale Dattatray Jagannath	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J
47	Khambekar Roshan Sunil	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
48	Kohakade Tushar Babasaheb	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
49	Lahare Sudarsha Gorakshanath	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L
50	Londhe Pooja Popat	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L
51	Modhe Pallavi Balasaheb	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
52	Raut Anita Gajanan	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R

Bombachkar

HEAD

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Rahata, Dist. Ahmednagar

53	Tambe Vaishnavi Adinath	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>
54	Tribhan Arti Ramdas	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>
55	Turakane Shubham Balasaheb	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>
Water Analysis																						
56	Jadhav Priti Sharad	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>
57	Jejurkar Akash Prakash	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>
58	Jejurkar Arti Vilas	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>
59	Jejurkar Atul Suresh	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>
60	Jejurkar Pratiksha Sunil	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>
61	Kasar Abhishek Bhauasaheb	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>
62	Kudale Shraddha Bhimraj	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>
63	Lute Dnyaneshwari Manoj	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>
64	Malve Leena Raju	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>
65	More Ashwini Satish	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>
66	More Mahendra Shivaji	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>
67	More Renuka Rambhau	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>
68	Nale Rahul Bhauasaheb	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>


HEAD
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 Science & Commerce College
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103	Chitte Swapnil Sanjay	Sw	Sw	Sw	Sw	Sw	Sw	Sw	Sw	Sw	Sw	Sw	Sw	Sw	Sw	Sw	Sw	Sw	Sw	Sw
104	Cholke Sandesh Dnyande	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
105	Dange Gayatri Dilip	GD	GD	GD	GD	GD	GD	GD	GD	GD	GD	GD	GD	GD	GD	GD	GD	GD	GD	GD
106	Dapatkar Kirti Anant	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
107	Gadhve Aditya Sanjay	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS
108	Gaikwad Priyanka Dattatraya	PD	PD	PD	PD	PD	PD	PD	PD	PD	PD	PD	PD	PD	PD	PD	PD	PD	PD	PD
109	Game Priti Shivaji	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS
110	HemkeVrushali Rajendra	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H

Ambadkar

(Miss. S.B. Ambadkar)
Co-ordinator

Tambe

(Mr. A. S. Tambe)
Head of Chemistry Department
HEAD
Dept. of Chemistry
Art's, Science & Commerce College,
Rahata, Dist. Ahmednagar

Lahare

(Prof. S.V. Lahare)
Principal
PRINCIPAL
Art's, Science & Commerce
College, Rahata

Agre Pranav

Shirdi Sai Rural Institute's

ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA

DEPARTMENT OF CHEMISTRY

SOIL AND WATER ANALYSIS REPORT

(01st April 2022 to 30th June 2022)

Name of the Student: Agre Pranav Ramesh.

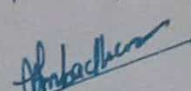
Name of the Farmer: Agre Ramesh Murlidhar Survey No.: 332/2

Village: Ekrukhe Tel: Rahata Dist.: Ahmednagar

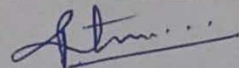
Soil Testing Parameter	Standard	Observed	Rating
pH of Soil	6.5 - 7.5	6.24	Normal
EC of Soil	0 - 1 dms	1.02318	Good seed emergence
CaCO ₃ % of Soil	0.5 %	4.9 %	medium calcareous
Gypsum Requirement Kg/ha	0.160	24,899.84	-
Organic Carbon	-	16.1637	-

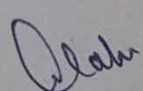
Water Testing Parameter	Standard	Observed	Rating
pH of Water	6.5-8.4	7.48	Normal
EC of Water	0 - 3 dms	14.9 Ms	Good seed emergence
Hardness of Water	< 1	2030 ppm	More hard water
CO ₃ ²⁻ , HCO ₃ ⁻ , chloride in water	< 5 meq/lit	1.42 me/lit	Excellent.
TDS in Water	-	8.90 ppt	-

Date: 30 June 2022


Miss. S.B. Ambadkar
Co-ordinator


Mr. A.S. Tambe
HEAD
HEAD Chemistry
Arts, Science & Commerce College,
Rahata, Dist. Ahmednagar


Sign of the Student:


Prof. S.V. Lahare
Principal
Arts, Science & Commerce College,
Rahata, Dist. Ahmednagar

Shirdi Sai Rural Institute's'

ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA

DEPARTMENT OF CHEMISTRY

SOIL AND WATER ANALYSIS REPORT

(01st April 2022 to 30th June 2022)

Name of the Student: Bawake Gayatri Madhukar

Name of the Farmer: natha Madhav Kalhepure Survey No.: 221

Village: Panegaon Tel: Nevasa Dist.: A. Nagar.

Soil Testing Parameter	Standard	Observed	Rating
pH of Soil	6.5 - 7.5	6.24	Normal
EC of Soil	0 - 1 dms	1.02318	Good seed
CaCO ₃ % of Soil	0.5 %	4.9%	Medium cellulose
Gypsum Requirement Kg/ha	0.160	25,899.84	-
Organic Carbon	-	16.1637	-

Water Testing Parameter	Standard	Observed	Rating
pH of Water	6.5-8.4	8.48	Normal
EC of Water	0 - 3 dms	18.8 Ms	Good seed emergence
Hardness of Water	< 1	2030 PPM	None Hard water
CO ₃ ²⁻ , HCO ₃ ⁻ , chloride in water	< 5 mg/lit	1.42 PPM/lit	excellent
TDS in Water	-	8.10 PPT	-

Date: 30/06/2022

Sign of the Student: [Signature]

[Signature]
Miss. S. B. Ambadkar
Co-ordinator

[Signature]
Mr. A. S. Tambe
HEAD
Dept. of Chemistry
Arts, Science & Commerce College,
Rahata, Dist. Ahmednagar

[Signature]
Prof. S. V. Lahare
Principal
Arts, Science & Commerce College,
Rahata, Dist. Ahmednagar

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ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA

DEPARTMENT OF CHEMISTRY

SOIL AND WATER ANALYSIS REPORT

(01st April 2022 to 30th June 2022)

Name of the Student: Borde Anurag Subhash.

Name of the Farmer: Rambhau Baburav pansare. Survey No.: 103/1

Village: Adgaonkda Tel: Rahata Dist.: A. Nagar.

Soil Testing Parameter	Standard	Observed	Rating
pH of Soil	6.5 - 7.5	6.34	Normal
EC of Soil	0 - 1 dms	1.92318	Good seed emergence
CaCO ₃ % of Soil	0.5 %	4.9%	medium calcareous
Gypsum Requirement Kg/ha	0.160	24,899.94	—
Organic Carbon	—	16.1637	—

Water Testing Parameter	Standard	Observed	Rating
pH of Water	6.5-8.4	7.48	Normal
EC of Water	0 - 3 dms	17.8 MS	Good seed emergence
Hardness of Water	< 1	2030 ppm	more hard water
CO ₃ ²⁻ , HCO ₃ ⁻ , chloride in water	< 5 mg/lit	1.42 perlit	Excellent
TDS in Water	—	8.10 ppt	—

Date: 30/06/2022

Sign of the Student: (Signature)

(Signature)
Miss. S. B. Ambadkar
Co-ordinator

(Signature)
Mr. A. S. Tambe
HEAD
Head Chemistry
Arts, Science & Commerce College,
Rahata, Dist. Ahmednagar

(Signature)
Prof. S. V. Lahare
Principal
Principal

Arts, Science & Commerce College
Rahata, Dist. Ahmednagar

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ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA

DEPARTMENT OF CHEMISTRY

SOIL AND WATER ANALYSIS REPORT

(01st April 2022 to 30th June 2022)

Name of the Student: Chitte Sanjay Sanjay

Name of the Farmer: Chitte Sanjay Bhardekar

Survey No.: 97/2

Village: Sakari

Tel: Rahata

Dist.: Ahmednagar

Soil Testing Parameter	Standard	Observed	Rating
pH of Soil	6.5 - 7.5	6.29	Normal
EC of Soil	0 - 1 dms	1.82318	Good for seed emergence
CaCO ₃ % of Soil	0.5 %	8.9%	Medium calcareous.
Gypsum Requirement Kg/ha	0.160	29,899.84	-
Organic Carbon	-	16.1637	-

Water Testing Parameter	Standard	Observed	Rating
pH of Water	6.5-8.4	7.48	Normal
EC of Water	0 - 3 dms	14.915	Good seed emergence
Hardness of Water	< 1 mg/lit.	2030 ppm	More Hard water
CO ₃ ²⁻ , HCO ₃ ⁻ , chloride in water	< 5 mg/lit	1.42 ppm/lit	Exceeding.
TDS in Water		8.10	-

Date: 30/06/2022

Ambadkar

Miss. S.B. Ambadkar
Co-ordinator

Tambe

Mr. A.S. Tambe

HEAD
Dept. of Chemistry

Arts, Science & Commerce College,
Rahata, Dist. Ahmednagar

Chitte
Sign of the Student:

Lahare

Prof. S.V. Lahare

Principal
Principal

Arts, Science & Commerce College,
Rahata, Dist. Ahmednagar

Shirdi Sai Rural Institute's
ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA
DEPARTMENT OF CHEMISTRY
SOIL AND WATER ANALYSIS REPORT

(01st April 2022 to 30th June 2022)

Name of the Student: Tejurkar Vandana Babasaheb

Name of the Farmer: Thorat Dattu Shivram Survey No.: 165/4

Village: Astagan Tel: Rahata Dist.: A. Nagar

Soil Testing Parameter	Standard	Observed	Rating
pH of Soil	6.5 - 7.5	6.	Normal
EC of Soil	0 - 1 dms	1.203	Good seed germination
CaCO ₃ % of Soil	0.5 %	4.9 %	Medium Calcareous
Gypsum Requirement Kg/ha	0.160	24,899.84	-
Organic Carbon	-	16.1037	-

Water Testing Parameter	Standard	Observed	Rating
pH of Water	6.5-8.4	7.48	Normal
EC of Water	0 - 3 dms	14.9 ms	Good seed germination
Hardness of Water	< 1	2030 ppm	More hard water
CO ₃ ²⁻ , HCO ₃ ⁻ , chloride in water		1.42/lit	-
TDS in Water		8.10 ml/lit	-

Date: 30-6-2022

S. B. Ambadkar
 Miss. S. B. Ambadkar
 Co-ordinator

A. S. Tambe
 Mr. A. S. Tambe
 Head

Dept. of Chemistry
 Art's, Science & Commerce College,
 Rahata, Dist. Ahmednagar

Vandana
 Sign of the Student:

S. V. Lahare
 Prof. S. V. Lahare
 PRINCIPAL
 Principal
 Art's, Science & Commerce
 College, Rahata

Shirdi Sai Rural Institute's'

ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA

DEPARTMENT OF CHEMISTRY

SOIL AND WATER ANALYSIS REPORT

(01st April 2022 to 30th June 2022)

Name of the Student: Jondhale Dattatray Jagnath

Name of the Farmer: Jondhale Jagnath Bhika Survey No.: 15

Village: Wekadi (Rampurwadi) Tel: Rahata Dist.: A. Nagar.

Soil Testing Parameter	Standard	Observed	Rating
pH of Soil	6.5 - 7.5	6.9	Normal
EC of Soil	0 - 1 dms	0.9×10^3	Good for germination
CaCO ₃ % of Soil	0.5 %	3.001	Non calcareous
Gypsum Requirement Kg/ha	0.160	237674	-
Organic Carbon		18.30	-

Water Testing Parameter	Standard	Observed	Rating
pH of Water	6.5 - 8.4	7.48	Normal
EC of Water	0 - 3 dms	17.8	Poor seed germin ⁿ
Hardness of Water	< 1	1086.8	More hard water
CO ₃ ²⁻ , HCO ₃ ⁻ , chloride in water	< 5 ME/lit	42/lit	-
TDS in Water		9.85	-

Date: 30/06/2022

Sign of the Student: Jondhale

Miss. S. B. Ambadkar
Co-ordinator

Mr. A. S. Tambe
Head
HEAD
Dept. of Chemistry

Prof. S. V. Lahare
PRINCIPAL
Principal
Art's, Science & Commerce
College, Rahata

Shirdi Sai Rural Institute's'
ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA
DEPARTMENT OF CHEMISTRY
SOIL AND WATER ANALYSIS REPORT

(01st April 2022 to 30th June 2022)

Name of the Student: Turkane Shubham Balasaheb

Name of the Farmer: Turkane Kashinath Ravaji Survey No.: 122/23

Village: Pimpalwad

Tel: 9096234799

Dist.: Ahmadnagar

Soil Testing Parameter	Standard	Observed	Rating
pH of Soil	6.5 - 7.5	6.22	Normal
EC of Soil	0 - 1 dms	1.203	Good Seed Germination
CaCO ₃ % of Soil	0.5 %	4.9	medium calcareous
Gypsum Requirement Kg/ha	0.160	24,899.84	—
Organic Carbon		16.1637	—

Water Testing Parameter	Standard	Observed	Rating
pH of Water	6.5-8.4	7.48	Normal
EC of Water	0 - 3 dms	14.9 Ms	Good Seed Germination
Hardness of Water	< 1	2030 ppm	more hard water
CO ₃ ²⁻ , HCO ₃ ⁻ , chloride in water		1.42 meter	—
TDS in Water		8.10 ml/lit	—

Date: 30/06/2022

Sign of the Student: Shubham

S.B. Ambadkar
 Miss. S.B. Ambadkar
 Co-ordinator

A.S. Tambe
 Mr. A.S. Tambe
 HEAD
 Dept. of Chemistry
 Art's, Science & Commerce College,
 Rahata, Dist. Ahmednagar

S.V. Lahare
 Prof. S.V. Lahare
 PRINCIPAL
 Principal
 Art's, Science & Commerce
 College, Rahata

Shirdi Sai Rural Institute's'

ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA

DEPARTMENT OF CHEMISTRY

SOIL AND WATER ANALYSIS REPORT

(01st April 2022 to 30th June 2022)

Name of the Student: LAHARE SUDARSHAN GORAKSHNATH

Name of the Farmer: LAHARE GORAKSHNATH NIVRUTTI Survey No.: 23

Village: WAKADI Tel: RAHATA Dist.: A. NAGAR

Soil Testing Parameter	Standard	Observed	Rating
pH of Soil	6.5 - 7.5	4.49	acidic
EC of Soil	0 - 1 dms	0.9×10^{-3}	good for germination
CaCO ₃ % of Soil	0.5 %	3.001	Non-calcareous
Gypsum Requirement Kg/ha	0.160	237674	-
Organic Carbon		18.30	-

Water Testing Parameter	Standard	Observed	Rating
pH of Water	6.5-8.4	7.48	Normal
EC of Water	0 - 3 dms	17.8	poor seed germination
Hardness of Water	< 1	106.8	more hard water
CO ₃ ²⁻ , HCO ₃ ⁻ , chloride in water	< 5 MEG/liter	42/lit	-
TDS in Water		9.25	-

Date: 30/06/2022

Sign of the Student: Sudarshan

Ambadkar
Miss. S. B. Ambadkar
Co-ordinator

A. S. Tambe
Mr. A. S. Tambe
Head

Dept. of Chemistry
Art's, Science & Commerce College,
Rahata, Dist. Ahmednagar

S. V. Lahare
Prof. S. V. Lahare
Principal

Art's, Science & Commerce
College, Rahata



Shirdi Sai Rural Institute's'

**ARTS, SCIENCE AND COMMERCE COLLEGE,
RAHATA**



**DEPARTMENT OF CHEMISTRY
REPORT OF CERTIFICATE COURSE**

TITLE OF THE CERTIFICATE COURSE	: Soil and Water Analysis
COURSE DURATION	: 01 st April 2022 to 30 th June 2022
TIME	: 11:35 am -12:15 pm
ORGANISED BY	: Department of Chemistry, SSRI's, ASC College Rahata.

DETAIL SUMMERY:

The Department of Chemistry of our college was organized Certificate Course on the topic entitled "Soil and Water Analysis" for the undergraduate students of science from 01st April 2022 to 30th June 2022.

The workshop for syllabus framing was organized at the department of Chemistry of ASC College Rahata on March 2022. Dr.B.K.Uphade, Associate Professor, PVP College, Pravaranagar and Mrs.C.S. Karle, Assistant Professor, ACS College, Satral was invited as an expert for the syllabus framing. Also Prof. A. S. Tambe, Head Department of Chemistry and Dr.G.D.Shirole, Associate Professor, ASC College, Rahata was present for this syllabus framing workshop.

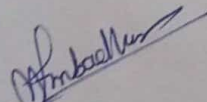
The main and basic objective of this soil and water testing program is to determine their fertility status and suitability as plant growing mediums. The developed laboratory research analytical techniques are provided good methods for estimation of plant available nutrients, to determine the optimum soil test levels for various nutrients for specific soil and crop combination.

The sample of soil and water for this course are collected from various villages of Rahata Taluka like Adgaon, Kelwad, Nirmal Pimpari, Khadke wake, Pimplas, Sakuri, Wakadi, Ranjangaon etc.

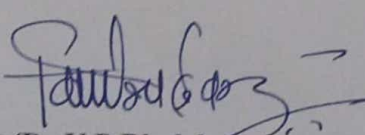
This method quantifies the P^H of soil and water. It is based on the measurement of P^H by using Water Analyzer Kit and P^H meter. The P^H of soil and water is between slightly acidic to normal in nature. The amount of soluble salt is also quantified, it is based on the measurement of Electrical conductivity. The Electrical conductivity for most of the sample is within the range, which indicates normal to seed germination. This method also quantifies the amount of $CaCO_3$ of soil and it is within the range from non calcareous to medium calcareous. Then determine the gypsum requirement. It's range varies from 19418.11- 24899.84Kg/h. The method of water analysis quantifies the amount of dissolved salt of calcium ion and magnesium ion and also carbonate, bicarbonate and chloride from irrigation water sample and it's within the range of normal.

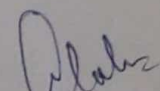
The total 110 students of TYBSc were participated in the course. The students were satisfied with the course.

All the staff of Chemistry Department co-operated and supported for the success of course. Miss.S.B.Ambadkar worked as Co-ordinator and taken outstanding efforts for smooth conductance of the course. Honorable Dr.Mahesh Kharde, Director of SSRI and Honorable Prof. Sanjay Lahare, Principal of the college were motivated and supported for the organization of this course. Honorable Prof. A. S. Tambe HOD of Chemistry department guided for this course.


(Miss. S. B. Ambadkar)
Co-ordinator


(Mr. A. S. Tambe)
HEAD
Dept. of Chemistry
Art's, Science & Commerce College,
Rahata, Dist. Ahmednagar


(Dr. V. P. Bhalekar)


(Prof. S. V. Lahare)

IQAC Co-ordinator
LASC College, Rahata

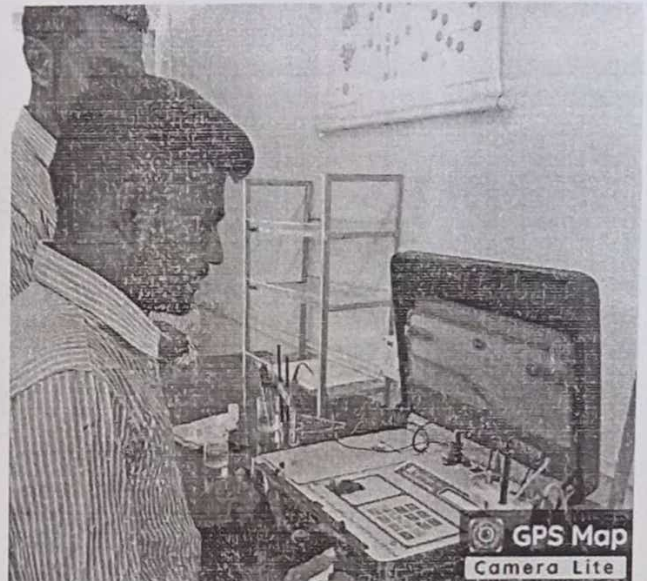
PRINCIPAL
Principal
Art's, Science & Commerce
College, Rahata



Kopargaon - Shirdi - Ahmednagar - Pune Hwy,
Maharashtra 423107, India

Latitude 19.6880862° Longitude 74.4853497°

Local 10:03:07 AM Altitude 0 meters
GMT 04:33:07 AM Monday, 20-06-2022



MFVH+79V, Khadakewake, Maharashtra 423107,
India

Latitude 19.6930016° Longitude 74.47876°

Local 10:15:33 AM Altitude 458.7 meters
GMT 04:45:33 AM Monday, 20-06-2022



MFVM+G75, Rahata, Maharashtra 423107, India

Latitude 19.6933217° Longitude 74.4831518°

Local 09:58:41 AM Altitude 0 meters
GMT 04:28:41 AM Monday, 20-06-2022

Ambalker

[Signature]
HEAD
Dept. of Chemistry
Arts, Science & Commerce College,
Rahata, Dist. Ahmednagar

[Signature]
Principal
Arts, Science & Commerce College,
Rahata, Dist. Ahmednagar

Shirdi Sai Rural Institute's
ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA.

Department of Chemistry
Soil and Water Analysis Certificate Course
(01st April 2022 to 30th June 2022)

16
30

Pranav

Name of the student: Agre Pranav Ramesh Date: 28/06/2023 Mark: 20

Q. Attempt the following.

1) Which fertilizer produces acidity in soil?

- (a) Ammonium sulfate (b) sodium nitrate
(c) Calcium ammonium nitrate (d) Calcium nitrate

2) Optimum growth of bacteria in soil

- (a) acidic (b) alkali (c) neutral to slightly alkaline (d) slightly acidic to neutral

3) How should the conducting materials be in terms of malleability & ductility?

- (a) High malleable, less ductile (b) less malleable, less ductile
(c) Highly malleable, high ductile (d) less malleable, highly ductile

4) Example of low resistivity material is

- (a) silver (b) magnesium (c) manganese (d) tungsten

5) Which one is lower category for classification of soil?

- (a) soil order (b) family (c) soil series (d) none of the above

6) PH. meter measure

- (a) H^+ ion activity (b) H^+ ion concentration (c) Al ions (d) all of the above

7) EC (electrical conductivity) meter measure

- (a) total size in soil (b) soluble soil in salt (c) both the salt (d) none of the above

8) The unit used for the measurement of electrical conductivity is

- (a) ds/m (b) ds/cm (c) mg/m (d) both a & b

9) Which among the following soil types is the most fertile soil?

- (a) Black soil (b) desert soil (c) peaty soil (d) ~~musky~~ soil

10) Which of the following nutrient is cycled in the soil through atmosphere?

- (a) Phosphorus (b) potash (c) zinc (d) ~~nitrogen~~

11) The nitrate concentration in domestic water supplies is generally limited to

- (a) 10ppm (b) 15ppm (c) 30ppm (d) ~~45ppm~~

12) Carbonates in water produce

- (a) Temporary hardness (b) permanent hardness (c) ~~acidity~~ (d) alkalinity

13) Water losses in water supply is assumed as

- (a) 5% (b) 7.5% (c) 10% (d) ~~15%~~

14) Water is liquid at room temperature

- (a) High boiling point of water (b) ~~high melting point of water~~
(c) High heat of vaporization of water (d) cohesive forces due to hydrogen bond in water

15) Water is a

- (a) polar solvent (b) ~~non polar~~
(c) an amphipathic solvent (d) non polar uncharged solvent

16) The H-O-H bond angle in water molecule is

- (a) 104.0° (b) 104.5° (c) 105.0° (d) ~~105.5°~~

17) The oxygen atom in the water molecule due to its high electronegativity bears.....

- (a) 1 δ^+ charge (b) 2 δ^+ charges (c) 1 δ^- charge (d) ~~2 δ^- charges~~

18) A single water molecule can form how many hydrogen bonds at a time.....

- (a) 1 (b) ~~2~~ (c) 3 (d) 4

19) Which one is a process in which water changes into vapor in atmosphere?

- (a) ~~Evaporation~~ (b) transpiration (c) precipitation (d) condensation

20) Which is a result of condensation of water vapors?

- (a) Rain (b) snowfall (c) hail (d) ~~tiny water droplets~~

14
20

[Signature]

Shirdi Sai Rural Institute's
ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA.
Department of Chemistry
Soil and Water Analysis Certificate Course
(01st April 2022 to 30th June 2022)

Name of the student: Bawake Gayatri Madhukar Date: 28/06/2023 Mark: 20

Q. Attempt the following.

1) Which fertilizer produces acidity in soil?

- (a) Ammonium sulfate (b) sodium nitrate
(c) Calcium ammonium nitrate (d) Calcium nitrate

2) Optimum growth of bacteria in soil

- (a) acidic (b) alkali (c) neutral to slightly alkaline (d) slightly acidic to neutral

3) How should the conducting materials be in terms of malleability & ductility?

- (a) High malleable, less ductile (b) less malleable, less ductile
(c) Highly malleable, high ductile (d) less malleable, highly ductile

4) Example of low resistivity material is

- (a) silver (b) magnesium (c) manganese (d) tungsten

5) Which one is lower category for classification of soil?

- (a) soil order (b) family (c) soil series (d) none of the above

6) PH. meter measure

- (a) H⁺ ion activity (b) H⁺ ion concentration (c) Al ions (d) all of the above

7) EC (electrical conductivity) meter measure

- (a) total size in soil (b) soluble soil in salt (c) both the salt (d) none of the above

8) The unit used for the measurement of electrical conductivity is

- (a) ds/m (b) ds/cm (c) mg/m (d) both a & b

9) Which among the following soil types is the most fertile soil?

- (a) Black soil (b) desert soil (c) peaty soil (d) musk soil

10) Which of the following nutrient is cycled in the soil through atmosphere?

- (a) Phosphorus (b) potash (c) zinc (d) nitrogen

11) The nitrate concentration in domestic water supplies is generally limited to

- (a) 10ppm (b) 15ppm (c) 30ppm (d) 45ppm

12) Carbonates in water produce

- (a) Temporary hardness (b) permanent hardness (c) acidity (d) alkanity

13) Water losses in water supply is assumed as

- (a) 5% (b) 7.5% (c) 10% (d) 15%

14) Water is liquid at room temperature

- (a) High boiling point of water (b) high melting point of water
(c) High heat of vaporization of water (d) cohesive forces due to hydrogen bond in water

15) Water is a

- (a) polar solvent (b) non polar
(c) an amphipathic solvent (d) non polar uncharged solvent

16) The H-O-H bond angle in water molecule is

- (a) 104.0° (b) 104.5° (c) 105.0° (d) 105.5°

17) The oxygen atom in the water molecule due to its high electronegativity bears.....

- (a) $1\delta^+$ charge (b) $2\delta^+$ charges (c) $1\delta^-$ charge (d) $2\delta^-$ charges

18) A single water molecule can form how many hydrogen bonds at a time.....

- (a) 1 (b) 2 (c) 3 (d) 4

19) Which one is a process in which water changes into vapor in atmosphere?

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20) Which is a result of condensation of water vapors?

- (a) Rain (b) snowfall (c) hail (d) tiny water droplets

Shirdi Sai Rural Institute's
ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA.

Department of Chemistry
Soil and Water Analysis Certificate Course
(01st April 2022 to 30th June 2022)

17
20
Pritya

Name of the student: Borde Amruta Subhash Date: 28/06/2023 Mark: 20

Q. Attempt the following.

1) Which fertilizer produces acidity in soil?

- (a) Ammonium sulfate (b) sodium nitrate
(c) Calcium ammonium nitrate (d) Calcium nitrate

2) Optimum growth of bacteria in soil

- (a) acidic (b) alkali (c) neutral to slightly alkaline (d) slightly acidic to neutral

3) How should the conducting materials be in terms of malleability & ductility?

- (a) High malleable, less ductile (b) less malleable, less ductile
(c) Highly malleable, high ductile (d) less malleable, highly ductile

4) Example of low resistivity material is

- (a) silver (b) magnesium (c) manganese (d) tungsten

5) Which one is lower category for classification of soil?

- (a) soil order (b) family (c) soil series (d) none of the above

6) PH. meter measure

- (a) H⁺ ion activity (b) H⁺ ion concentration (c) Al ions (d) all of the above

7) EC (electrical conductivity) meter measure

- (a) total size in soil (b) soluble soil in salt (c) both the salt (d) none of the above

8) The unit used for the measurement of electrical conductivity is

- (a) ds/m (b) ds/cm (c) mg/m (d) both a & b

9) Which among the following soil types is the most fertile soil?

- (a) Black soil (b) desert soil (c) peaty soil (d) musk soil

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- (a) Phosphorus (b) potash (c) zinc (d) nitrogen

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- (a) 104.0° (b) 104.5° (c) 105.0° (d) 105.5°

17) The oxygen atom in the water molecule due to its high electronegativity bears.....

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- (a) 1 (b) 2 (c) 3 (d) 4

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Shirdi Sai Rural Institute's
ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA.

Department of Chemistry

Soil and Water Analysis Certificate Course
(01st April 2022 to 30th June 2022)

15
20
S. P. W. Jay

Name of the student: Chitte Swarnil Sanjay Date: 28/06/2023 Mark: 20

Q. Attempt the following.

1) Which fertilizer produces acidity in soil?

- (a) Ammonium sulfate (b) sodium nitrate
(c) Calcium ammonium nitrate (d) Calcium nitrate

2) Optimum growth of bacteria in soil

- (a) acidic (b) alkali (c) neutral to slightly alkaline (d) slightly acidic to neutral

3) How should the conducting materials be in terms of malleability & ductility?

- (a) High malleable, less ductile (b) less malleable, less ductile
(c) Highly malleable, high ductile (d) less malleable, highly ductile

4) Example of low resistivity material is

- (a) silver (b) magnesium (c) manganese (d) tungsten

5) Which one is lower category for classification of soil?

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6) PH. meter measure

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7) EC (electrical conductivity) meter measure

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8) The unit used for the measurement of electrical conductivity is

- (a) ds/m (b) ds/cm (c) mg/m (d) both a & b

9) Which among the following soil types is the most fertile soil?

- (a) Black soil (b) desert soil (c) ~~peaty soil~~ (d) musk soil

10) Which of the following nutrient is cycled in the soil through atmosphere?

- (a) Phosphorus (b) potash (c) ~~zinc~~ (d) nitrogen

11) The nitrate concentration in domestic water supplies is generally limited to

- (a) 10ppm (b) 15ppm (c) 30ppm (d) ~~45ppm~~

12) Carbonates in water produce

- (a) Temporary hardness (b) ~~permanent hardness~~ (c) acidity (d) alkanity

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(c) High heat of vaporization of water (d) ~~cohesive forces due to hydrogen bond in water~~

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(c) an amphipathic solvent (d) non polar uncharged solvent

16) The H-O-H bond angle in water molecule is

- (a) 104.0° (b) 104.5° (c) ~~105.0°~~ (d) 105.5°

17) The oxygen atom in the water molecule due to its high electronegativity bears.....

- (a) $1\delta^+$ charge (b) $2\delta^+$ charges (c) ~~$1\delta^-$ charge~~ (d) $2\delta^-$ charges

18) A single water molecule can form how many hydrogen bonds at a time.....

- (a) 1 (b) 2 (c) 3 (d) ~~4~~

19) Which one is a process in which water changes into vapor in atmosphere?

- (a) ~~Evaporation~~ (b) transpiration (c) precipitation (d) condensation

20) Which is a result of condensation of water vapors?

- (a) Rain (b) snowfall (c) hail (d) ~~tinly water droplets~~

Shirdi Sai Rural Institute's
ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA.
Department of Chemistry
Soil and Water Analysis Certificate Course
(01st Feb 2023 to 30th April 2023)

Name of the student: _____ Date: / /2023 Mark:20

Q. Attempt the following.

1) Which fertilizer produce acidity in soil.

- (a) ammonium sulfate (b) sodium nitrate
(c) calcium ammonium nitrate (d) calcium nitrate

2) Optimum growth of bacteria in soil

- (a) acidic (b) alkali (c) neutral to slightly alkaline (d) slightly acidic to neutral

3) How should the conducting materials be in terms of malleability & ductility?

- (a) high malleable, less ductile (b) less malleable, less ductile
(c) highly malleable, high ductile (d) less malleable, highly ductile

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8) The unit used for the measurement of electrical conductivity is

- (a) ds/m (b) ds/cm (c) mg/m (d) both a & b

- 9) Which among the following soil types is the most fertile soil?
(a)black soil (b)desert soil (c)peaty soil (d)musk soil
- 10) Which of the following nutrient is cycled in the soil through atmosphere?
(a)phosphorus (b)potash (c)zinc (d)nitrogen
- 11) The nitrate concentration in domestic water supplies is generally limited to
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- 12) Carbonates in water produce
(a)temporary hardness (b)permanent hardness (c)acidity (d)alkalinity
- 13) Water losses in water supply is assumed as
(a)5% (b)7.5% (c)10% (d)15%
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(c)high heat of vaporization of water (d)cohesive forces due to hydrogen bond in water
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(a)polar solvent (b)non polar
(c)an amphipathic solvent (d)non polar uncharged solvent
- 16) The H-O-H bond angle in water molecule is
(a)104.0° (b)104.5° (c)105.0° (d)105.5°
- 17) The oxygen atom in the water molecule due to its high electronegativity bears.....
(a)1 δ^+ charge (b)2 δ^+ charges (c)1 δ^- charge (d)2 δ^- charges
- 18) A single water molecule can form how many hydrogen bonds at a time.....
(a)1 (b)2 (c)3 (d)4
- 19) Which one is a process in which water changes into vapour in atmosphere?
(a)evaporation (b)transpiration (c)precipitation (d)condensation
- 20) Which is a result of condensation of water vapour?
(a)Rain (b)snowfall (c)hail (d)tiny water droplets

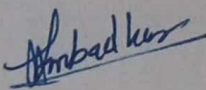
Shirdi Sai Rural Institute's
ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA.
Department of Chemistry
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(01st April 2022 to 30th June 2022)

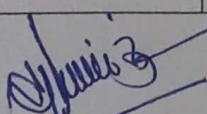
Evolution sheet

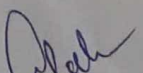
Sr.No	Name of the Students	Obtain Marks	Total marks
1	AgrePranav Ramesh	16	20
2	BawakeGayatriMadhukar	14	20
3	BordeAmrutaSubhash	17	20
4	ChitteSwapnil Sanjay	15	20
5	CholkeSandeshDnyandev	18	20
6	Dange GayatriDilip	14	20
7	DapatkarKirtiAnant	16	20
8	Gadhawe Aditya Sanjay	18	20
9	GaikwadPriyankaDattatraya	17	20
10	GamePritiShivaji	16	20
11	HemkeVrushaliRajendra	14	20
12	Jadhav PritiSharad	14	20
13	Jejurkar AkashPrakash	15	20
14	Jejurkar Arti Vilas	19	20
15	Jejurkar Atul Suresh	18	20
16	Jejurkar Pratiksha Sunil	20	20
17	KasarAbhishek Bhausahab	17	20
18	KudaleShraddhaBhimraj	16	20
19	Lute DnyaneshwariManoj	16	20
20	MalveLeenaRaju	15	20
21	MoreAshwiniSatish	14	20
22	More MahendraShivaji	17	20
23	More RenukaRambhau	14	20
24	NaleRahul Bhausahab	16	20
25	NaleShitalBabasaheb	18	20
26	Nirmal Adesh Ashok	17	20
27	Nirmal SumitDipak	16	20
28	PadawalChandrakantShivaji	14	20
29	PathanArbajNajir	14	20
30	Pokale Pratik Shantaram	15	20
31	RanmaleShrutikaNandkishor	19	20
32	Raut ManishaBalasaheb	18	20
33	TatheManjushaBabasaheb	20	20

34	Tribhan Ganesh Nanasaheb	17	20
35	WagheRohitUttam	16	20
36	Bombe Mayur Kailas	16	20
37	DhatrakHrishikesh Ashok	15	20
38	DokheRoshan Suresh	14	20
39	DukareAjit Sanjay	17	20
40	GadekarSanketDnyaneshwar	14	20
41	GadhavPrashant Sanjay	16	20
42	GaikwadKiran Vijay	18	20
43	Ghorpade HritikDattatray	17	20
44	GhorpadeKiranBalasaheb	16	20
45	JejurkarVandanaBabasaheb	14	20
46	JondhaleDattatrayJagannath	14	20
47	KhambekarRoshan Sunil	15	20
48	KohakadeTusharBabasaheb	19	20
49	Lahare SudarshaGorakshanath	18	20
50	Londhe Pooja Popat	20	20
51	ModhePallaviBalasaheb	17	20
52	Raut Anita Gajanan	16	20
53	Tambe Vaishnavi Adinath	16	20
54	TribhanArtiRamdas	15	20
55	TurakaneShubhamBalasaheb	14	20
56	Jadhav PritiSharad	17	20
57	Jejurkar AkashPrakash	14	20
58	Jejurkar Arti Vilas	14	20
59	Jejurkar Atul Suresh	16	20
60	Jejurkar Pratiksha Sunil	18	20
61	KasarAbhishek Bhausahab	17	20
62	KudaleShraddhaBhimraj	16	20
63	Lute DnyaneshwariManoj	14	20
64	MalveLeenaRaju	14	20
65	More AshwiniSatish	15	20
66	More MahendraShivaji	19	20
67	More RenukaRambhau	18	20
68	Nale Rahul Bhausahab	20	20
69	NaleShitalBabasaheb	17	20
70	Nirmal Adesh Ashok	16	20
71	Nirmal SumitDipak	16	20
72	PadawalChandrakantShivaji	15	20
73	PathanArbajNajir	14	20
74	Pokale Pratik Shantaram	17	20
75	RanmaleShrutikaNandkishor	14	20

76	Raut ManishaBalasaheb	16	20
77	TatheManjushaBabasaheb	18	20
78	Tribhan Ganesh Nanasahaeb	17	20
79	WagheRohitUttam	16	20
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85	GadhawePrashant Sanjay	20	20
86	GaikwadKiran Vijay	17	20
87	Ghorpade HritikDattatray	16	20
88	Ghorpade KiranBalasaheb	16	20
89	Jejurkar VandanaBabasaheb	15	20
90	JondhaleDattatrayJagannath	14	20
91	KhambekarRoshan Sunil	17	20
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96	Raut Anita Gajanan	16	20
97	Tambe Vaishnavi Adinath	14	20
98	TribhanArtiRamdas	14	20
99	TurakaneShubhamBalasaheb	15	20
100	AgrePranav Ramesh	19	20
101	BawakeGayatriMadhukar	18	20
102	BordeAmrutaSubhash	20	20
103	ChitteSwapnil Sanjay	17	20
104	CholkeSandeshDnyandev	16	20
105	Dange GayatriDilip	16	20
106	DapatkarKirtiAnant	15	20
107	GadhaweAditya Sanjay	14	20
108	GaikwadPriyankaDattatraya	17	20
109	Game PritiShivaji	15	20
110	HemkeVrushaliRajendra	18	20


(Miss.S.B.Ambadkar)
Co-ordinator


(Mr.A.S.Tambe)
HEAD
Dept. of Chemistry
Art's, Science & Commerce College,
Rahata, Dist. Ahmednagar


(Prof. S.V.Lahare)
PRINCIPAL
Principal
Art's, Science & Commerce
College, Rahata

SHIRDI SAI RURAL INSTITUTE'S

ARTS, SCIENCE & COMMERCE COLLEGE, RAHATA

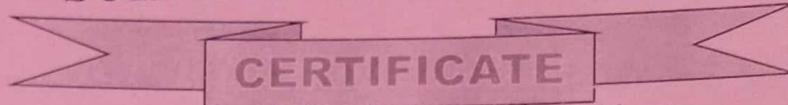
TAL- RAHATA, DIST.- AHMEDNAGAR-423 107

NAAC RE-ACCREDITED B++ GRADE COLLEGE

DEPARTMENT OF CHEMISTRY

ORGANIZED A CERTIFICATE COURSE ON

"SOIL AND WATER ANALYSIS"



This is to certify that, *Mr/Miss Lute Dnyaneshwar Manoj* of *F.Y.B.Sc Chemistry* has actively participated in a Certificate course on "Soil and Water Analysis" Organized by Department of Chemistry, Arts, Science and Commerce College, Rahata, Dist. Ahmednagar affiliated to *SPPU, Pune* held during *01st April 2022 to 30th June 2022* and obtained ----- credits.

S. B. Ambadkar
Miss. S. B. Ambadkar
Co-ordinator

A. S. Tambe
Mr. A. S. Tambe
Head, Department of Chemistry
HEAD
Dept. of Chemistry
Arts, Science & Commerce College,
Rahata, Dist. Ahmednagar

S. V. Lahare
Prof. S. V. Lahare
Principal
Principal
Arts, Science & Commerce College,
Rahata, Dist. Ahmednagar

SHIRDI SAI RURAL INSTITUTE'S

ARTS, SCIENCE & COMMERCE COLLEGE, RAHATA

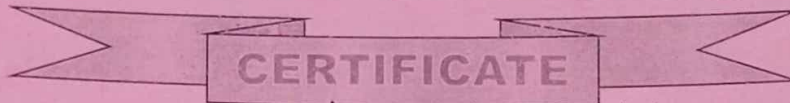
TAL- RAHATA, DIST.- AHMEDNAGAR-423 107

NAAC RE-ACCREDITED B++ GRADE COLLEGE

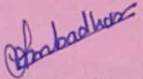
DEPARTMENT OF CHEMISTRY

ORGANIZED A CERTIFICATE COURSE ON

"SOIL AND WATER ANALYSIS"



This is to certify that, Mr/Miss Nale. Shital Babasabeb of T.Y.B.Sc Chemistry has actively participated in a Certificate course on "Soil and Water Analysis" Organized by Department of Chemistry, Arts, Science and Commerce College, Rahata, Dist. Ahmednagar affiliated to S.P.U., Pune held during 01st April 2022 to 30th June 2022 and obtained ----- credits.


Miss. S. B. Ambadkar
Co-ordinator


Mr. A. S. Jambe
Head, Department of Chemistry
Arts, Science & Commerce College,
Rahata, Dist. Ahmednagar


Prof. S. V. Lahare
Principal
Arts, Science & Commerce College,
Rahata, Dist. Ahmednagar

SHIRDI SAI RURAL INSTITUTE'S

ARTS, SCIENCE & COMMERCE COLLEGE, RAHATA

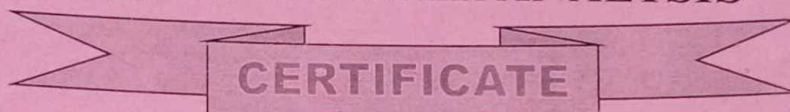
TAL- RAHATA, DIST.- AHMEDNAGAR-423 107

NAAC RE-ACCREDITED B++ GRADE COLLEGE

DEPARTMENT OF CHEMISTRY

ORGANIZED A CERTIFICATE COURSE ON

"SOIL AND WATER ANALYSIS"



This is to certify that, Mr/Ms. Chitde Swapnil Sanjay of B.Y.B.Sc Chemistry has actively participated in a Certificate course on "Soil and Water Analysis" Organized by Department of Chemistry, Arts, Science and Commerce College, Rahata, Dist. Ahmednagar affiliated to S.P.U., Pune held during 01st April 2022 to 30th June 2022 and obtained ----- credits.

S. B. Ambadkar
Miss. S. B. Ambadkar
Co-ordinator

A. S. Tambe
Mr. A. S. Tambe
Head, Department of Chemistry

HEAD
Dept. of Chemistry
Arts, Science & Commerce College,
Rahata, Dist. Ahmednagar

S. V. Lahare
Prof. S. V. Lahare
Principal

Principal
Arts, Science & Commerce College,
Rahata, Dist. Ahmednagar



SHIRDI SAI RURAL INSTITUTE'S

ARTS, SCIENCE & COMMERCE COLLEGE, RAHATA

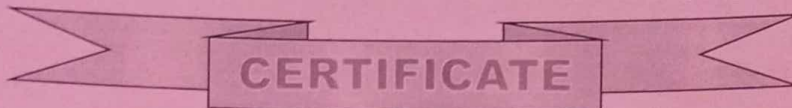
TAL- RAHATA, DIST.- AHMEDNAGAR-423 107

NAAC RE-ACCREDITED B++ GRADE COLLEGE

DEPARTMENT OF CHEMISTRY

ORGANIZED A CERTIFICATE COURSE ON

"SOIL AND WATER ANALYSIS"



This is to certify that, *Mr./Miss. More Ashwini Satish* of *F.Y.B.Sc Chemistry* has actively participated in a Certificate course on "Soil and Water Analysis" Organized by Department of Chemistry, Arts, Science and Commerce College, Rahata, Dist. Ahmednagar affiliated to *SPPU, Pune* held during *01st April 2022 to 30th June 2022* and obtained ----- credits.

Miss. S. B. Ambadkar
Co-ordinator

Mr. A. S. Tambe
Head, Department of Chemistry
HEAD
Dept. of Chemistry
Arts, Science & Commerce College,
Rahata, Dist. Ahmednagar

Prof. S. V. Lahare
Principal
Principal
Arts, Science & Commerce College,
Rahata, Dist. Ahmednagar

Shirdi Sai Rural Institute's
**ARTS, SCIENCE AND COMMERCE COLLEGE,
RAHATA
DEPARTMENT OF CHEMISTRY**
**Soil and Water Analysis Certificate Course
(01st April 2022 to 30th June 2022)**

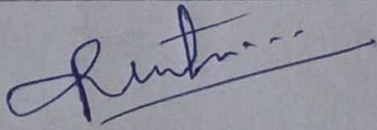
Feedback Form

Name of the Students: Agge Pranav Ramesh.
Class: T.Y. BSc.

Your impression about the following : (please mark ✓ in the appropriate)

Sr. NO	Feedback about	Excellent	Very Good	Average	Not good
1	Objectives of the course was clear	✓			
2	The level of the course was		✓		
3	The course exposed you to new knowledge and practical	✓			
4	I learn the skill that i will be able to apply when working	✓			
5	Are you satisfied about the Course	✓			

Any Suggestion: No.

Sign of the Student: 

Shirdi Sai Rural Institute's'
ARTS, SCIENCE AND COMMERCE COLLEGE,
RAHATA
DEPARTMENT OF CHEMISTRY
Soil and Water Analysis Certificate Course
(01st April 2022 to 30th June 2022)

Feedback Form

Name of the Students: Bawake Gayatri Medhulkar.

Class: TY. BSc

Your impression about the following : (please mark ✓ in the appropriate)

Sr. NO	Feedback about	Excellent	Very Good	Average	Not good
1	Objectives of the course was clear		✓		
2	The level of the course was	✓			
3	The course exposed you to new knowledge and practical		✓		
4	I learn the skill that i will be able to apply when working		✓		
5	Are you satisfied about the Course	✓			

Any Suggestion: No

Sign of the Student: [Signature]

Shirdi Sai Rural Institute's'
ARTS, SCIENCE AND COMMERCE COLLEGE,
RAHATA
DEPARTMENT OF CHEMISTRY
Soil and Water Analysis Certificate Course
(01st April 2022 to 30th June 2022)

Feedback Form


Name of the Students: Borde Amruta Subhash.

Class: PY. Bsc.

Your impression about the following : (please mark ✓ in the appropriate)

Sr. NO	Feedback about	Excellent	Very Good	Average	Not good
1	Objectives of the course was clear		✓		
2	The level of the course was	✓			
3	The course exposed you to new knowledge and practical		✓		
4	I learn the skill that i will be able to apply when working		✓		
5	Are you satisfied about the Course	✓			

Any Suggestion: No.

Sign of the Student: 

Shirdi Sai Rural Institute's'
ARTS, SCIENCE AND COMMERCE COLLEGE,
RAHATA
DEPARTMENT OF CHEMISTRY
Soil and Water Analysis Certificate Course
(01st April 2022 to 30th June 2022)

Feedback Form

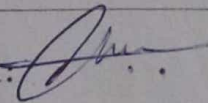
Name of the Students: Chitte Swapnil Sanjay

Class: T.Y. B.Sc

Your impression about the following : (please mark ✓ in the appropriate)

Sr. NO	Feedback about	Excellent	Very Good	Average	Not good
1	Objectives of the course was clear	✓			
2	The level of the course was	✓			
3	The course exposed you to new knowledge and practical	✓			
4	I learn the skill that i will be able to apply when working	✓			
5	Are you satisfied about the Course	✓			

Any Suggestion: NO.

Sign of the Student: 

Shirdi Sai Rural Institute's
ARTS, SCIENCE AND COMMERCE COLLEGE,
RAHATA
DEPARTMENT OF CHEMISTRY
Soil and Water Analysis Certificate Course
(01st April 2022 to 30th June 2022)

Feedback Form

Name of the Students: Dange Gayatri Dilip

Class: TY BSC

Your impression about the following : (please mark ✓ in the appropriate)

Sr. NO	Feedback about	Excellent	Very Good	Average	Not good
1	Objectives of the course was clear	✓			
2	The level of the course was	✓			
3	The course exposed you to new knowledge and practical	✓			
4	I learn the skill that i will be able to apply when working		✓		
5	Are you satisfied about the Course		✓		

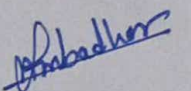
Any Suggestion: No

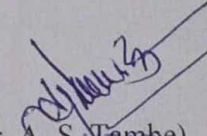
Sign of the Student: Gy

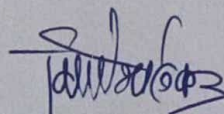
Shirdi Sai Rural Institute's
ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA
DEPARTMENT OF CHEMISTRY
Soil and Water Analysis Certificate Course
(01st April 2022 to 30th June 2022)

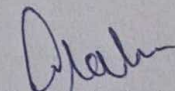
Feedback Form Analysis

Sr. NO	Feedback about	Excellent	Very Good	Average	Not good
1	Objectives of the course was clear	24	07	04	00
		68.57%	20.00%	11.00%	0%
2	The level of the course was	24	10	01	00
		68.57%	28.57%	0.020%	0%
3	The course exposed you to new knowledge and practical	23	12	00	00
		65.71%	34.28%	0%	0%
4	I learn the skill that i will be able to apply when working	20	10	05	00
		57.14%	28.57%	14.28%	0%
5	Are you satisfied about the Course	25	10	00	00
		71.42%	28.57%	0%	0%


(Miss. S. B. Ambadkar)
Co-ordinator


(Mr. A. S. Tambe)
Head of Chemistry
Arts, Science & Commerce College
Rahata, Dist. Ahmednagar


(Dr. V. P. Bhalekar)
Coordinator, IQAC


(Prof. S. V. Lahare)
Principal
Principal
Arts, Science & Commerce College,
Rahata, Dist. Ahmednagar



Shirdi Sai Rural Institute's
ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA.
Tal- Rahata, Dist-Ahmednagar (423107)



University of Pune Affiliated ID No. PU/AN/ASC/052/1997

NAAC Accredited "B++" Grade College

Recipient of "Best Rural College Award" from Student Welfare Board, University of Pune

Recipient of "Best Rural College Award" from University of Pune



Department of Zoology
organized



"Skill Development Course in Sericulture"



Dr. V. R. Pawade
Head Dept. of Zoology

Prof. S. V. Lahare
Principal

Application for Permission

Date: 20th Sept, 2021

To,
The Principal,
Arts, Science and Commerce College, Rahata.
Tal-Rahata, Dist- Ahmednagar, Pin-423107.

Subject: Regarding the permission to start Sericulture Certificate Course for Students.

Respected Sir,

Department of Zoology of our College wishes to organize a Skill Development Sericulture Certificate Course for the students in the Academic Year 2021-22.

I kindly request you to grant the permission to start Sericulture Certificate Course.

Thanking You,

M. M. M. M.
Plus
20/9/2021.

Dr. V. R. Pawade

Yours Faithfully,

Dr. V. R. Pawade.

'Shirdi Sai Rural Institute's
ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA



Tal- Rahata, Dist-Ahmednagar (423107)
(University of Pune Affiliated ID No. PU/AN/ASC/052/1997)
Phone-(02423)295488
Email: rahatacollege@rediffmail.com
Website: <http://www.ascrahata.org.in>



NAAC Re-Accredited "B++" Grade College

Recipient of "Best Rural College Award" from University of Pune (2012-13)

Recipient of "Best Rural College Award" from Student Welfare Board, University of Pune (2011-12)

Ref: ASCR/EST/2021-22/

Date:21/09/2021

Student Notice

All the students are here by informed that, The Zoology Department of Arts, Science and Commerce College, Rahata will be conducted Skill Development Sericulture Certificate Course for the students. The course gives information about the Economic value of silk rearing and methods of rearing of silk worm. So, interested students enroll your name to Dr. V. R. Pawade (HOD of Dept. Zoology).

Principal
Prof. S. V. Lahare

I/C PRINCIPAL

Art's, Science & Commerce College
Rahata, Dist Ahmednagar

Shirdi Sai Rural Institute's
ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA



Tal- Rahata, Dist-Ahmednagar (423107)
(University of Pune Affiliated ID No. PU/AN/ASC/052/1997)

Email: rahatacollege@rediffmail.com

Website: <http://pravarassri.org.in>



NAAC Accredited "B++" Grade College

Recipient of "Best Rural College Award" from Student Welfare Board, University of Pune (2011-12)

Recipient of "Best Rural College Award" from University of Pune (2012-13)

ASCR/EST/2022-23/ 124

Date: 02/07/2022

To,
Director ,
Krushi Vidnyan Kendra,
Babhaleshwar.

Subject: Regarding the approval of the syllabus

Dear Sir,

With reference to the above mentioned subject, I would like to inform you that ,the Department of Zoology of Arts, Science and Commerce college, Rahata is going to run a certificate course on `sericulture`.

The faculty of the department has prepared the syllabus for the same.

You are kindly requested to go through the syllabus and suggest valuable changes if any. You are also requested to approve the syllabus.

Thank you

Principal
ITC PRINCIPAL

Art's, Science & Commerce College
Rahata, Dist Ahmednagar



Pravara Institute of Research & Education in Natural & Social Science's (PIRENS)

KRISHI VIGYAN KENDRA

A/p. BABHALESHWAR - 413 737, Tal. Rahata, Dist. Ahmednagar, (Maharashtra) India



Ref. : PIRENS / KVK/

HD: 24/00
/20 22

Art, Science and Commerce College
Rahata, Tal-Rahata, Dist-Ahmednagar
Inward No. 03
Date. 07/07/2022

Date : / /20

To,
The Principal
Arts, Science & Commerce College
Rahata, Dist. Ahmednagar

5th July, 2022

Sub – Approval for the syllabus on Certificate Course of Sericulture

Dear Sir,

This is in reference to your letter ASCR/EST/2022-23/124 dtd. 2nd July 2022. The syllabus on Certificate Course of Sericulture as finalized by you is approved by our institute.

Thanking you,

Yours faithfully,

Dr.S.D.Nalkar
Sr. Scientist & Head

Dr. Pawade V.R.
HOD. Zoology Dept
Do the needful &
Per 07/07/2022
Jub
5/7/2022

Certificate Course: Sericulture

Name of the course	: Certificate Course In Sericulture
Total duration	: 30 clock Hrs.
Venue	: Department of Zoology
Student age group	: 18 to 25 year (college student)
Time	: two hours in the week
Course fee	: Rs. 300/- per student

Objective

1. It aims to infuse knowledge and skills in the field of sericulture
2. To create awareness about the opportunities and employment in sericulture.
3. Prepare the rural youth for accepting sericulture as profit making business/enterprise and monthly income.
4. To develop the expert manpower to handle own sericulture unit/corporate sector unit.
5. To train the student for mulberry plant cultivation, irrigation, manuring, pruning and disease management.
6. Hands on training on rearing of silkworms from egg to cocoon harvesting



Course syllabus

Sr. No.	Content	No of hours
1	An introduction to Sericulture, history of sericulture, different types of silk, life cycle of silkworm <i>Bombyx mori</i> L. importance of sericulture, benefits of Sericulture, different schemes of sericulture given by Government and economics of Sericulture	1
2	Cultivation of mulberry	
2.1	Different Mulberry varieties	
2.2	Raising of mulberry saplings What is sapling? Preparation of nursery bed, Preparation of cuttings, transportation of cuttings and storing, planting, weeding, fertilizer application, plant protection, uprooting, transporting and planting of saplings, economics of mulberry nursery.	3
2.2	Establishment of mulberry garden- selection of land, planting material (sapling), planting density, planting system, pruning, intercultural operations, fertilizer doses, irrigation.	3
2.3	Integrated nutrient management Organic manures, compost, vermicompost, green manuring, fertilizers and application, biofertilizers (Nitrogen fixing Azotobacter biofertilizers, Phosphate solubilizing biofertilizers, VAM etc)	
3	Silkworm Rearing	
3.1	Different Silkworm races, Equipments for rearing, introduction to different rearing house for rearing, Disinfection of rearing house, different disinfectants and its use and its importance. (Physical disinfection and chemical disinfection ((Bleaching powder, formalin,	2



	chlorindioxide, astraetc) Five stages of silkworm.	
3.2	Chawki rearing Handling and transportation of silkworm eggs, leaf moisture estimation, brushing arrangement (calculation of hatching percentages, importance of silkworm rearing incubation, black boxing and its importance, time of brushing, number of feed, selection of leaf), requirement of rearing house for chawki (Young age rearing i.e. first two stages) creating microbe free environment and disinfection and its importance. maintenance of temperature, humidity and hygiene. Silkworm diseases and pest of young age and its management	4
4	Different diseases and Pest on silkworm Diseases- Pebrine, flecherie, muscardine-period of occurrence, symptoms, impact on rearing, control measures Pest-Uzi fly,	4
5	Practical- Mulberry plantation (nursery plantation, plantation)	3
6	Practical- Rearing of silkworm-disinfection, chawki rearing (black boxing, brushing, moulting) maintenance of temp and humidity during rearing at different season. late age rearing- Different stages of late age rearing, moulting i.e. identification of moult silkworm and care during moulting, use of bed disinfectant, branch feeding, spinning i.e. identification of silkworm going for spinning care during spinning, cocoon handling, packaging and transportation and marketing of cocoon.	10
7	Visit to sericulture unit	
	Total	30

BENEFITS OF LEARNING SERICULTURE

1. The learner understands the biology, varieties of silkworms and the basic techniques of silk production.



2. Important agro based Enterprise Adding Value in village.
3. Provides raw materials for other subsidiary enterprises.
4. Eco friendly activity.
5. Women friendly occupation.
6. Ideal programme for weaker sections of the society.

EVALUATION

Theory paper : 25 Marks

Practical paper : 25 Marks



Shirdi Sai Rural Institutes
Arts, Science and Commerce College, Rahata
“Skill development
Sericulture Certificate course”

Time-Table
Date: 04/04/2022 to 11/05/2022

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Time						
12.30 to 01.30	VRP	VRP	VRP	SDT	SDT	SDT

VRP: Dr. V. R. Pawade

SDT: Mr. S. D. Talole


Cordinator

Mr. S. D. Talole


Principal

Prof. S. V. Lahare

I/C PRINCIPAL

Art's, Science & Commerce College
Rahata, Dist. Ahmednagar

Shirdi Sai Rural Institutes
Arts, Science and Commerce College, Rahata
Skill development
Sericulture Certificate course
Student List

Sr. No.	Name of student	Class	
1	AabujSakshi Vijay	F.Y.B.Com	
2	AgrePavanPratap	F.Y.B.Com	
3	Aware RupamMachindra	F.Y.B.Com	
4	Aware TusharJalinder	F.Y.B.Com	
5	BankarPrashant	F.Y.B.Com	
6	BankarRupeshEknath	F.Y.B.Com	
7	Bothe RavinaNamdeo	F.Y.B.Com	
8	GadhaveKirtiNanasaheb	F.Y.B.Com	
9	GaikwadVidya Kailas	F.Y.B.Com	
10	Gore Mahesh Ravindra	F.Y.B.Com	
11	JagtapRavindraRatan	F.Y.B.Com	
12	JanjalSainatjKishor	F.Y.B.Com	
13	JejurkarSidharthVishnudas	F.Y.B.Com	
14	KasarRushikesh Ashok	F.Y.B.Com	
15	Kote Satyam Vijay	F.Y.B.Com	
16	LondheMayurBalasaheb	F.Y.B.Com	
17	Lute kalyanisunil	F.Y.B.Com	
18	Lute Mahesh Anil	F.Y.B.Com	
19	MehetreManojChandrabhan	F.Y.B.Com	
20	NaleAbhishek Sunil	F.Y.B.Com	
21	PanditShubhamRajendra	F.Y.B.Com	
22	RautRavinaEknath	F.Y.B.Com	
23	RohomVireshRamnath	F.Y.B.Com	
24	Shah Hamja Anwar	F.Y.B.Com	
25	SonawanePavanDevidas	F.Y.B.Com	
26	SuryawanshiAtharv Ramesh	F.Y.B.Com	
27	TargeGokulKisan	F.Y.B.Com	
29	TirseSamrudhi Ashok	F.Y.B.Com	
30	WagheNilesh Sanjay	F.Y.B.Com	

Shirdi Sai Rural Institutes
Arts Science and Commerce College, Rahata

“Skill Development Sericulture Certificate Course”

Feedback form

1. Name of the participant.

Agre pawan pradip

2. Class: f.y.B.com

3. How was the Content of Sericulture Course?

- Excellent
 Very Good
 Good
 Average

4. Information Delivered by Dr. V. R. Pawde Sir.

- Excellent
 Very Good
 Good
 Average

5. Information Delivered by Mr. S. D. Talole Sir.

- Excellent
 Very Good
 Good
 Average

6. How was the arrangement of Overall Course?

- Excellent
 Very Good
 Good
 Average

7. Any Suggestions?

NO.

Pawan P.

Shirdi Sai Rural Institutes
Arts Science and Commerce College, Rahata

“Skill Development Sericulture Certificate Course”

Feedback form

1. Name of the participant. Rohom Nitesh Ramnath

2. Class: FY. BCOM

3. How was the Content of Sericulture Course?

- Excellent
 Very Good
 Good
 Average

4. Information Delivered by Dr. V. R. Pawde Sir.

- Excellent
 Very Good
 Good
 Average


5. Information Delivered by Mr. S. D. Talole Sir.

- Excellent
 Very Good
 Good
 Average

6. How was the arrangement of Overall Course?

- Excellent
 Very Good
 Good
 Average

7. Any Suggestions? NO



Shirdi Sai Rural Institutes
Arts Science and Commerce College, Rahata

“Skill Development Sericulture Certificate Course”

Feedback Analysis

Sr. No	Feedback Analysis Opinion					
	Questions	Excellent	Very Good	Good	Average	Total
1	1. How was the Content of Sericulture Course?	25	5	--	--	30
		83.33	16.66			100%
2	2. Information Delivered by Dr. V. R. Pawde Sir.	27	2	1	--	30
		90.00	6.66	3.33		100%
3	3. Information Delivered by Mr. S. D. Talole Sir.	26	2	2	--	30
		86.66	6.66	6.66		100%
4	4. How was the arrangement of Overall Course?	25	3	2	--	30
		83.33	10	6.66		100%
5	Average Percentage	85.83	9.99	5.00		100%

Highlight of Feedback Analysis:

1. 85.83% participants strongly agree with all questions.
2. 09.99% participants were agreeing with all questions.
3. 05.00% participants unsure involvement.
4. 00.00% participants were disagreeing with all questions.

Principal,
Prof. S. V. Lahare



Shirdi Sai Rural Institute's
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NAAC Accredited "B++" Grade College

Recipient of "Best Rural College Award" from Student Welfare Board, University of Pune

Recipient of "Best Rural College Award" from University of Pune



Skill Development Course in Sericulture CERTIFICATE



This is certify that Mr./Miss. Aware Rupam Machindra.....

*has successfully completed certificate course in "Sericulture" organized by Department of Zoology.
Grade: A⁺*

Mr. S. D. Talole
Co- Cordinator

Dr. V. R. Pawade
Head Dept. of Zoology

Prof. S. V. Lahare
Principal



Shirdi Sai Rural Institute's
ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA.
Tal- Rahata, Dist-Ahmednagar (423107)



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NAAC Accredited "B++" Grade College

Recipient of "Best Rural College Award" from Student Welfare Board, University of Pune

Recipient of "Best Rural College Award" from University of Pune



Skill Development Course in Sericulture **CERTIFICATE**



This is certify that Mr./Miss. Agre pavan Pratap

*has successfully completed certificate course in "Sericulture" organized by Department of Zoology.
Gradz: A+*

Mr. S. D. Talole
Co- Cordinator

Dr. V. R. Pawade
Head Dept. of Zoology

Prof. S. V. Lahare
Principal



Kote Satyam vijay.
SHIRDI SAI RURAL INSTITUTE'S

**Arts, Science & Commerce
College, Rahata**

23
23
Bairi

Signature of Supervisor Seat No.
with date

Class S.Y.B.Com. Date 25/11/2002

("Start Writing From Here")

Service culture.

1) ~~D~~ De Flossing म्हणजे काय ?

→ Unrelaxing mass कोडण कळ्यांच्या प्रक्रिया म्हणजे de flossing.

2) रेशमान्या हांगा कोषा पासुन मीळवल्यासाठी कोणते तंत्र वापरले जाते ?

→ कोश उकळणे

3) रेशमान्या आळ्यांचे मुठ्या पासुन संरक्षण केल्यासाठी माडणीच्या पाया खात्री काय ठेवतात ?

→ ah walls

4) तुळीचे पाणे flush ठेवल्यासाठी काय वापरतात ?

→ leaf chamber

5) रेशम उद्योगा मध्ये पंढच्या पिसाच्या वापर कशासाठी करतात ?

→ पिसाच्या वापर Delicate larvi transfer केल्यासाठी करतात.

6) रेशम उद्योग करताना चलेकची सफाई केल्यासाठी कोणत्या पध्दती उपलब्धता जातात ?

→ पारंपारीक

7) रेशमान्या किड्यांना कोष लथार केल्यासाठी कोणते शाहित्य वापरले जाते ?

→ चंद्रिका

8) रेशमान्या किड्यामा पेशीय शेवांची लागवड झाल्या होतारे कसे असतात ?
→ छोटे पंथ आणि कुल्लेती संरिती

9)

10) मरुकारडींग होऊ नये म्हणुन कोणती पद्दत घेतली जाते?
→ वाढपाचे नियंत्रण

11) रेशमान्या किड्याचे विविध रेशे होऊ पैसे म्हणून त्याचे रोग ?
→ रोग कोणते.
→ $U24$ Fly, Dermestid Beetle.

12) रेशमी उत्पादना मध्ये भारतान्या किलवा कं लागते ?
→ पाचवा (5)

13) Stiffing म्हणजे काय ?
→ कोशा मधील $adwt$ मारल्याच्या प्रक्रियेला Stiffing झाले म्हणतात

14) मोरी कॅल्चर क्वास म्हणतात ?
→ लागवड आणि कापणी

15) कुलीची लागवड करताना पाणी देण्याची सोय झाले तर कोणत्या पद्धतीचा आवरण केला जातो ?
→ सरी पद्धत

16) कुलीच्या झाडाला झाकार मिळणे व पाणाचा दिव्या कुड्यात आणि उत्पादक वाढणीचे यारसही कोणते तंत्र वापरतात.

→ खाळी

17) तुतीचे पाठे कोवती पध्दत वापरण कमी मजुरी
बळीत काढली जातात. ?

→ Shoot cutting

18) रेशम उद्योगात शुक करताना कोवता वेळचा विचार
महत्त्वाचा आहे. ?
→ पासांची उपलब्धता

19) रेशम उद्योगात शुक करताना कोवता वेळ मजुरी
वापरले जाते. ?
→ मिरोची संस्थांची धारेदी

20) नविन संस्थांनी जुलार रेशमाच्या किड्यांना खाद्य देण्याच्या
वेळी कोवता ?
→ सकाळी 9, दुपारी 3, संध्याकाळी 5, रात्री 9

21) जगातील एकूण उत्पादन पैकी 95% उत्पादन हे कोवता
प्रकारच्या उत्पादनाचे आहे. ?
→ Mulberry silk

22) Mulberry silk तयार करणा साठी रेशमाच्या किड्यांनी
कोवती जाण सरल वापरतात. ?

→ Bom Box form
23) रेशमाच्या चार प्रकारा पैकी कोवता प्रकार हा
प्रकारात मोडतो. Mulberry.

→ Mulberry silk

24) लेडीज गारमेंट्स मेकला आणि चादर कोवता प्रकारच्या
रेशमा वापरून तयार करतात

→ Tussah silk.

क) भारतान कुतीन्दी लागवण करताना कोवती जाण वीवडकी जाते ?

→ monas indica

Shirdi Sai Rural Institutes
Arts, Science and Commerce College, Rahata
Department of Zoology
“Skill development
Sericulture Certificate course 2021-22”
Student Mark List

Sr. No.	Name of student	25 M	05 M	Total (30 M)	Grade
1	AabujSakshi Vijay	21	4	25	O
2	AgrePavanPratap	22	4	26	O
3	Aware RupamMachindra	23	5	28	O
4	Aware TusharJalinder	22	5	27	O
5	BankarPrashant	23	5	28	O
6	BankarRupeshEknath	21	4	25	O
7	Bothe RavinaNamdeo	22	4	26	O
8	GadhavKirtiNanasaheb	23	5	28	O
9	GaikwadVidya Kailas	21	4	25	O
10	Gore Mahesh Ravindra	22	5	27	O
11	JagtapRavindraRatan	22	4	26	O
12	JanjalSainatjKishor	21	4	25	O
13	JejurkarSidharthVishnudas	21	5	26	O
14	KasarRushikesh Ashok	23	5	28	O
15	Kote Satyam Vijay	23	5	28	O
16	LondheMayurBalasaheb	23	4	27	O
17	Lute kalyanisunil	21	4	25	O
18	Lute Mahesh Anil	22	4	26	O
19	MehetreManojChandrabhan	22	4	26	O
20	NaleAbhishek Sunil	22	5	27	O
21	PanditShubhamRajendra	21	5	26	O
22	RautRavinaEknath	21	5	26	O
23	RohomVireshRamnath	23	5	28	O
24	Shah Hamja Anwar	24	5	29	O
25	SonawanePavanDevidas	24	4	28	O
26	SuryawanshiAtharv Ramesh	22	5	27	O
27	TargeGokulKisan	21	4	25	O
29	TirseSamrudhi Ashok	23	5	28	O
30	WagheNilesh Sanjay	22	4	26	O

(Handwritten Signature)
HEAD

DEPARTMENT OF ZOOLOGY
Arts, Science & Commerce College
Rahata, Dist. Ahmednagar

Shirdi Sai Rural Institute's

**ARTS, SCIENCE AND COMMERCE COLLEGE,
RAHATA.**

Department of Botany

Certificate Course on Mushroom Cultivation

(18th April 2022 to 3rd May 2022)



Date: 28/03/2022

To,
The Principal,
SSRI's,
Arts, Science & Commerce College,
Rahata.

Subject: - Permission to conduct a certificate course entitled "**Mushroom Cultivation**".

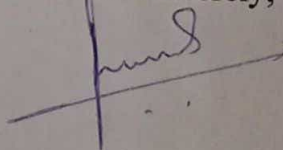
Respected Sir,

With reference to the above mentioned subject, Department of Botany of our college wants to conduct certificate course for undergraduate students of science faculty on "**Mushroom Cultivation**". The duration of the course will be 13 working days (3 Hrs).

So its request to you, please give the permission to run this certificate course in the second semester of the academic year 2021-22.

Thank you.

Yours Sincerely,



Dr. V. S. Patil
Co-ordinator

Allowed
Patil
28/3/2022





Shirdi Sai Rural Institutes

Arts Science and Commerce College Rahata.

Department of Botany



Mushroom Cultivation

Objective:

- To identify edible and poisonous mushrooms.
- Offer hands on training for the preparation of bed for mushroom cultivation and Spawn production.
- Encourage the students to learn a resources of self-employment and income generation.

Outcomes:

1. Identify edible types of mushroom.
2. They gain the knowledge of cultivation of different types of edible mushrooms.
3. They are able to produce spawn.
4. Acquire the knowledge of self-employment and income generation.
5. Gain the awareness about value added products of Mushroom i.e. preparation of Mushroom Pickle, Powder, Papad and different items of Food.

Dr. V. S. Patil

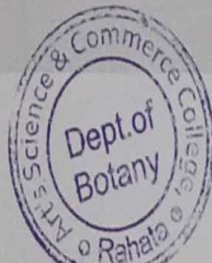
Co- Ordinator

Mob.No.7744051337

Prof. S. V. Lahare

Principal

Mob.No. 9011254449



'Shirdi Sai Rural Institute's'

ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA



Tal- Rahata, Dist-Ahmednagar (423107)
(University of Pune Affiliated ID No. PU/AN/ASC/052/1997)
NAAC Track ID- MH-COGN80225
Mobile- 9766767125, 9657400677
Email: rahatacollege@rediffmail.com
Website: Website: www.ascradata.org



Recipient of "Best Rural College Award" from University of Pune (2012-13)

Recipient of "Best Rural College Award" from Student Welfare Board, University of Pune (2011-12)

"NAAC RE-ACCREDITED "B++" GRADE COLLEGE"

ASCCR/IQAC/SDB/2021-22/

Date: 29/03/2022.

To,

Dr. M.N. Khaide
P.V.P. College
Pravaranagar

Subject: - Regarding an invitation as a subject expert for syllabus framing workshop.

Respected Sir,

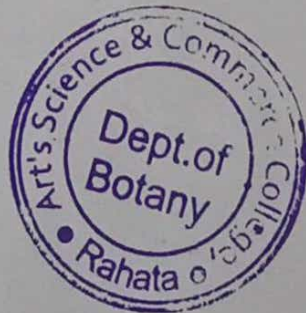
We are pleased to inform that you are cordially invited to the syllabus framing workshop of a certificate course on "Mushroom Cultivation" as a Subject Expert which will be held on 18th April 2022 to 3rd May, 2022 in our College.

The workshop is scheduled on 01/04/2022, Friday at 11:00am to 01:00pm in the department of Botany of Arts, Science and Commerce College, Rahata.

We sincerely hope that you will be able to confirm your presence for this syllabus framing workshop. We look forward to your presence.

Thanking you,

(Dr. V. S. Patil)
Co-ordinator



Yours Sincerely,

(Prof. S. V. Lahare)
Principal

'Shirdi Sai Rural Institute's'

ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA



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"NAAC RE-ACCREDITED "B++" GRADE COLLEGE"

ASCCR/IQAC/SDB/2021-22/

Date: 29/03/2022.

To,

Dr. A.S. Habale
P.V.P. college
Pravatnagar

Subject: - Regarding an invitation as a subject expert for syllabus framing workshop.

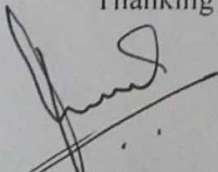
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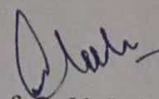
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Thanking you,


(Dr. V. S. Patil)
Co-ordinator



Yours Sincerely,


(Prof. S. V. Lahare)
Principal

'Shirdi Sai Rural Institute's'

ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA



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"NAAC RE-ACCREDITED "B++" GRADE COLLEGE"

ASCCR/IQAC/SDB/2021-22/

Date: 29/03/2022.

To,

Prof. S.V. Lahare

A.S.C. college

Rahata.

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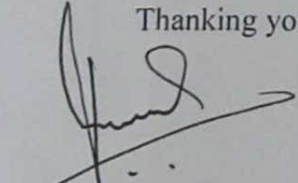
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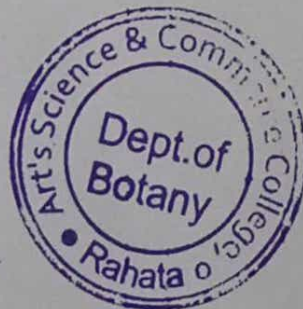
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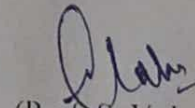
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Thanking you,


(Dr. V. S. Patil)
Co-ordinator



Yours Sincerely,


(Prof. S. V. Lahare)
Principal

Received
29/3/2022

'Shirdi Sai Rural Institute's'

ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA



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ASCCR/IQAC/SDB/2021-22/

Date: 29/03/2022.

To,

Dr. V. S. Patil

A. S. C college

Rahata

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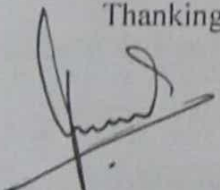
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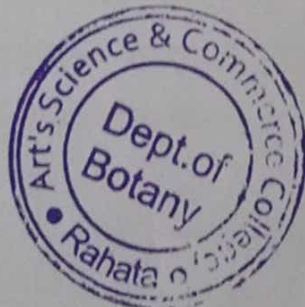
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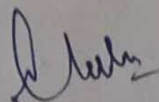
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Thanking you,


(Dr. V. S. Patil)
Co-ordinator



Yours Sincerely,


(Prof. S. V. Lahare)
Principal

Received.
VSP

Syllabus of Certificate course on Mushroom Cultivation

Chapter 1: Introduction to mushrooms (3 hours)

- History and Scope of mushroom cultivation,
- Types of mushrooms- Edible and Poisonous Mushrooms

Chapter 2: Principles of mushroom cultivation (8 Hours)

- Sterilization of substrates.
- Spawn production - culture media preparation- production of pure culture, mother spawn, and multiplication of spawn.
- Composting technology
- Mushroom bed preparation.
- Spawning.
- Irrigation.
- Harvesting.
- Difficulties in cultivation – Pest and Diseases, their management strategies.

Chapter 3: Business and Marketing (6 Hours)

- Choice of mushrooms for the small grower
- Minimum resources needed to start production
- Capital outlay
- Retail expectations
- Profit margins;
- Small business models

Module 4: Post harvest technology: (6 Hours)

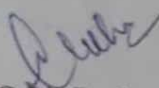
- Preservation of mushrooms - freezing, dry freezing, drying, canning,
- Value added products of mushrooms.

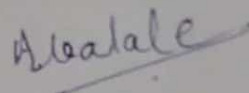
Module 5: Training and Workshop (7 Hours)


- Sterilization and sanitation of mushroom cultivation room,
- Introduction of Instruments used
- Substrates (Bed) preparation
- Preparation of mother culture,
- Spawn production, Inoculation and Incubation

Name of Subject Expert for Syllabus Framing Workshop.


Dr.M. N. Kharde


Prof S. V. Lahare


Dr.A. S. Wabale


Dr. V. S. Patil

O/C.

'Shirdi Sai Rural Institute's'

ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA



Tal- Rahata, Dist-Ahmednagar (423107)
(University of Pune Affiliated ID No. PU/AN/ASC/052/1997)
NAAC Track ID- MH-COGN80225
Mobile- 9766767125, 9657400677
Email: rahatacollege@rediffmail.com
Website: Website: www.ascrAhata.org



Recipient of "Best Rural College Award" from University of Pune (2012-13)
Recipient of "Best Rural College Award" from Student Welfare Board, University of Pune (2011-12)

"NAAC RE-ACCREDITED "B++" GRADE COLLEGE"

ASCCR/IQAC/SDB/2021-22/32

Date: 29/03/2022.

To,

Jay Pathave
M.D. Premium
Mushroom

Subject: - Regarding an invitation as a resource person for training programme on Mushroom Cultivation.....

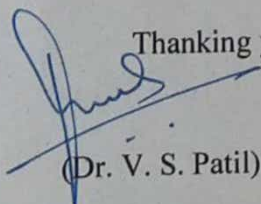
Respected Sir,

We are pleased to inform that our college is going to organize 15 days certificate course on Mushroom cultivation during 18th April 2022 to 3rd May, 2022. For this purpose you are cordially invited as a resource person for training programme on "Mushroom Cultivation" which is the part of practical session of the course.

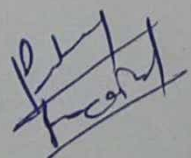
The training programme is scheduled on 25/04/2022, Monday at 10:00am the department of Botany of Arts, Science and Commerce College, Rahata.

We sincerely hope that you will be able to confirm your presence for training programme. We look forward to your presence.

Thanking you,


(Dr. V. S. Patil)

Co-ordinator





Yours Sincerely,

(Prof. S. V. Lahare)

Principal

o/c

'Shirdi Sai Rural Institute's'

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"NAAC RE-ACCREDITED "B++" GRADE COLLEGE"

ASCCR/IQAC/SDB/2021-22/32

Date: 29/03/2022.

To,
Prof. Varpe S.N.
Nutan Arts, Commerce
& Science college, Rajapur

Subject: - Regarding an invitation as a resource person for training programme on Mushroom Cultivation.....

Respected Sir,

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Thanking you,

(Dr. V. S. Patil)

Co-ordinator

Yours Sincerely,
(Prof. S. V. Lahare)

Principal



Received
[Signature]

o/c

'Shirdi Sai Rural Institute's'

ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA



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"NAAC RE-ACCREDITED "B++" GRADE COLLEGE"

Date: 29/03/2022.

ASCCR/IQAC/SDB/2021-22/32

To,
Ravindra Ghane
CEO,
Premium Mushroom.

Subject: - Regarding an invitation as a resource person for training programme on Mushroom Cultivation.....

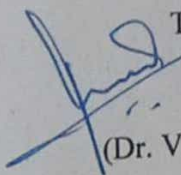
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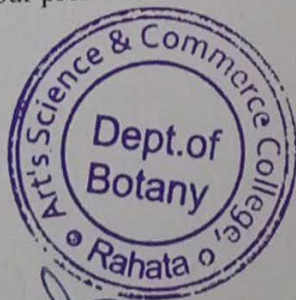
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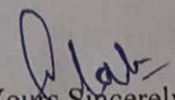
We sincerely hope that you will be able to confirm your presence for training programme. We look forward to your presence.

Thanking you,


(Dr. V. S. Patil)

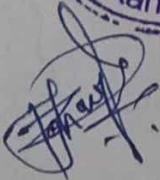
Co-ordinator




Yours Sincerely,

(Prof. S. V. Lahare)

Principal



'Shirdi Sai Rural Institute's'

ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA



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"NAAC RE-ACCREDITED "B++" GRADE COLLEGE"

ASCCR/IQAC/SDB/2021-22/ 33A

Date: 25/04/2022

To,

Mr. Jay Pathave
Premium Mushrooms.

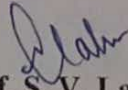
Subject: Regarding appreciation ...

Dear Sir,

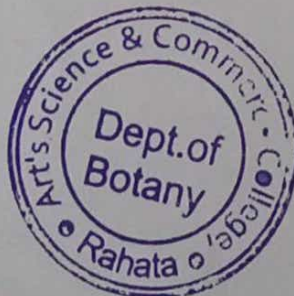
We would like to formally and sincerely express our gratitude for the amazing work you accomplished during the training program on "Mushroom cultivation" held on 25th April, 2022 organized by Department of Botany, Arts, Science and Commerce College, Rahata.

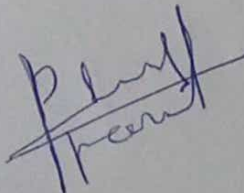
Thank you for your very valuable training. Our students really enjoyed it, and appreciated that you made it very beneficial.

Thank you once again for your wisdom, experience and personable presentation.


Prof. S. V. Lahare

I/C PRINCIPAL
I/C Principal
Art's, Science & Commerce College
Rahata, Dist Ahmednagar





'Shirdi Sai Rural Institute's'

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"NAAC RE-ACCREDITED "B++" GRADE COLLEGE"

ASCCR/IQAC/SDB/2021-22/ 33 A

Date: 25/04/2022

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Prof. S.N. Varpe.
Nutan Arts, Commerce
& Science college, Rajapur.

Subject: Regarding appreciation ...

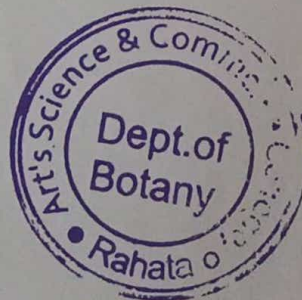
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Received
[Signature]



Prof. S. V. Lahare

H/O PRINCIPAL
Art's, Science & Commerce College
Rahata, Dist Ahmednagar

'Shirdi Sai Rural Institute's'

ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA



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"NAAC RE-ACCREDITED "B++" GRADE COLLEGE"

ASCCR/IQAC/SDB/2021-22/ 33A

Date: 25/04/2022

To,

Mr. Ravindra Ghane
Premium mushrooms.

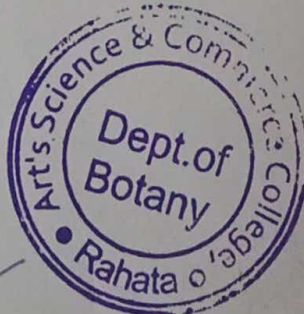
Subject: Regarding appreciation ...

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Prof. S. V. Lahare

I/C PRINCIPAL
I/C Principal
Art's, Science & Commerce College
Rahata, Dist Ahmednagar

Received.
for S.H. Vazpe.
S.H. Vazpe

Shirdi Sai Rural Institute's
ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA.

Department of Botany

Certificate course on "Mushroom Cultivation"

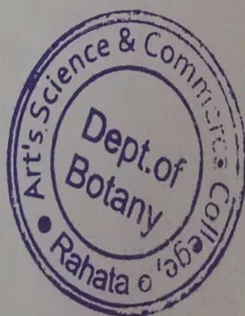
Course Objectives

- To identify edible and poisonous mushrooms.
- Offer hands on training for the preparation of bed for mushroom cultivation and Spawn production.
- Encourage the students to learn a resources of self-employment and income generation.

Course outcome

By the successfully completion of the course, students will be able to:

- Identify edible types of mushroom.
- They gain the knowledge of cultivation of different types of edible mushrooms.
- They are able to produce spawn.
- Acquire the knowledge of self-employment and income generation.
- Gain the awareness about value added products of Mushroom i.e. preparation of Mushroom Pickle, Powder, Papad and different items of Food.

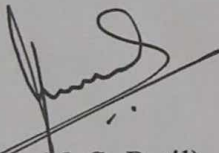


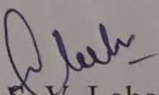
Date: 29/03/2022

Shirdi Sai Rural Institute's
ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA.
Department of Botany

STUDENT NOTICE

All the First year and second year students of Science faculty of our college are hereby informed that, Department of Botany will be conducted Certificate Course on "Mushroom Cultivation" from 18th April 2022 to 3rd May 2022. The course gives information about the types of mushrooms, edible mushroom cultivation, mushroom processing and marketing, mushroom product.


(Dr. V. S. Patil)
Co-ordinator


(Prof. S. V. Lahare)
Principal



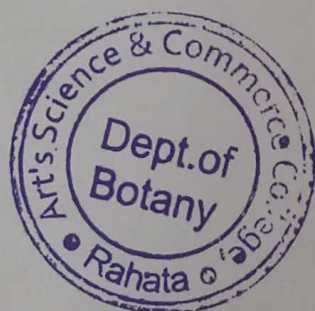
Shirdi Sai Rural Institute's
ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA.

Department of Botany
Certificate Course on Mushroom Cultivation
(18th April, 2022 to 3rd May, 2022)

Time Table

Date	Class	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
18/04/2022 to 03/05/2022	F.Y and S.Y B.Sc	3.00pm – 5.00 pm	3.00pm – 5.00 pm	3.00pm – 5.00 pm	3.00pm – 5.00 pm	3.00pm – 5.00 pm	3.00pm – 5.00 pm

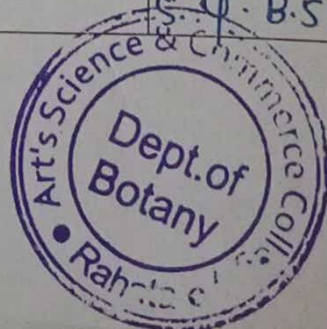
Note- On 25 April 2022 full day session (Practical on Mushroom Cultivation) will be conducted



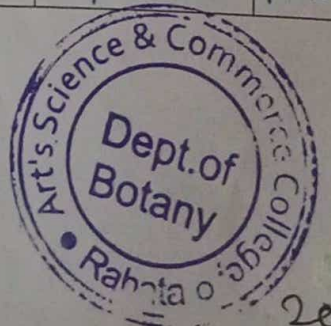
**List of the students Enrolled for certificate course on
"Mushroom Cultivation"**

18/04/2022 to 03/05/2022

Sr.No.	Name of The Student	Class	Contact No.	Signature
1.	Agre Anushka Rajendra	S.Y.BSC	8080851531	Agre
2.	Ambhore Shrijit Prahlad	S.Y.B.SC	9356876499	Shrijit
3.	Badhe Anuja Mohan	S.Y.BSC	9921128893	Badhe
4.	Bhagwat Sakshi Ganesh	FY BSc	9503561518	Sakshi
5.	Bhalerao Siya Ashok	SYBSC	9527033352	Siya
6.	Borde Amruta Subhash	TY.BSC	8856001097	Amruta
7.	Bothe Rutuja Sunil	SYBSC	9356519305	Rutuja
8.	Cholke Rushikesh N.	S.Y.B.Sc	8847732531	Rushikesh
9.	Cholke Suvarna Gorakshnath	S.T. B.Sc.	8080544745	Suvarna
10.	Dange Pooja Ashok	S.Y.BSC.	9834312828	Pooja
11.	Dateer Shital Shivram	FY.BSC	9923558231	Shital
12.	Dhokane Akshay Sanjay	S.Y.B.S.C	9527402365	Akshay
13.	Gadekar Kajal Balasaheb	S.Y.BSC	8624903817	Kajal
14.	Gadekar Rutuja Ravindra	S.T. B.Sc.	8975965492	Rutuja
15.	Gadhawe Aishwarya Vilas	Ty.bsc	9579653493	Aishwarya
16.	Gadhawe Varsha Vilas	TyBsc	9763783539	Varshapahre
17.	Game Rutuja Vishwanath	S.Y.BSC	8855042396	Rutuja
18.	Gangad Sapana Bharat	FYBSC	9096455096	Sapana S.B.
19.	Ghorpade Kaveri Ravsaheb	FY BSC	7057758941	Kaveri
20.	Golhar Anil Indrabhan	S.Y.B.S.C.	8806487423	Anil
21.	Golhar Babasaheb A.	S.T. B.Sc.	9697845949	Babasaheb
22.	Golhar Krushna Annasaheb	S.Y.BSC	9172505476	Krushna
23.	Gunjal Chanchal Sudhakar	S.Y. BSC	7498921744	Chanchal
24.	Inamdar Arbaj Shakil	S.Y. B.S.C	7666516179	Arbaj



25.	Jejurkar Manasi Ashok	SY BSC	7058644106	Manasi
26.	Jejurkar Saurabh Dattatraya	Sy. BSC	7249586143	Saurabh
27.	Jorvekar Vaibhav Navneet	SY. BSC.	7820878943	Vaibhav
28.	Kadam Nikita Prakash	F.Y. BSC	8999307541	Kadam N.P.
29.	Kale Shubham Prakash	Sy. BSC.	8380819580	Shubham
30.	Koktare Pratiksha Datta	S.Y. B. SC	8908837662	Pratiksha
31.	Kolapkar Gaytri Pandit	SY. BSC	8432991760	Gaytri
32.	Lahare Aditya Laxman	SY. BSC	9850733092	Aditya
33.	Momale Diya Govind	S.Y. B. SC	8261953687	Momale D. G
34.	More Kajal Shivaji	F.Y. B. SC	9881562670	Kajal
35.	More Sonam Keshav	F.Y. BSC	9762223229	Sonam
36.	Nale Sapana Sunil	S.Y. B. SC	7822071976	Sapana
37.	Nale Swati Babu	S.Y. B. SC.	9562897675	Swati
38.	Nale Tejas Rajendra	SY. BSC	9307303318	Tejas
39.	Nimse Shraddha Dyaneshwar	T.Y. BSC.	9022275055	Nimse S.D
40.	Nirmal Mayuri Machhindra	S.Y. BSC	9359871717	Mayuri
41.	Parkhe Priti Raju	S.T. B. SC.	9652965040	Priti
42.	Rohom Sonali Chandrakant	F.X. BSC	7218762864	Rohom S.C.
43.	Sadaphal Sailee Kailas	F.Y. BSC	9322145741	Sailee
44.	Salunke Ajinkya Kacharu	S.Y. BSC	9022082265	A.K. Salunke
45.	Shaikh Rukaya Harun	S.Y. BSC	7499544641	Rukaya
46.	Somavanshi Shraddha Santosh	F.Y. B. SC	9450396972	Somavanshi S.
47.	Sonawane Anuj Sanjay	SY. BSC	9421230060	Anuj
48.	Sonule Kajal Navnath	F.Y. BSC	8999766399	Kajal
49.	Sulakhe Ashwini Dnyandeo	S.Y. BSC.	9156560989	Ashwini
50.	Thorat Jaydatta Rajesh	S.Y. BSC	9356696473	Jaydatta
51.	Tribhan Ramesh Radhakisan	S.Y. B. SC	9373472889	Ramesh
52.	Tribhuvan Nandini Nansaheb	SY. B. SC	7620752262	Nandini



53.	Tribhuvan Priti Babasaheb	S.Y. BSC	8999184719	Tribhuvan.P.B
54.	Tribhuvan Rohit Kiran	S.Y. BSC	9921939731	Rohit.K
55.	Varpe Pratiksha Sanjay	S.Y. BSC	8329774419	Pratiksha
56.	Waghe Krutika Sonyabapu	S.Y. B.S.C.	9822743593	Krutika
57.	Waghe Sakshi Shankar	S.Y. BSC	9307667611	Sakshi
58.	Wahadne Gauri Kishor	S.Y. B.S.C.	8805153920	Gauri
59.	Wakchaure Sumit Jalindar	S.Y. B.S.C.	9579254232	Sumit
60.	Wani Abhijit Ashok	S.Y. BSC	9336973979	Abhijit
61.	Wani Makrand Sunil	S.Y. B.S.C.	9022979433	Wani.M.S.
62.	Yadav Amruta Shrirang	S.Y. B.S.C.	7498539383 88053	Amruta
63.	Yadav Nikita Balasaheb	F.Y. B.S.C.	9322884100	Nikita
64.	Khapte Akanksha Moxind	S.Y. B.S.C.	9699799458	Akhapte
65.	Jejurkar Sachin Raosaheb	S.Y. B.S.C.	7620639155	Sachin
66.	Jejurkar Akash Subhan	S.Y. B.S.C.	937388183	Akash
67.	Bawake Gayatri Ashok	F.Y. B.S.C.	9021552209	Gayatri.A.B.
68.	Kandam Ashutosh Rajendra	F.Y. B.S.C.	9309822338	Ashu
69.	Shaikh Aafiq Riyaz	F.Y. B.S.C.	9209890783	Shaikh
70.				
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(Dr. V. S. Patil)



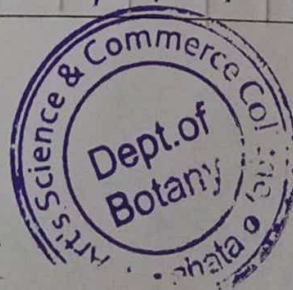
**List of the students Enrolled for Training programme on
"Mushroom Cultivation"**

Date- 18/04/2022 to 03/05/2022

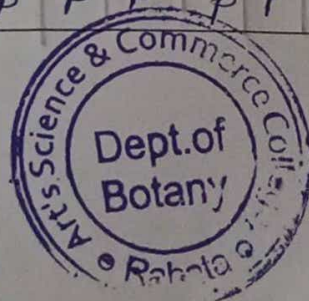
Time: 3.00pm-5.00pm

25/04/2022 - Training programme.

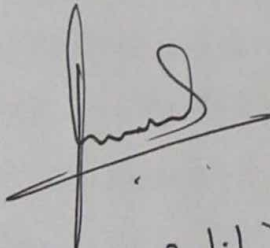
Sr.No.	Name of The Student	18/04	19/04	20/04	21/04	22/04	23/04	25/04	26/04	27/04	28/04	29/04	30/04	01/05	03/05
1.	Agre Anushka Rajendra	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2.	Ambhore Shrijit Prahlad	P	P	P	P	P	P	P	P	P	P	P	P	P	P
3.	Badhe Anuja Mohan	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4.	Bhagwat Sakshi Ganesh	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5.	Bhalerao Siya Ashok	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6.	Borde Amruta Subhash	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7.	Bothe Rutuja Sunil	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8.	Cholke Rushikesh N.	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9.	Cholke Gorakshnath	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10.	Dange Pooja Ashok	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11.	Dateer Shital Shivram	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12.	Dhokane Akshay Sanjay	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13.	Gadekar Kajal Balasaheb	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14.	Gadekar Rutuja Ravindra	P	P	P	P	P	P	P	P	P	P	P	P	P	P
15.	Gadhawe Aishwarya Vilas	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16.	Gadhawe Varsha Vilas	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17.	Game Rutuja Vishwanath	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18.	Gangad Sapana Bharat	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19.	Ghorpade Kaveri Ravsaheb	P	P	P	P	P	P	P	P	P	P	P	P	P	P
20.	Golhar Anil Indrabhan	P	P	P	P	P	P	P	P	P	P	P	P	P	P
21.	Golhar Babasaheb A.	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22.	Golhar Krushna Annasaheb	P	P	P	P	P	P	P	P	P	P	P	P	P	P
23.	Gunjal Chanchal Sudhakar	P	P	P	P	P	P	P	P	P	P	P	P	P	P



		18/04	19/04	20/04	21/04	22/04	23/04	25/04	26/04	27/04	28/04	29/04	30/04	02/05	03/05
24.	Inamdar Arbaj Shakil	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25.	Jejurkar Manasi Ashok	P	P	P	P	P	P	P	P	P	P	P	P	P	P
26.	Jejurkar Saurabh Dattatraya	P	P	P	P	P	P	P	P	P	P	P	P	P	P
27.	Jorvekar Vaibhav Navneet	P	P	P	P	P	P	P	P	P	P	P	P	P	P
28.	Kadam Nikita Prakash	P	P	P	P	P	P	P	P	P	P	P	P	P	P
29.	Kale Shubham Prakash	P	P	P	P	P	P	P	P	P	P	P	P	P	P
30.	Koktare Pratiksha Datta	P	P	P	P	P	P	P	P	P	P	P	P	P	P
31.	Kolapkar Gaytri Pandit	P	P	P	P	P	P	P	P	P	P	P	P	P	P
32.	Lahare Aditya Laxman	P	P	P	P	P	P	P	P	P	P	P	P	P	P
33.	Momale Diya Govind	P	P	P	P	P	P	P	P	P	P	P	P	P	P
34.	More Kajal Shivaji	P	P	P	P	P	P	P	P	P	P	P	P	P	P
35.	More Sonam Keshav	P	P	P	P	P	P	P	P	P	P	P	P	P	P
36.	Nale Sapana Sunil	P	P	P	P	P	P	P	P	P	P	P	P	P	P
37.	Nale Swati Babu	P	P	P	P	P	P	P	P	P	P	P	P	P	P
38.	Nale Tejas Rajendra	P	P	P	P	P	P	P	P	P	P	P	P	P	P
39.	Nimse Shradha Dyaneshwar	P	P	P	P	P	P	P	P	P	P	P	P	P	P
40.	Nirmal Mayuri Machhindra	P	P	P	P	P	P	P	P	P	P	P	P	P	P
41.	Parkhe Priti Raju	P	P	P	P	P	P	P	P	P	P	P	P	P	P
42.	Rohom Sonali Chandrakant	P	P	P	P	P	P	P	P	P	P	P	P	P	P
43.	Sadaphal Sailee Kailas	P	P	P	P	P	P	P	P	P	P	P	P	P	P
44.	Salunke Ajinkya Kacharu	P	P	P	P	P	P	P	P	P	P	P	P	P	P
45.	Shaikh Rukaya Harun	P	P	P	P	P	P	P	P	P	P	P	P	P	P
46.	Somavanshi Shradha Santosh	P	P	P	P	P	P	P	P	P	P	P	P	P	P
47.	Sonawane Anuj Sanjay	P	P	P	P	P	P	P	P	P	P	P	P	P	P
48.	Sonule Kajal Navnath	P	P	P	P	P	P	P	P	P	P	P	P	P	P
49.	Sulakhe Ashwini Dnyandeo	P	P	P	P	P	P	P	P	P	P	P	P	P	P
50.	Thorat Jaydatta Rajesh	P	P	P	P	P	P	P	P	P	P	P	P	P	P



		18/04	19/04	20/04	21/04	22/04	23/04	25/04	26/04	27/04	28/04	29/04	30/04	02/05	03/05
51.	Tribhan Ramesh Radhakisan	P	P	P	P	P	P	P	P	P	P	P	P	P	P
52.	Tribhuvan Nandini Nansaheb	P	P	P	P	P	P	P	P	P	P	P	P	P	P
53.	Tribhuvan Priti Babasaheb	P	P	P	P	P	P	P	P	P	P	P	P	P	P
54.	Tribhuvan Rohit Kiran	P	P	P	P	P	P	P	P	P	P	P	P	P	P
55.	Varpe Pratiksha Sanjay	P	P	P	P	P	P	P	P	P	P	P	P	P	P
56.	Waghe Krutika Sonyabapu	P	P	P	P	P	P	P	P	P	P	P	P	P	P
57.	Waghe Sakshi Shankar	P	P	P	P	P	P	P	P	P	P	P	P	P	P
58.	Wahadne Gauri Kishor	P	P	P	P	P	P	P	P	P	P	P	P	P	P
59.	Wakchaure Sumit Jalindar	P	P	P	P	P	P	P	P	P	P	P	P	P	P
60.	Wani Abhijit Ashok	P	P	P	P	P	P	P	P	P	P	P	P	P	P
61.	Wani Makrand Sunil	P	P	P	P	P	P	P	P	P	P	P	P	P	P
62.	Yadav Amruta Shrirang	P	P	P	P	P	P	P	P	P	P	P	P	P	P
63.	Yadav Nikita Balasaheb	P	P	P	P	P	P	P	P	P	P	P	P	P	P
64.	Khapte Akanksha Govind	P	P	P	P	P	P	P	P	P	P	P	P	P	P
65.	Jejurkar Sachin Raosaheb	P	P	P	P	P	P	P	P	P	P	P	P	P	P
66.	Jejurkar Akash Subhash	P	P	P	P	P	P	P	P	P	P	P	P	P	P
67.	Bawake Gayatri Ashok	P	P	P	P	P	P	P	P	P	P	P	P	P	P
68.	Kadam Ashutosh Rajendra	P	P	P	P	P	P	P	P	P	P	P	P	P	P
69.	Shaikh Aatik Riyaz	P	P	P	P	P	P	P	P	P	P	P	P	P	P


(Dr. v.s. puhil).




HEAD

Department Of Botany
Art's Science & Commerce College
Rahata, 423107

SHIRDI SAI RURAL INSTITUTE'S
ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA-423107
Department of Botany
Report on
“Certificate Course on Mushroom Cultivation”

Department of Botany of Arts, Science and Commerce College, Rahata, has been organized a “Certificate course on Mushroom Cultivation” during the period of 18th April 2022 to 3rd May 2022. This is a certificate course aims to provide subject-matter and manual knowledge on mushroom cultivation and to popularize its advantageous farm economics. It thoroughly describes and infuse the theory and practical knowledge on subject.

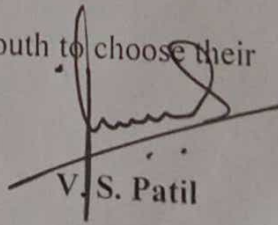
In this certificate course total 69 students were participated and they successfully completed the course. During the period of the course one day training programme on 25th April, 2022 was also organized for the practical knowledge of mushroom cultivation. Prof. Varpe S.N., Nutan Arts, Commerce and Science College, Rajapur Mr. Jay Pathave, Premium Mushroom and Mr. Ravindra Ghane CEO, Premium Mushroom were the Resource Persons for the Training Programme on Mushroom Cultivation. These resource persons guided and gave practical knowledge regarding mushroom cultivation to the students.

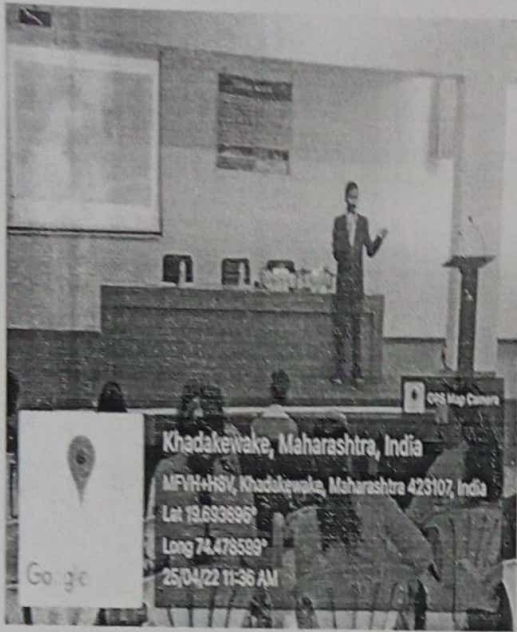
- Prof. Varpe S. N. delivered a talk on uses and significance of Mushroom Cultivation with the help of power point presentation.
- Mr. Jay Pathave, guided the students on Benefits and Marketing strategies of Mushroom Cultivation.
- Mr. Ravindra Ghane gave Practical Demonstration of Mushroom Cultivation.

Hon'ble Principal Mr. Sanjay V. Lahare gave the welcome speech and Introduction. Hon'ble Director Dr. M. N. Kharde, SSRI gave the presidential address. Dr. V. S. Patil, Assistant Professor, Department of Botany delivered the vote of thanks.

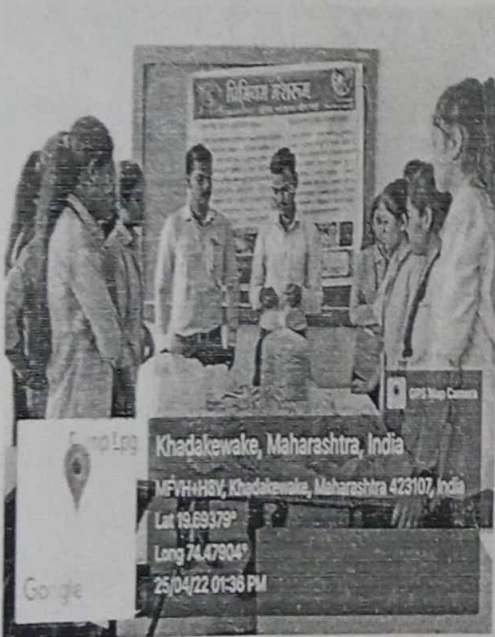
The certificate course was really fruitful and will definitely help the youth to choose their career.




V. S. Patil
Co-ordinator

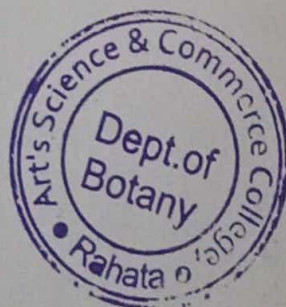


Power Point Presentation on Mushroom Cultivation



- Benefits and Marketing Strategies
- Practical Demonstration of Mushroom Cultivation

Cultivation



23
25
[Signature]

Shirdi Sai Rural Institute's
ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA.
Department of Botany
Test Paper for
Certificate Course on Mushroom Cultivation (2021-22)

Name - Bothe Rutuja sunil

Marks - 25

Class - SY BSC

Date - 03/05/2022

1. Mushroom belongs to class?

- a. Phyllophyceae b. Basidiomycetes c. Chlorophyceae d. None of these.

2. A mature Fruiting body of mushroom has following parts?

- a. Stipe b. Pileus c. Both a and b d. None of these.

3. Mushrooms contain amount of protein?

- a. 100% b. 10% c. 20-40% d. Negligible

4. Mushroom is..... Heterotrophic Fungus.

- a. Saprophytic fungi b. Autotrophic Algae c. Heterotrophic fungus d. None of these.

5. The poisonous or inedible species of fungi are known as,

- a. Mushrooms b. Bracket fungi c. Toad stools d. Saprophytic fungi

6. Mushroom are good source of..... protein.

- a. Protein b. Carbohydrates c. Fats d. None of these

7. Preservation methods of Mushroom are.....

- a. Pickling b. Canning c. Both a and b d. None of these

8. During Spawning temperature should be maintain between....

- a. 20-30 b. 55-70 c. 80-100 d. 0-10

9. Mushroom has.....

- a. Anticancer property b. Anti-aging property c. Antibiotic property d. All of the above.

10. Mushroom is a..... fungus.

- a. Pteridophytes b. Bryophytes c. Fungus d. Lichen

11. Short method of Mushroom compost preparation requires Days.

- a. 14-18 days b. 10 days c. 20 days d. 30 days

12. It grows during

- a. Summer season b. Wint ers c. Rainy Season d. In all Seasons

13. Component of Mushroom farm are

- a. Spawn unit b. Inoculation room c. Incubation room d. All of the above

14. Spawn is the of Mushroom.

- a. Spores b. Mycellium c. Fruits d. Both a and b

15. What is the mode of nutrition of Mushroom?

- a. Photosynthetic b. Chemosynthetic c. Saprophytic d. None of the above

Q.2 Write the Process of Mushroom Cultivation?

10M

→ 1) preparation of pure culture of pleurotus -

Requirement - Inoculum fruiting Body of pleurotus, some glass wares, Non-absorbent cotton, autoclave, laminar fresh flow cabinet, glucose, agar-agar powder, Distilled Water alcohol etc.

1) petriplate, glass rods and other glass wares were sterilized at 15 lb pressure for 120°C autoclave.

2) pleurotus ostreatus was taken as inoculum.

Preparation of PDA - 1) Boil 250 gm of potato 2) filter the help of the muslin cloth. 3) mixed with agar powder. 4) after autoclaving the medium is passed in sterilized petriplate.

2) spawn preparation - 1) bajra and jawar grains are Boiled with equal vol of water 2) the grains are spread in blotting paper. 3) 2% CaCO_3 powder added to grains and mixed uniformly, and maintain pH. 4) the mixture with filled polythene bag and plug tightly and sterilize autoclave 5) after sterilization, bottle are cool down completely. 6) after 15 days, the grain are covered with white mycelium, termed as spawn.

3) substrate preparation = oyster mushroom can be cultivated on a large number of agro-wastes. Rich cellulose and lignin correlated with more yield.

4) crop management

a) Incubation. spawned bag, tray or boxes are arranged in a dark, cropping room on raised platform.

b) Fruiting. the fungus is already fruiting, water is required develop Humidity and high dry matter.

c) Harvesting & yield. the right time picking can be judged by the shape and size fruiting body. Release spore by twisting left on beds.

20
25

Shirdi Sai Rural Institute's
ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA.
Department of Botany
Test Paper for
Certificate Course on Mushroom Cultivation (2021-22)

Marks- 25

Name - Khapte Aakanksha Govind

Class - 6.Y BSc

Date- 03/05/2022

1. Mushroom belongs to class?

- a. Phyllophyceae b. Basidiomycetes c. Chlorophyceae d. None of these.

2. A mature Fruiting body of mushroom has following parts?

- a. Stipe b. Pileus c. Both a and b d. None of these.

3. Mushrooms contain amount of protein?

- a. 100% b. 10% c. 20-40% d. Negligible

4. Mushroom is.....

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- a. Mushrooms b. Bracket fungi c. Toad stools d. Saprophytic fungi

6. Mushroom are good source of.....

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15. What is the mode of nutrition of Mushroom?

- a. Photosynthetic b. Chemosynthetic c. Saprophytic d. None of the above

Q.2 Write the Process of Mushroom Cultivation?

10M

→ flowchart for mushroom cultivation

The preparation of pure culture of pleurotus
by use of PDA



The spawn preparation by using wheat grains



substrate preparation by using various agro-wastes



Actual cultivation of mushroom by using spawn



Introduced in cut and boiled wheat straw in a
Plastic bag



Incubation for development of mycelium



fruiting after opening of the bag with fully
developed mycelium



Harvesting and yield

05

Department of Botany
Certificate Course on Mushroom Cultivation (2021-22)
Student Mark List

Sr.No.	Name of the Student	25 M	05 M	30 M
1.	Agre Anushka Rajendra	19	05	24
2.	Ambhore Shrijit Prahlad	20	05	25
3.	Badhe Anuja Mohan	20	05	25
4.	Bawake Gayatri Ashok	18	05	23
5.	Bhagwat Sakshi Ganesh	19	05	24
6.	Bhalerao Siya Ashok	18	05	23
7.	Borde Amruta Subhash	17	05	22
8.	Bothe Rutuja Sunil	23	05	28
9.	Cholke Rushikesh N.	17	05	22
10.	Cholke Suvarna Gorakshnath	18	05	23
11.	Dange Pooja Ashok	19	05	24
12.	Dateer Shital Shivram	20	05	25
13.	Dhokane Akshay Sanjay	17	05	22
14.	Gadekar Kajal Balasaheb	18	05	23
15.	Gadekar Rutuja Ravindra	19	05	24
16.	Gadhawe Aishwarya Vilas	19	05	24
17.	Gadhawe Varsha Vilas	19	05	24
18.	Game Rutuja Vishwanath	17	05	22
19.	Gangad Sapana Bharat	21	05	26
20.	Ghorpade Kaveri Ravsaheb	20	05	25
21.	Golhar Anil Indrabhan	18	05	23
22.	Golhar Babasaheb A.	18	05	23
23.	Golhar Krushna Annasaheb	19	05	24
24.	Gunjal Chanchal Sudhakar	20	05	25
25.	Inamdar Arbaj Shakil	20	05	25

26.	Jejurkar Sachin Raosaheb	17	05	22
27.	Jejurkar Akash Subhash	17	05	22
28.	Jejurkar Manasi Ashok	19	05	24
29.	Jejurkar Saurabh Dattatraya	18	05	23
30.	Jorvekar Vaibhav Navneet	19	05	24
31.	Kadam Ashutosh Rajendra	17	05	22
32.	Kadam Nikita Prakash	19	05	24
33.	Kale Shubham Prakash	17	05	22
34.	Khapte Akanksha Govind	20	05	25
35.	Koktare Pratiksha Datta	18	05	23
36.	Kolapkar Gaytri Pandit	17	05	22
37.	Lahare Aditya Laxman	17	05	22
38.	Momale Diya Govind	19	05	24
39.	More Kajal Shivaji	18	05	23
40.	More Sonam Keshav	18	05	23
41.	Nale Sapana Sunil	17	05	22
42.	Nale Swati Bapu	17	05	22
43.	Nale Tejas Rajendra	18	05	23
44.	Nimse Shraddha Dyaneshwar	19	05	24
45.	Nirmal Mayuri Machhindra	17	05	22
46.	Parkhe Priti Raju	18	05	23
47.	Rohom Sonali Chandrakant	19	05	24
48.	Sadaphal Sailee Kailas	18	05	23
49.	Salunke Ajinkya Kacharu	19	05	24
50.	Shaikh Aatik Riyaj	16	05	21
51.	Shaikh Rukaya Harun	18	05	23
52.	Somavanshi Shraddha Santosh	19	05	24
53.	Sonawane Anuj Sanjay	20	05	25

54.	Sonule Kajal Navnath	21	05	26
55.	Sulakhe Ashwini Dnyandeo	20	05	25
56.	Thorat Jaydatta Rajesh	18	05	23
57.	Tribhan Ramesh Radhakisan	19	05	24
58.	Tribhuvan Nandini Nansaheb	19	05	24
59.	Tribhuvan Priti Babasaheb	19	05	24
60.	Tribhuvan Rohit Kiran	20	05	25
61.	Varpe Pratiksha Sanjay	20	05	25
62.	Waghe Krutika Sonyabapu	21	05	26
63.	Waghe Sakshi Shankar	20	05	25
64.	Wahadne Gauri Kishor	21	05	26
65.	Wakchaure Sumit Jalindar	19	05	24
66.	Wani Abhijit Ashok	18	05	23
67.	Wani Makrand Sunil	18	05	23
68.	Yadav Amruta Shrirang	19	05	24
69.	Yadav Nikita Balasaheb	19	05	24

S. J. Patil
HEAD

Department Of Botany
Art's Science & Commerce College
Rahata, 423107



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**Shirdi Sai Rural Institute's
Arts, Sciences and Commerce College, Rahata**

Tal. Rahata, Dist. Ahmednagar
NAAC Reaccredited 'B++' Grade College

Department of Botany

Certificate

This certificate is awarded to

Mr./Ms. _____

of Class _____ for successful completion of the certificate course on

*"Mushroom Cultivation" of 13 working days (31Hrs) duration organized by the Department of Botany,
Arts, Science and Commerce College, Rahata from 18/04/2022 to 03/05/2022.*

Dr. Varsha S. Patil
Co-ordinator

Prof. Sanjay .V. Lahare
I/C- Principal



**Shirdi Sai Rural Institute's
Arts, Sciences and Commerce College, Rahata**

Tal. Rahata, Dist. Ahmednagar
NAAC Reaccredited 'B++' Grade College

Department of Botany

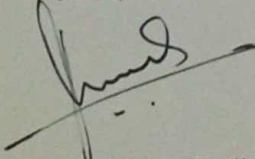
Certificate

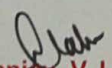
This certificate is awarded to

Mr./Ms. Sonawane Anuj Sanjay

of Class 5Y-Bsc for successful completion of the certificate course on

*"Mushroom Cultivation" of 13 working days (31Hrs) duration organized by the Department of Botany,
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Dr. Varsha S. Patil
Co-ordinator


Prof. Sanjay V. Lahare
I/C- Principal



'Shirdi Sai Rural Institute's'

ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA
Certificate Course on Mushroom Cultivation

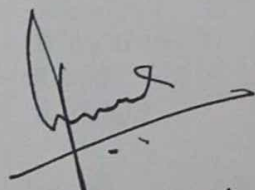
Under
Department of Botany
2021-22.

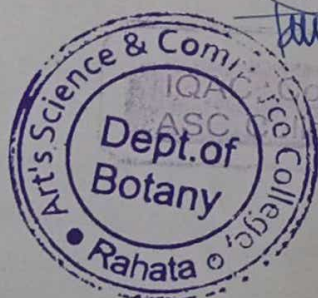
Feedback Analysis

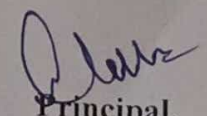
Sr. No	Feedback Analysis Opinion					
	Questions	Excellent	Very Good	Good	Average	Total
1	Do you feel that your Knowledge or skills have improved by taking the course?	62	05	02	--	69
		89.85%	7.24%	2.89%	--	100%
2	Was the course easy to follow?	55	10	04	--	69
		79.71%	14.49%	5.79%	--	100%
3	Did you feel comfortable expressing your problems to your trainer?	65	03	01	--	69
		94.20%	4.34%	1.44%	--	100%
4	Was your trainer prepared for class?	67	02	-	--	69
		97.10%	2.89%	-	--	100%
5	How was the Overall arrangement of Mushroom Cultivation?	69	-	-	-	69
		100%	-	-	-	
	Average Percentage	92%	6%	2%	--	100%

Highlight of Feedback Analysis:

1. 92% participants strongly agree with all questions.
2. 6% participants were agreeing with all questions.
3. 2% participants' unsure involvement.
4. 0% participants were disagreeing with all questions.


Dr. V. S. Patil,
Co-ordinator




Principal,
Prof. S.V. Lahare

Shirdi Sai Rural Institute's'
ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA
Certificate Course on Mushroom Cultivation
Under
Department of Botany
Feedback form
2021-22.

Name of the participant- Waghe Krutika Sonyabapu
Class: SY BSC

Q.1 Do you feel that your Knowledge or skills have improved by taking the course?

- Excellent
- Very Good
- Good
- Average

Q.2 Was the course easy to follow?

- Excellent
- Very Good
- Good
- Average

Q.3 Did you feel comfortable expressing your problems to your trainer?

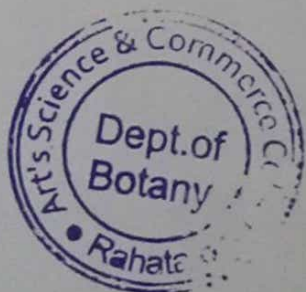
- Excellent
- Very Good
- Good
- Average

Q.4 Was your trainer prepared for class?

- Excellent
- Very Good
- Good
- Average

Q.5 How was the Overall arrangement of Mushroom Cultivation?

- Excellent
- Very Good
- Good
- Average



Waghe

Shirdi Sai Rural Institute's'
ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA
Certificate Course on Mushroom Cultivation
Under
Department of Botany
Feedback form
2021-22.

Name of the participant- *cholke suvarna Gorakshnath*
Class: *S.Y BSc*

Q.1 Do you feel that your Knowledge or skills have improved by taking the course?

- Excellent
- Very Good
- Good
- Average

Q.2 Was the course easy to follow?

- Excellent
- Very Good
- Good
- Average

Q.3 Did you feel comfortable expressing your problems to your trainer?

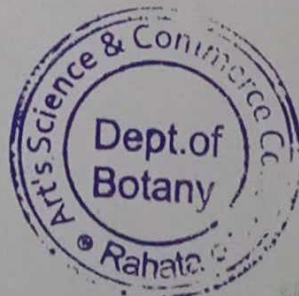
- Excellent
- Very Good
- Good
- Average

Q.4 Was your trainer prepared for class?

- Excellent
- Very Good
- Good
- Average

Q.5 How was the Overall arrangement of Mushroom Cultivation?

- Excellent
- Very Good
- Good
- Average



Suvarna

Meeting.

28/03/2022

All the Faculty Members of the Department of Botany are informed that departmental Meeting will be held on 1/03/2022 at 10:00 am in the department of Botany.

Agenda -

- 1) Discussion about the permission for certificate course.
- 2) Duration & time table setting for certificate course.
- 3) Syllabus framing about certificate course.

Staff. -

1) Prof. S. V. Lahare (Chair)

2) Dr. V. S. Patil

3) Prof. R. A. Desai

(R. A. Desai)

HEAD

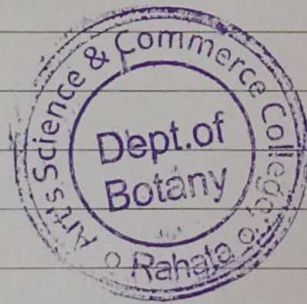
Department Of Botany
Art's Science & Commerce College
Rahata-423107

Minutes - In Meeting discussion about the permission for Mushroom cultivation certificate course, Dr. V. S. Patil & Tadorn was appointed as a co-ordinator for certificate course & conduct the course.

- For the course date & duration was discussed as follows - date - 18 April 2022 - 3 May 2022 for 15 day (30 hours)
- Prof. S.V. Lahare & Dr. V.S. Patil from the syllabus for the respective course.
- All S.Y. B.Sc students included for the certificate course.

[Signature]
HEAD

Department Of Botany
Art's Science & Commerce College
Rahata. 423107



SSRI'S

Arts, Science and Commerce College, Rahata

Department of Economics

Certificate Course File

Academic Year 2021-2022

Title of Course	Introduction to Banking
Organized by	Department of Economics ,A.S.C. College Rahata
Place	Department of Economics ,A.S.C. College Rahata
Duration	30 Hours
Coordinator	Dr. Jayshree Dighe
Teacher	Dr. Jayshree Dighe Dr. Archana antre

Dr. Dighe J.R.

Dept. of Economics,

A.S.C. College, Rahata.

Date: 11/04/2022

To,

The Principal,

A.S.C.College, Rahata.

Subject: - Regarding permission to Start a certificate course on "Introduction to Banking"

Respected Sir,

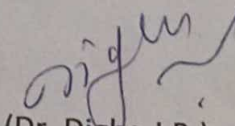
With reference to the above-mentioned subject, I would like to seek permission to Start a certificate course on "Introduction to Banking" for student of Arts faculties' for 30 hours. The syllabus of the course is attached herewith.

Kindly grant the permission.

Thank you.

Allowed
J.R.
11/04/2022

Yours sincerely,


(Dr. Dighe J.R.)

HoD, Economics,

A.S.C. College, Rahata.

Shirdi Sai Rural Institutes
Arts, Science and Commerce College Rahata
Department of Economics
Organizing
Certificate Course
On
INTRODUCTION TO BANKING

Duration 25th April 2022 to 31st May 2022
Hurry up/ Limited Seats Available

Objective of the Course

To create the awareness among the students of Modern Banking System
To Clear understanding of the operations of banking

Course outcome

To Understand the Basic Concepts of Banking and Functions of Banking
To understand the Modern Banking Services

Dr. J.R.Dighe
HoD Dept. of Economics
(8379966808)

Prof. Sanjay Lahare
Principal

'Shirdi Sai Rural Institutes,

ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA



Tal- Rahata, Dist-Ahmednagar (423107)

(University of Pune Affiliated ID No. PU/AN/ASC/052/1997)

Email: ssripravara@rediffmail.com,

Phone- (02423) 243892, 242391

rahatacollege@rediffmail.com

Fax- (02423) 242488

Website: <http://ascrahata.org>



Recipient of "Best Rural College Award" from Student Welfare Board, University of Pune (2011- 12)

Recipient of "Best Rural College Award", University of Pune (2013)

NAAC RE-ACCREDITED "B++" GRADE COLLEGE

ASCCR /ECO/2021-22 122

Date 18/04/2022

To

Dr. Vijay Nirmal

Department of Commerce,

P.V.P College Loni

Subject – An Invitation for the Syllabus framing workshop of Certificate Course
Introduction to Banking

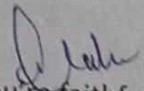
Dear Sir,

We are pleased to inform you that you are cordially invited for Syllabus framing workshop of Certificate Course on Introduction to Banking as a Subject Expert which will be held in April, 2022 by our College for the Academic year 2021-2022. The workshop is scheduled on 20/04/2022, Wednesday at 11.00am .in Economics department of our college

We sincerely hope that you will be able to confirm your presence for this Syllabus framing workshop.

We look forward for your presence.

Thanking You,


You're faithfully

Principal

I/C PRINCIPAL

Art's, Science & Commerce College
Rahata, Dist Ahmednagar

'Shirdi Sai Rural Institutes,

ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA



Tal- Rahata, Dist-Ahmednagar (423107)

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Recipient of "Best Rural College Award", University of Pune (2013)

NAAC RE-ACCREDITED "B++" GRADE COLLEGE

ASCCR /ECO/2021-22 12 2

Date 18/04/2022

To,

Prof. Satish Gonde

Department of Economics

ASC Kolhar College

Subject – An Invitation for the Syllabus framing workshop of Certificate Course
Introduction to Banking

Dear Sir,

We are pleased to inform you that you are cordially invited for Syllabus framing workshop of Certificate Course on Introduction to Banking as a Subject Expert which will be held in April, 2022 by our College for the Academic year 2021-2022. The workshop is scheduled on 20/04/2022, Wednesday at 11.00am .in Economics department of our college

We sincerely hope that you will be able to confirm your presence for this Syllabus framing Workshop.

We look forward for your presence.

Thanking You,

You're faithfully

Principal

I/C PRINCIPAL

Art's, Science & Commerce College
Rahata, Dist. Ahmednagar

"Shirdi Sai Rural Institute's"
ARTS, SCIENCE AND COMMERCE, COLLEGE, RAHATA.
TAL- RAHATA, DIST- AHMEDNAGAR.
Department of Economics

Name of The Course : Certificate Course in Introduction to Banking

Duration- 30 Lectures (25th April 2022 to 31st May 2022)

Syllabus

Objective of the Course:-

- ❖ To create the awareness among the students of Modern Banking System.
- ❖ To Clear understanding of the operations of banking .

Course outcome

- ❖ To Understand the basic concepts of banking and functions of banking
- ❖ To understand the modern banking services e.g. e-banking, m banking and internet banking

Syllabus

Functions of Commercial Banks

10 lecture

- ❖ Primary Functions-Accepting Deposits, Granting Loans & Advances.
- ❖ Secondary Functions-Agency Functions, General Utility Functions
- ❖ Methods of Remittances.

Operation & Types of Accounts

10 lecture

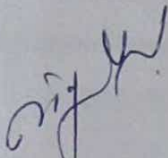
- ❖ Opening and operating of Deposit Account.
- ❖ Closure and Transfer of Accounts
- ❖ Types of Account Holders - Individual & Institutional
- ❖ No Frills Account, Escrow Account

New Technology in Banking

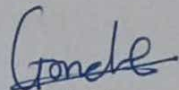
10 lecture

- ❖ E-Banking – Need and Importance
- ❖ Meaning, concept and operation of –
- ❖ Automated Teller machine- ATM
- ❖ Credit Card 6.2.3 Debit Card
- ❖ Tele Banking
- ❖ Mobile Banking

- ❖ Net Banking
- ❖ Society for worldwide Interbank Financial Telecommunication
- ❖ Core Banking
- ❖ RTGS



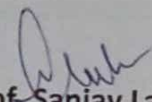
Dr. J.R. Dighe
Course In- charge
& HoD, Economics
HEAD



Prof Saitish Gonde
Subject Expert



Dr. Vijay Niramal
Subject Expert



Prof. Sanjay Lahare
Approved by
Principal

DEPARTMENT OF ECONOMICS
Art's, Science & Commerce College
Rahata, Dist. Ahmednagar

I/C PRINCIPAL
Art's, Science & Commerce College
Rahata, Dist. Ahmednagar

'ShirdiSai Rural Institutes,

ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA



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Recipient of "Best Rural College Award", University of Pune (2013)

NAAC RE-ACCREDITED "B++" GRADE COLLEGE

ASCCR /ECO/2021-22 /25

Date-22/04/2022

To,
Dr. Vijay Nirmal
Department of Commerce,
P.V.P College Loni

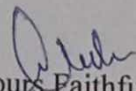
Subject - letter of Attendance as Subject Expert

Dear Sir,

As per the Above Mentioned Subject, we would like to thank you for remaining present as a Subject Expert for Syllabus framing workshop of Certificate Course on 'Introduction to Banking' on 20/04/2022, Wednesday.

We look forward for your cooperation in this regard in future also.

Thanking You,


Yours Faithfully

Principal

I/C PRINCIPAL
Art's, Science & Commerce College
Rahata, Dist. Ahmednagar

'Shirdi Sai Rural Institutes,

ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA



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NAAC RE-ACCREDITED "B++" GRADE COLLEGE

ASCCR /ECO/2021-22 /2-5

Date-22/04/2022

To,
Prof. Satish Gonde
Department of Economics
ASC Kolhar College

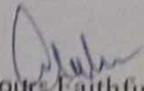
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We look forward for your cooperation in this regard in future also.

Thanking You,


Yours Faithfully
Principal

I/C PRINCIPAL
Art's, Science & Commerce College
Rahata, Dist. Ahmednagar

SSRI'S

Arts, Science and Commerce College, Rahata

Department of Economics

Certificate Course

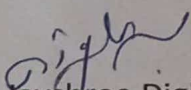
Syllabus Framing Workshop Report

20/04/2022, Wednesday

The committee undersigned met on 20 April, 2022, Wednesday at the department of Economics of Arts, Science and Commerce College Rahata to Discuss and finalize the syllabus for Certificate course in Introduction to Banking, which would be conducted by the department of Economics during the Academic year 2021-2022 the committee finalized the syllabus unanimously and suggested ways to evaluation.

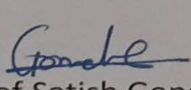
Following members were present

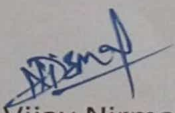
1. Prof.Satish Gonde ASC Kolhar College- External Subject Expert
2. Dr. Vijay Nirmal - P.V.P College Loni - External Subject Expert
3. Dr.Jayshree Dighe –ASC College, Rahata-Internal Subject Expert

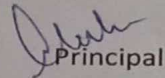

Dr. Jayshree Dighe

HEAD

DEPARTMENT OF ECONOMICS
Art's, Science & Commerce College
Rahata, Dist. Ahmednagar


Prof. Satish Gonde


Dr. Vijay Nirmal


Principal

Arts, Science and Commerce College Rahata

I/C PRINCIPAL
Art's, Science & Commerce College
Rahata, Dist. Ahmednagar

Encl: Approved Syllabus

Shirdi Sai Rural Institute's

ARTS, SCIENCE AND COMMERCE COLLEGE RAHATA.

Tal -Rahata, Dist. -Ahmednagar

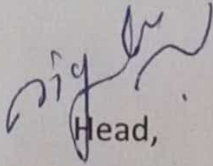
Department of Economics

Introduction to Banking Certificate Course

NOTICE

22/04/2022

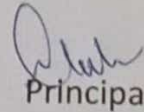
All the Students of FYBA are informed that a Certificate Course in Banking will be conducted by the Department of Economics in Month of April and May, 2022 .it will be a Course in "**Introduction to Banking**" that would help you to awareness of Banking system and update your banking knowledge .All are requested to attend the course .the time table will be Displayed on the notice board.



Head,

Department of Economics
HEAD

DEPARTMENT OF ECONOMICS
Art's, Science & Commerce College
Rahata, Dist. Ahmednagar



Principal

I/C PRINCIPAL
Art's, Science & Commerce College
Rahata, Dist. Ahmednagar

Shirdi Sai Rural Institute's

ARTS, SCIENCE AND COMMERCE COLLEGE RAHATA.

Tal –Rahata, Dist. –Ahmednagar

Department of Economics

Introduction to Banking Certificate Course

Time Table 2021-2022

Sr. No	Time	Mon	Tue	Wed	Thus	Fri	Sat
1.	1.30pm to2.30pm	F.Y.B.A (DR.AGA)	F.Y.B.A (DR.AGA)	F.Y.B.A (DR.AGA)	F.Y.B.A (DR.JRD)	F.Y.B.A (DR.JRD)	F.Y.B.A (DR.JRD)

“Shirdi Sai Rural Institute’s”

Arts Science and Commerce, College Rahata.

Tal –Rahata ,Dist- Ahmednagar .

Department of Economics

Name of the Course - Introduction to Banking

Course Duration – 30 Lecture (25th April 2022 to 31st May 2022)

Students List

Sr.No	Students Name	Sign
1	AJABE NILESH ANANDA	
2	ANAP AISHWARYA DATTATRAYA	
3	ANAP KRUSHNA RAMESH	
4	ATRE SARTHAK POPAT	
5	BARE SAI BAPUSAHEB	
6	BHAGWAT ABHINAV PANDIT	
7	BHALERAO ANKITA VIJAY	
8	BHALERAO SUNNY BALASAHEB	
9	BHALERAV MADHURI VIJAY	
10	BHUJBAL RUTUJA GANGARAM	
11	CHAVHAN RAVIN SHIVARAM	
12	CHOLKE GAURAV LAXMAN	
13	CHOLKE MILIND SANJAY	
14	DANGE PRASHANT BABASAHEB	
15	DANGE VISHAL SHANTARAM	
16	DHUMASE ARCHANA NANASAHEB	
17	DUSHING PRANJALI SUNIL	
18	GADEKAR AJINKYA ANNASAHEB	
19	GAIKWAD KOMAL RANGNATH	
20	GAIKWAD PRATIKSHA RAMESH	
21	GANGURDE VIJAY SANJAY	
22	GHODERAU PAVAN BHIMRAJ	
23	JADHAV KARAN SANJAY	
24	JADHAV PRIYANKA DATTATRAY	
25	JADHAV SANKET BABASAHEB	
26	JEJURKAR AKSHAY SANJAY	
27	KADAM KARAN BHAUSAHEB	
28	KALDATE RAVINDRA BABASAHEB	
29	KANDALKAR MARUTI NANASAHEB	
30	KAPASE RUPESH PRALHAD	
31	KHARPAS ROHIT SITARAM	

32	KHILLARI MAHESH MANJAHARI	<i>Khillari</i>
33	KULKARNI PRASAD PRASHANTRAO	<i>Prashad</i>
34	LANDGE SHIVANI SUBHASH	<i>SHIVANI</i>
35	LONDHE AISHWARYA BABASAHEB	<i>Londhe</i>
36	LONDHE PRAVIN ASHOK	<i>Londhe</i>
37	MATSAGAR ESHA BALASAHEB	<i>D. P. P.</i>
38	MOKAL VAISHALI SHUKLESHWAR	<i>Mokal V.S.</i>
39	MOKAL VIVEK BHIMRAJ	<i>MOKAL</i>
40	MORE KIRAN BALU	<i>More</i>
41	MORE RUTIK GULAB	<i>M. R. G.</i>
42	MORE SHITAL DHANESHWAR	<i>SHITAL</i>
43	MUJAMULE SAGAR KAILAS	<i>M. S. K.</i>
44	MUJMULE DHANANJAY KUNDLIK	<i>mujmule D.K.</i>
45	MURTADAK APEKSHA ASHOK	<i>Ashok</i>
46	NALE SIDDHARTH BABASAHEB	<i>NALE</i>
47	NALE SUYOG SHANKAR	<i>SUYOG N.</i>
48	NALE SWAPNIL SUNIL	<i>Nale S.S.</i>
49	NIKALE KSHITIJA SANDIP	<i>NIKALE</i>
50	PAGARE REVNNATH APPASAHEB	<i>Pagare</i>
51	PATHADE JAYSHRI YADAV	<i>JAYSHRI</i>
52	PATIL MAHESHWARI SUNIL	<i>PATIL S.M.</i>
53	PAWAR ANIRUDDHA PRAKASH	<i>PAWAR</i>
54	PILGAR RANJEET SUBHASH	<i>P.R.S.</i>
55	VAIDYA JAYASHRI BALASAHEB	<i>V.J.B.</i>
56	VARADE KAVERI HAUSHIRAM	<i>Varade</i>
57	SHINDE SAYLI BANDU	<i>Sayli</i>
58	RAHINJ SUVARNA BALASAHEB	<i>R.S.B.</i>
59	RAKHPASARE PREM PARASHRAM	<i>Prem</i>
60	WAGHMARE DIVYA BABU	<i>Waghmare</i>

nigh

HEAD

DEPARTMENT OF ECONOMICS
Art's, Science & Commerce College
Rahata, Dist. Ahmednagar

P. S.

I/C PRINCIPAL

Art's, Science & Commerce College
Rahata, Dist. Ahmednagar

53	PAWAR ANIRUDDHA PRAKASH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
54	PILGAR RANJEET SUBHASH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
55	VAIDYA JAYASHRI BALASAHEB	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
56	VARADE KAVERI HAUSHIRAM	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
57	SHINDE SAYLI BANDU	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
58	RAHINJ SUVARNA BALASAHEB	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
59	RAKHPASARE PREM PARASHRAM	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
60	WAGHMARE DIVYA BABU	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

HEAD

DEPARTMENT OF ECONOMICS
Art's, Science & Commerce College
Rahata, Dist. Ahmednagar

I/C PRINCIPAL

Art's, Science & Commerce College
Rahata, Dist. Ahmednagar

Report on the introduction to Banking Certificate Course

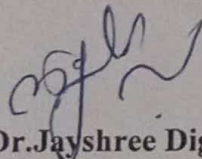
Department of Economics

The Department of Economics of arts Science and Commerce College Introduced a Certificate course on introduction to Banking and its practices for first year students of F.Y.B.A .discipline courses in the Academic year 2021-2022.the course was designed with the purpose of introducing the newly admitted students of B.A courses .The department of Economics offered a 30 –hour certificate course for second semester F.Y.B.A students of Batch 2021-2022 from 25th April 2022 to 31st may 2022 .This course aims to give the basic knowledge about banking system .total 60 students of both classes registered for the programme.

An Examination was held on 3 june 2022 „Friday between 11 a.m to 12 p.m to assess the knowledge they acquired from the course .the question paper included objective questions from all banking system .All the students cleared the test .

All the students actively participated in the in the course and all the lectures were very useful and informative for them .The course helped them to understand the basic concepts of banking and new knowledge of modern banking services .total 60 students have been participated in course and successfully completed the course. This course is definitely useful to the students for their future purpose.

The Department of Economics is very thankful to SSRI Director Dr.Mahesh Kharde sir and Principal Pro Sanjay Lahare for providing and availability of learning recourses at various stages of course.

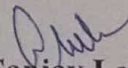
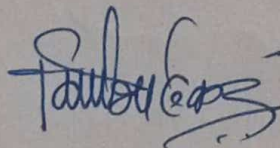


Dr. Jayshree Dighe

Course Coordinator

HEAD

DEPARTMENT OF ECONOMICS
Art's, Science & Commerce College
Rahata, Dist. Ahmednagar

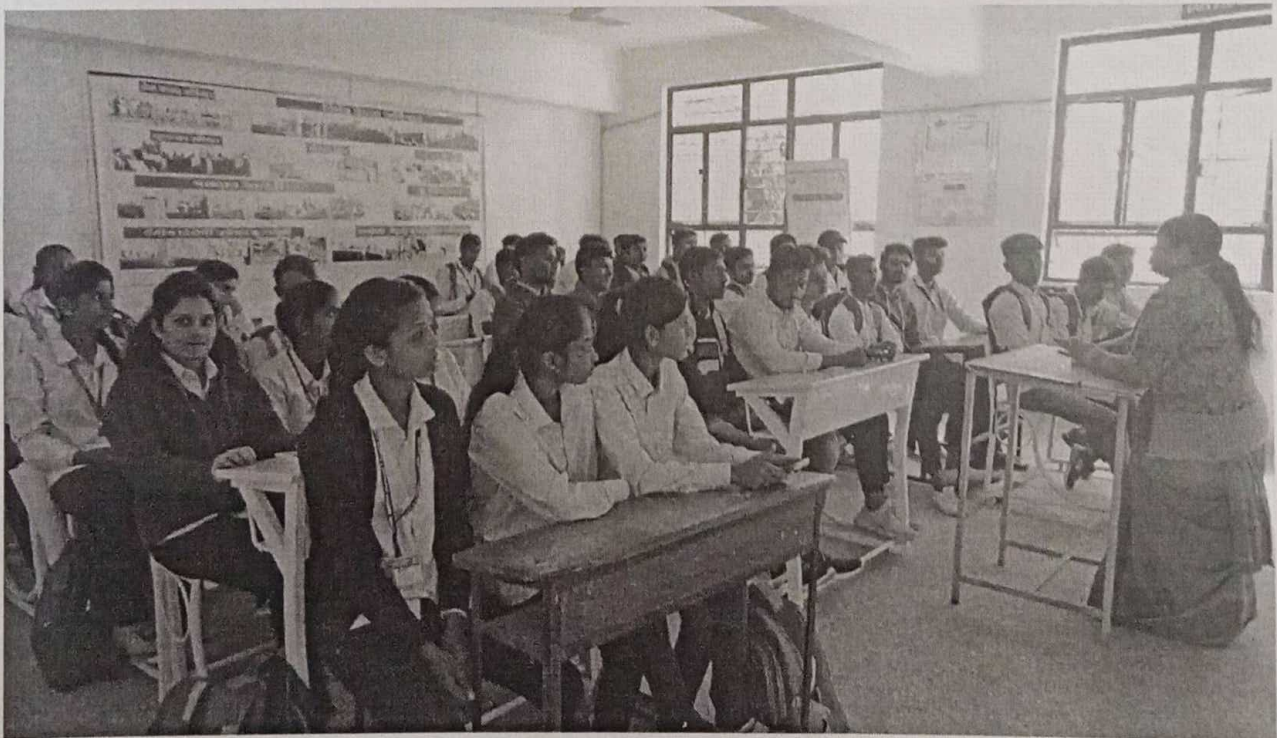
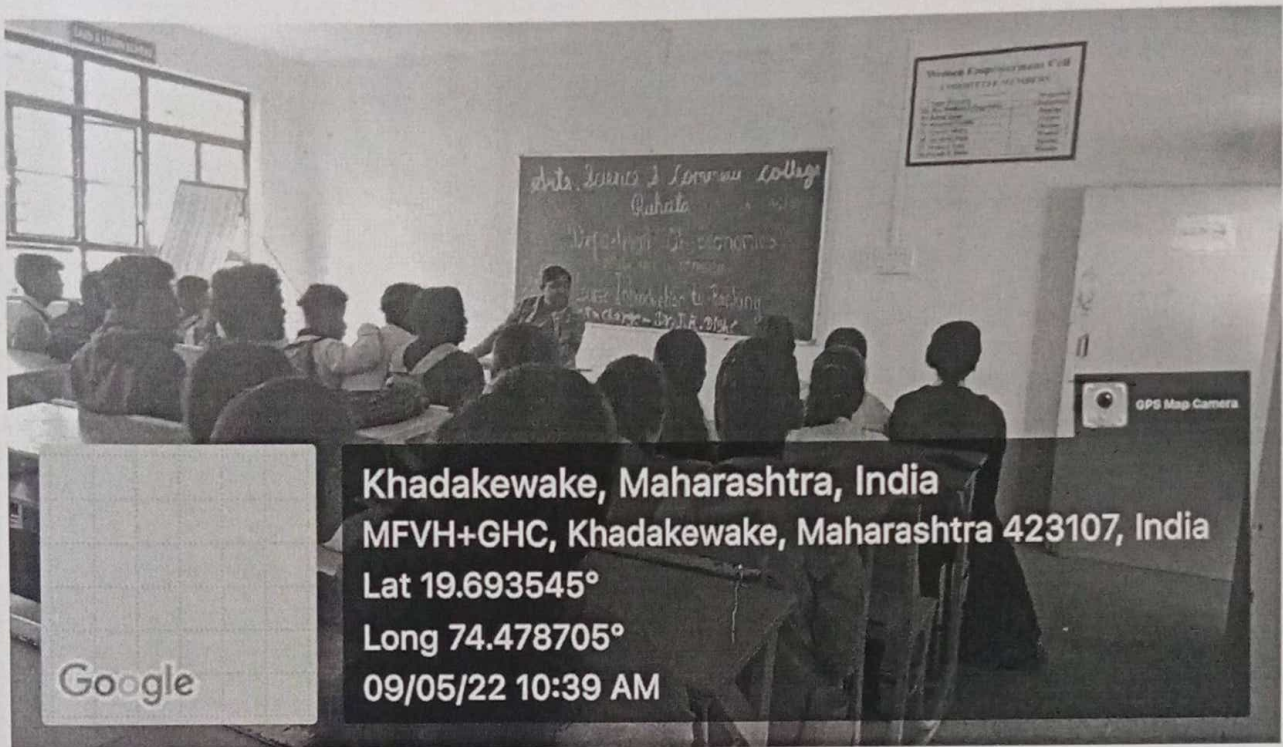


Prof. Sanjay Lahare

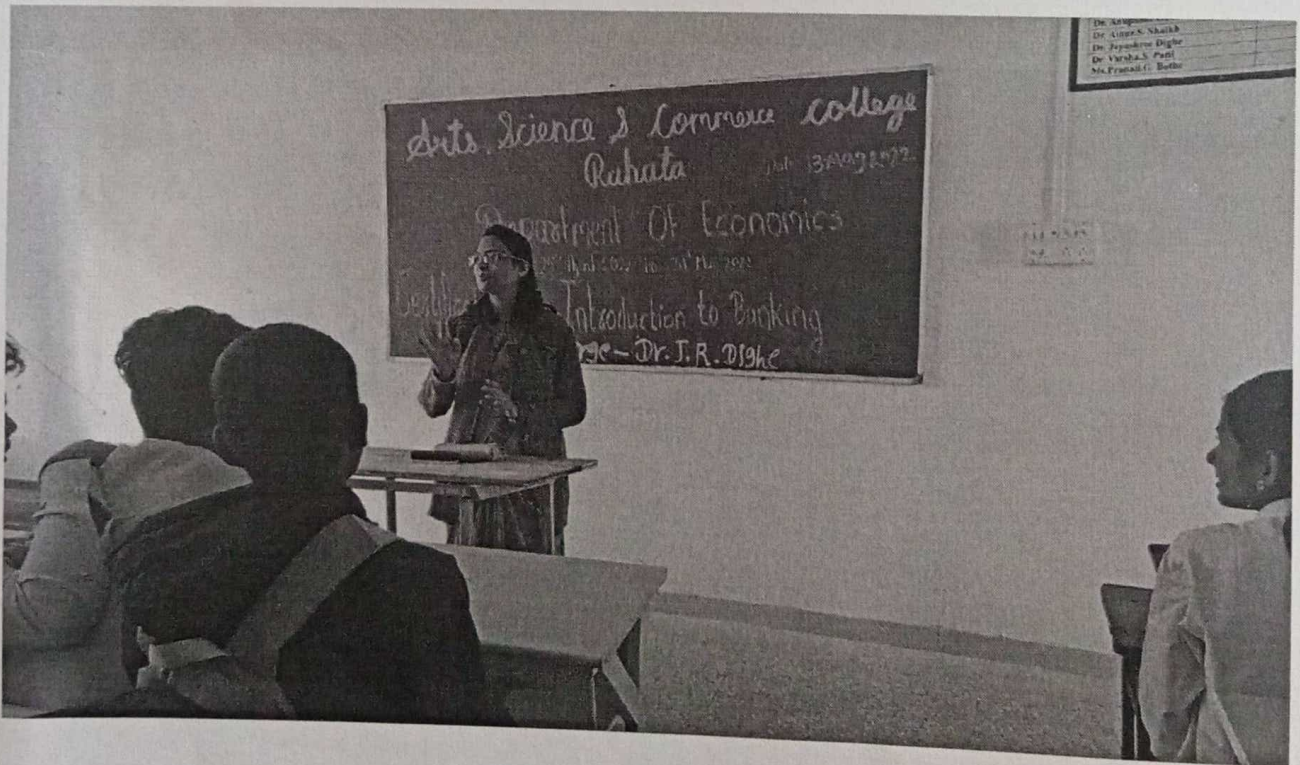
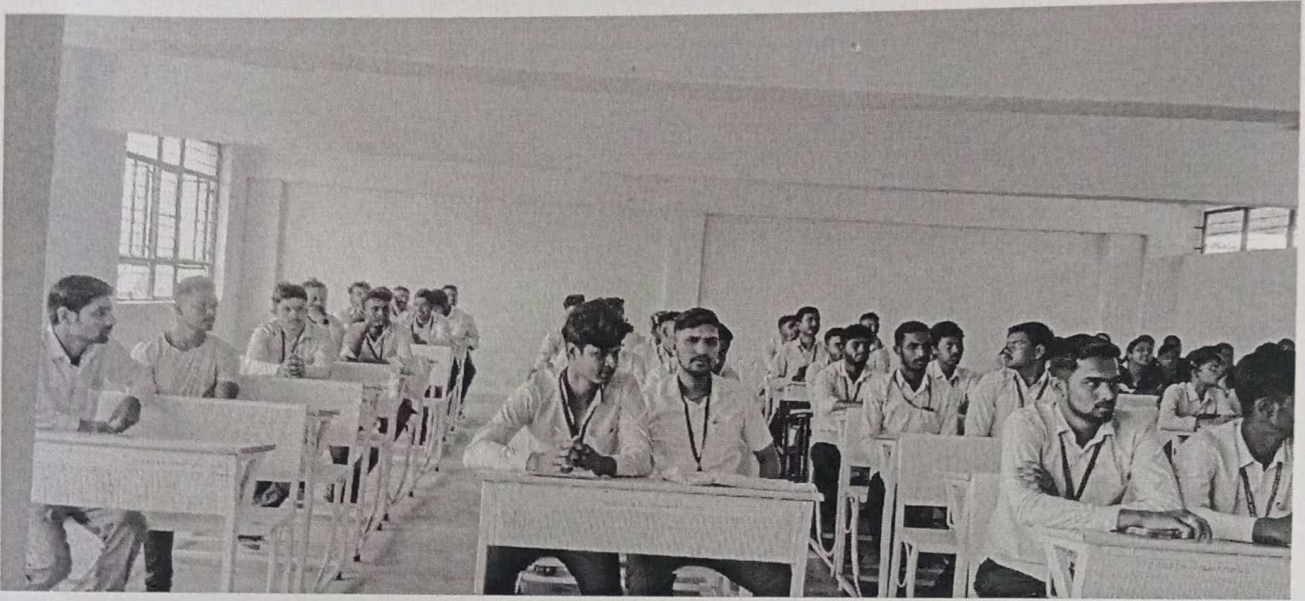
Principal

I/C PRINCIPAL

Art's, Science & Commerce College
Rahata, Dist. Ahmednagar



Introduction to Banking Course



Introduction to Banking Course

Shirdi Sai Rural Institute's
Arts Science and Commerce, College Rahata.

Department of Economics

Certificate Course

Introduction to Banking

Test mark list

Sr.No	Name of the Students	Marks 50
1	AJABE NILESH ANANDA	36
2	ANAP AISHWARYA DATTATRAYA	40
3	ANAP KRUSHNA RAMESH	46
4	ATRE SARTHAK POPAT	34
5	BARE SAI BAPUSAHEB	34
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Right

Alah
 I/C PRINCIPAL
 Art's, Science & Commerce College
 Rahata, Dist. Ahmednagar.

**Shirdi Sai Rural Institute's
ARTS, SCIENCE AND COMMERCE COLLEGE RAHATA.**

**Subject- Certificate Course of Introduction to Banking
Date -03/06/2022**

Time-11.00am to 12.00pm

Mark -50

Name of the Students-----

All Question are compulsory (✓ the Correct Answer)

1. The committee was set up to study bank computerization under _____.

- A. Dr. C Rangarajan.
- B. Dr. C. Ragavendra
- C. Dr. C. Raja Rajan
- D. Dr. C. Ramachandran

2. In which system computers are based on the centralized processing concept?

- A. Multi-user computer networking
- B. Stand-alone computer networking
- C. Processing computer system
- D. Frame computer system

3. Customer interface is maximum at the _____ level.

- A. zonal.
- B. branch
- C. head office.
- D. state office.

4. The head office of a bank is responsible for_____.

- A. only Bank-level planning
- B. only Bank-level planning, control functions
- C. bank-level planning, control functions and policy decision
- D. only services to the branches

5. Core banking is a _____ branch computerization model.

- A. decentralized
- B. centralized.
- C. unified
- D. ATM

6. The objective of computerization in India is to _____.

- A. replace men with machines
- B. make the work-life more meaningful
- C. control the manpower
- D. control the economy

7. ATMs are primarily used for performing the _____ functions.

- A. infrastructure

- B. computer-based
- C. banking
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8. In the early 1990s, which type of ATMs makes their appearance in India?

- A. Multi-user ATM.
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9. Expansion of ECS _____.

- A. Electronic Clearing system
- B. Electronic centered system.
- C. Electronic cross systems
- D. Electronic conversion systems.

10. EFT is introduced by

- A. IRDA
- B. RBI.
- C. SEBI
- D. NSE.

11. A cheque date before the date of its issue is _____.

- A. ante dated cheque.
- B. full worth cheque
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- B. a specified future date
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13. Name the person to whom the amount of the cheque is payable?

- A. Drawer.
- B. Payee.
- C. Drawee.
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14. The best suited deposit for trading community is _____.

- A. Saving's deposit
- B. Current deposit.
- C. Fixed deposit
- D. RD.

15. Expansion of NEFT _____.

- A. National Electronic Fund Transfer.
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16. KYC means _____.

- A. know your customer.
- B. know your creditor.
- C. know your cost.
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- A. 15
- B. 14
- C. 16
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- Axis Bank
- AU Small Finance Bank
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24. Which of the following is subsidiary function of a bank

- A. Accepting deposit
- B. Granting credit

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25. who is RBI Governor 2023

A. Shaktikant Das

B. Urjit Patel

C. Raghuram Rajan

D. D. Subbarao

Shirdi Sai Rural Institute's
ARTS, SCIENCE AND COMMERCE COLLEGE RAHATA.

Subject- Certificate Course of Introduction to Banking

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Time-11.00am to 12.00pm

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Name of the Students Dushing Poornjali Sumil

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34
30

Ans

Shirdi Sai Rural Institute's
ARTS, SCIENCE AND COMMERCE COLLEGE RAHATA.

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Shirdi Sai Rural Institute's
ARTS, SCIENCE & COMMERCE COLLEGE, RAHATA

Tal- Rahata, Dist- Ahmednagar-423 107

NAAC Re-accredited B++ Grade College



Certificate Course

on

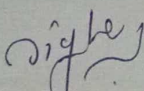
Introduction to Banking

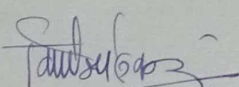
Organized by

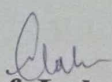
Department of Economics

CERTIFICATE

This is to certify that Mr/Miss ----- has participated in the Certificate Course on "Introduction to Banking", organised by Department of Economics, Arts, Science and Commerce College, Rahata. held from 25th April 2022 to 31st May 2022 His / Her active Participation in this Course is deeply appreciated.


Dr. Dighe J.R.
HoD, Economics


Dr. Bhalekar V.P.
Coordinator IQAC


Prof. Lahare S.V.
I/C Principal



Shirdi Sai Rural Institute's
ARTS, SCIENCE & COMMERCE COLLEGE, RAHATA

Tal- Rahata, Dist- Ahmednagar-423 107

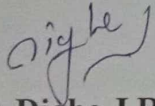
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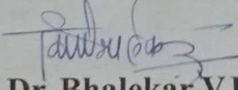


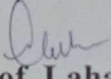
Certificate Course
on
Introduction to Banking
Organized by
Department of Economics

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This is to certify that Mr/Miss Nikale Kshitiya Sandip has participated in the Certificate Course on "Introduction to Banking", organised by Department of Economics, Arts, Science and Commerce College, Rahata. held from 25th April 2022 to 31st May 2022 His / Her active Participation in this Course is deeply appreciated.


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ARTS, SCIENCE AND COMMERCE COLLEGE RAHATA.

Tal -Rahata, Dist. -Ahmednagar

Department of Economics

Introduction to Banking Certificate Course

Feedback From

Academic Year 2021-2022

25 April 2022 to 31 May 2022

Name of the students - Dushing Pranjali Sunil

Please rate your Course based on the Following Criterion:

Sr. No	Feedback	Strongly Agree	Agree	Unsure	Disagree
1	Objectives of the Course was clear	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	The level of Course was Good	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	The course exposed you to new Knowledge and Practices	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	I Learned Skills /concepts that I will be able to apply when working	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	The teaching aids were effectively used	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	The Instructors encouraged interaction and helpful	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Will you recommend this course to your colleagues	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Pranjal D
Dushing pranjal

Shirdi Sai Rural Institute's
ARTS, SCIENCE AND COMMERCE COLLEGE RAHATA.

Tal -Rahata, Dist. -Ahmednagar

Department of Economics

Introduction to Banking Certificate Course

Feedback From

Academic Year 2021-2022

25 April 2022 to 31 May 2022

Name of the students - Cholke Milind Sanjay

Please rate your Course based on the Following Criterion:

Sr. No	Feedback	Strongly Agree	Agree	Unsure	Disagree
1	Objectives of the Course was clear	✓			
2	The level of Course was Good	✓			
3	The course exposed you to new Knowledge and Practices	✓			
4	I Learned Skills /concepts that I will be able to apply when working	✓			
5	The teaching aids were effectively used	✓			
6	The Instructors encouraged interaction and helpful	✓			
7	Will you recommend this course to your colleagues	✓			

cholke milind

Shirdi Sai Rural Institute's

ARTS, SCIENCE AND COMMERCE COLLEGE RAHATA.

Department of Economics

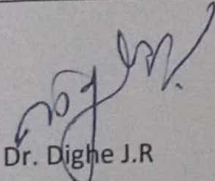
Introduction to Banking Certificate Course

Feedback Analysis

Academic Year 2021-2022

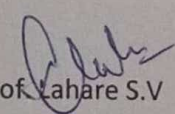
25 April 2022 to 31 May 2022

Sr.No	Feedback	Strongly Agree	Agree	Unsure	Disagree	Total
1	Objectives of the Course was clear	57	3	0	0	60
		95%	5%	0	0	100.00%
2	The level of Course was Good	47	10	3	0	60
		78.33%	16.66%	5%	0	100.00%
3	The course exposed you to new Knowledge and Practices	55	2	3	0	60
		91.66	3.33 %	5%	0	100.00%
4	I Learned Skills /concepts that I will be able to apply when working	58	2	0	0	60
		96.66 %	3.33%	0	0	100.00%
5	The teaching aids were effectively used	55	2	3	0	60
		91.66%	3.33 %	5%	0	100.00%
6	The Instructors encouraged interaction and helpful	48	5	5	2	60
		80%	8.33%	8.33%	3.33%	100.00%
7	Will you recommend this course to your colleagues	49	10	1	0	60
		81.66	16.66%	1.66	0	100.00%


Dr. Dighe J.R

HOD
HEAD

DEPARTMENT OF ECONOMICS
Art's, Science & Commerce College
Rahata, Dis. Ahmednagar


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I/C PRINCIPAL
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ARTS, SCIENCE AND COMMERCE COLLEGE RAHATA.

Tal -Rahata, Dist. -Ahmednagar

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Introduction to Banking Certificate Course

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DEPARTMENT OF GEOGRAPHY

Date: 25/04/2022

To
The Principal,
Arts, Science and Commerce College,
Rahata.

Sub.:-Regarding the permission to conduct Certificate Course in GIS.

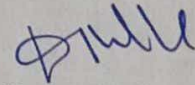
Respected Sir,

We would like to conduct certificate Course in Geography - GIS **(Geographical Information System)** in Geography for the students of FY, SY and TYBA for 30 hours in the month of May 2022. (2 to 31 May 2022). The course is important for the students give them knowledge about various software and its managements.

You are requested to grant permission for the same.

Thank you,

Yours Sincerely,



(Dr. D. M. Nalage)
Department of Geography
Arts, Science & Commerce College
Rahata-423107, Dist. Ahmednagar

Allowed
Class
25/4/2022

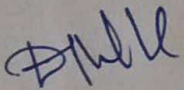
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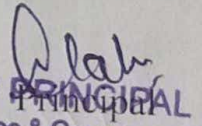
Date : 20 April 2022

Notice

All the Student of FY, SY and TYBA Student informed that certificate course on "**GIS (Geographical Information System)** in Geography will be conducted by the Department of Geography on 2 to 31 May 2022. All students are requested to attend the course. Interested students can contacts to the department of Geography before 30th April, 2022.



Dr. D. M. Nalage
Department of Geography
Arts, Science & Commerce College
Rahata-423107, Dist. Ahmednagar



I/C PRINCIPAL
Art's, Science & Commerce College
Rahata, Dist Ahmednagar.

'ShirdiSai Rural Institute's'

ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA



Tal- Rahata, Dist-Ahmednagar (423107)
(University of Pune Affiliated ID No. PU/AN/ASC/052/1997)

Phone- (02423) 295488

Email: rahatacollege@rediffmail.com

Website: <http://ascrahata.org>



NAAC ACCREDITED **"B++"** GRADE COLLEGE

Recieipient of "Best Rural College Award" from Student Welfare Board, University of Pune (2011-12)

Recieipient of "Best Rural College Award" from University of Pune (2012-13)

ASCCR/Geography/2021-22/

Date: 22/04/2022

To,

Mr. Vijay Sonawane,

Asst. Prof., Dept. of Geography

Saibaba College, Shirdi

Tal :Rahata, Dist : Ahmednagar

Subject: - Regarding an invitation as a subject expert for syllabus framing workshop.

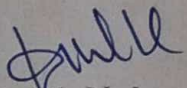
Dear Sir,

We are pleased to inform that you are cordially invited to the syllabus framing workshop of course on **"GIS (Geographical Information System) in Geography"** as a Subject Expert. The workshop is scheduled on **25/04/2022**, Monday at 1.00 to 2.00 pm. in the college.

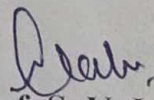
We sincerely hope that you will be able to confirm your presence for this syllabus framing workshop. We look forward to your presence.

Thanking you,

Yours Sincerely,


Dr. D. M. Nalage

Department of Geography
Arts, Science & Commerce College
Rahata-423107, Dist. Ahmednagar


Prof. S. V. Lahare
PRINCIPAL

Art's, Science & Commerce College
Rahata, Dist. Ahmednagar.

'Shirdi Sai Rural Institute's'

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Recieipient of "Best Rural College Award" from University of Pune (2012-13)

ASCCR/Geography/2021-22/

Date: 22/04/2022

Dr. B. K. Wani ,

Asst. Prof., Dept. Of Geography
PVP College, Loni Tal : Rahata.

Subject: - Regarding an invitation as a subject expert for syllabus framing workshop.

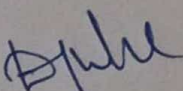
Dear Sir,

We are pleased to inform that you are cordially invited to the syllabus framing workshop of Add-on course on **"GIS (Geographical Information System) in Geography"** as a Subject expert. The workshop is scheduled on **25/04/2022,, Monday** at 1.00 to 2.00 pm. in the college.

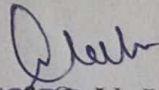
We sincerely hope that you will be able to confirm your presence for this syllabus framing workshop. We look forward to your presence.

Thanking you,

Yours Sincerely,


Dr. D. M. Nalage

Department of Geography
Arts, Science & Commerce College
Rahata-423107, Dist. Ahmednagar


PRINCIPAL
Art's, Science & Commerce College
Rahata, Dist Ahmednagar.

'ShirdiSai Rural Institute's'

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Recieipient of "Best Rural College Award" from University of Pune (2012-13)

ASCCR/Geography/2021-22/

Date: 22/04/2022

To,

Dr. Gangadhar Lawande,
Head, Dept. of Geography
Dada Patil Rajale Collge, Adinathnagar,
Tal : Pathardi, Dist : Ahmednagar

Subject: - Regarding an invitation as a subject expert for syllabus framing workshop.

Dear Sir,

We are pleased to inform that you are cordially invited to the syllabus framing workshop of course on **"GIS (Geographical Information System) in Geography"** as a Subject Expert. The workshop is scheduled on **25/04/2022**, Monday at 1.00 to 2.00 pm. in the college.

We sincerely hope that you will be able to confirm your presence for this syllabus framing workshop. We look forward to your presence.

Thanking you,

Yours Sincerely,

Dr. D. M. Nalage

Department of Geography
Arts, Science & Commerce College
Rahata-423107, Dist Ahmednagar

Prof. S. C. Ahare

Art's, Science & Commerce College
Rahata, Dist Ahmednagar.

'Shirdi Sai Rural Institute's'

ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA



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Recieipient of "Best Rural College Award" from University of Pune (2012-13)

ASCCR/Geography/2021-22/

Date: 22/04/2022

To,

Dr. S. N. Shingote,
Head, Dept. Of Geography
ASC College, Kolhar

Subject: - Regarding an invitation as a subject expert for syllabus framing workshop.

Dear Sir,

We are pleased to inform that you are cordially invited to the syllabus framing workshop of certificate course on **"GIS (Geographical Information System) in Geography"** as a Subject expert. The workshop is scheduled on **25/04/2022, Monday** at 1.00 to 2.00 pm. in the college.

We sincerely hope that you will be able to confirm your presence for this syllabus framing workshop. We look forward to your presence.

Thanking you,

Yours Sincerely,

Dr. D. M. Nalage
Department of Geography
Arts, Science & Commerce College
Rahata-423107, Dist. Ahmednagar

Prof. S. V. Lahare
IC PRINCIPAL
Art's, Science & Commerce College
Rahata, Dist. Ahmednagar.

'Shirdi Sai Rural Institute's'

ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA



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Recieipient of "Best Rural College Award" from University of Pune (2012-13)

ASCCR/IQAC/2021-22/

Date: 20/04/2022

To,

Dr. D. M. Nalage ,

Head, Dept. of Geography

Arts, Science and Commerce College, Rahata

Subject: - Regarding an syllabus framing workshop.

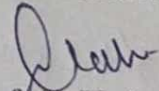
Respected Sir,

With reference to above mention subject I am pleased to inform you that you are cordially invited as a Resource person to the certificate course on "**GIS (Geographical Information System)**" syllabus framing workshop. This event will be organized at Department of Geography Arts, Science and Commerce College, Rahata and will be held on 25/04/2022, at 1.00 pm.

Please confirm your availability on or before 22/04/2022 by contacting gives by Emailing us at rahatacollage@rediffmail.com.

Thanking You

Yours Faithfully,


Prof. S.V. Lahare

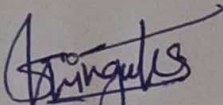
Art's, Science & Commerce College
Rahata, Dist. Ahmednagar.

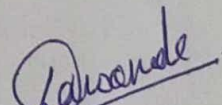
Shirdi Sai Rural Institute's
ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA
Department Of Geography: Certificate Course on
“GIS (Geographical Information System)”
COURSE SYLLABUS FRAMING WORKSHOP

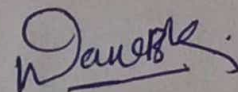
The Committee undersigned met on 25/04/2022, at the Department of Geography of Arts, Science and Commerce college, Rahata to discuss and finalize the syllabus for course in GIS, which would be conducted by the Department of Geography during the academic year 2021-22

The committee finalized the syllabus unanimously and suggested ways to evaluation following members are Present :

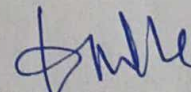
Sr. No.	Name of the Teacher	Designation
1	Dr. S. N. Shingote	Head, Dept. Of Geography ASC College, Kolhar, External Subject Expert
2	Dr. Gangadhar Lawande	Head, Dept. o Geography, Dada Patil Rajale Collge, Adinathnagar, Tal : Pathardi: External Subject Expert
3	Dr. B. K. Wani	Asst. Prof. , Dept. of Geography, PVP College, Loni Tal : Rahata External Subject Expert
4	Dr. D. M. Nalage	Dept. of Geography ,ASC College, Rahata --Internal Subject Expert
5	Prof. C. M. Bansode	Dept. of Geography ,ASC College, Rahata --Internal Subject Expert


Dr. S. N. Shingote


Dr. Gangadhar Lawande


Dr. B. K. Wani,


Prof. C. M. Bansode


Dr. D. M. Nalage

Department of Geography
Arts, Science & Commerce College
Rahata-423107, Dist. Ahmednagar

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ASCCR/Geography/2021-22/

Date: 22/04/2022

To,

Mr. Vijay Sonawane,
Asst. Prof., Dept. of Geography
Saibaba College, Shirdi
Tal :Rahata, Dist : Ahmednagar

Subject: - Regarding an invitation as a subject expert for certificate course on GIS

Dear Sir,

We are pleased to inform that you are cordially invited as a expert to the certificate course on **"GIS (Geographical Information System)** organized by Dept. of Geography" for the students on 2 to 31 May 2022.

We sincerely hope that you will be able to confirm your presence for this certificate course . We look your positive response.

Thanking you,

Yours Sincerely,

Dr. D. M. Nalage

Department of Geography
Arts, Science & Commerce College
Rahata-423107, Dist Ahmednagar

Prof. S. V. Lahare
Principal
Art's, Science & Commerce College
Rahata, Dist. Ahmednagar.

Shirdi Sai Rural Institutes
Arts, Science and Commerce College Rahata.
Certificate Course of GIS - Syllabus

1. Name of Faculty : Arts
2. Name of B.O.S : Geography
3. Name of Subject : Geography
4. Name of Course Title : Certificate Course of GIS
5. Year & Semester : 2022
6. Type of Course : Elective
7. Duration of Course : One Month

Course Outcomes:

On successfully completion of this course, the students will able to–

- CO1) define, describe and classify the basic concepts in GIS and RS. [PO1 and 2]
- CO2) apply the GIS and RS Technique in various geographical study. [PO3]
- CO3) determine and evaluate various sources of the data. [PO5]
- CO4) Create communicate and long-life learning of Geospatial techniques with project work. [PO6]

Unit No.	Unit Title	No. of Clock Hours	Teaching Methodology
1	I. Introduction to GIS 1. Definition of GIS 2. Components GIS 3. Definition of RS 4. Components RS	08	BB and LCD
2	II. Software based PracticalPart I 1. Collection of GIS Data from various Sources 2. Geo-referencing of Toposheet/Map 3. Digitization of Point, Line & Polygon (at least one layer of each) 4. Attribute (Non-Spatial) Data Attachment	12	BB and LCD
3	III. Software based PracticalPart I 1. Collection of RS Data from various Sources 2. Stack layer of Satellite Images 3. Creation of Layout and Map	10	LCD and Computer lab

References:

Sr. No	Title of Books	Name of Author/s	Publisher	Year	Place
1	Principles of Geographical Information Systems	Burrough, P. A. and McDonnell,	R. A. Oxford University Press	2000	New York.
2	Introduction to Geographic Information Systems	Chang, K. T.	Avenue of the Americas, McGraw-Hill,	2008	New York.
3	Bhaugolik Mahiti Pranali (GIS)	Karlekar, S.	Diamond Publications,	2007	Pune
4	Geoinformatics	D. Suryavanshi, S. Ahire and A. Kate-Suryavanshi	Prashant Publication	2019	Jalgaon.

• **Web References :**

1. <https://qgis.org/en/site/forusers/download.html>
2. <https://www.gislounge.com/open-source-gis-applications/amp/>
3. <https://earthexplorer.usgs.gov/>
4. <https://bhuvan.nrsc.gov.in/home/index.php>
5. <https://www.diva-gis.org/>

• **Suggested assessment tools for courses :-**

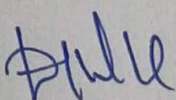
The teacher concerned shall announce the units for which each internal assessment will take place.

A teacher may choose from the variety of procedures for examination.

- i. Lecture/Library notes
- ii. Seminar presentation
- iii. Home Assignments
- iv. MCQ Test

Date: / /2022

Place: Rahata

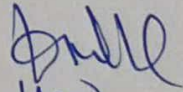

Signature of HoD
Department of Geography
Arts, Science & Commerce College
Rahata-423107, Dist. Ahmednagar

Shirdi Sai Rural Institutes, Shirdi Sai Rural Institutes,
ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA

Department of Geography

Certificate Course in Geography GIS (Geographical Information System)

1. No. of participated Students: 45
2. Duration of the Course : 1 Month (2 to 31 May 2022)
3. **Objectives of the course:**
 1. To acquaint the basic concept of Geography and GIS.
 - 2 To help the students to understand the job opportunities.
 3. To aware the students with the utility and application of various software.

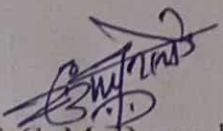

Head
Department of Geography
Arts, Science & Commerce College
Rahata-423107, Dist Ahmednagar

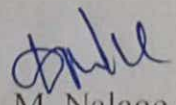
Shirdi Sai Rural Institute's
ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA
Department Of Geography
"GIS (Geographical Information System)" Time Table 2021-22

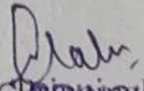
2 to 31 May 2022.

Sr.No	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	1.00 to 2.00 pm	1.00 to 2.00 pm	1.00 to 2.00 pm	1.00 to 2.00 pm	1.00 to 2.00 pm	1.00 to 2.00 pm
Name of the Teacher	Dr. D. M. Nalage	Dr. D. M. Nalage	Dr. D. M. Nalage	Prof. C. M. Bansode	Prof. C. M. Bansode	Prof. C. M. Bansode
2 To 3pm.						
	Mr. Vijay Sonawane (Visiting faculty)	Mr. Vijay Sonawane (Visiting faculty)	Mr. Vijay Sonawane (Visiting faculty)	-	-	-

Place: - Dept. of Geography


Prof. C. M. Bansode


Dr. D. M. Nalage
Department of Geography
Arts, Science & Commerce College
Rahata-423107, Dist. Ahmednagar


//C/PRINCIPAL
Art's, Science & Commerce College
Rahata, Dist. Ahmednagar.

Shirdi Sai Rural Institutes, Shirdi Sai Rural Institutes,
ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA

Department of Geography

Certificate Course in Geography GIS (Geographical Information System)

List of the Participants Students

Sr. No.	Name of the Students	Mobile No.	Class	
1.	Bansode Pritam Jagannath	8483098451	TYBA	Bansode P.J
2.	Bansode Samadhan Dnyaneshwar	7448120661	TYBA	Bansode
3.	Bansode Swati Arjun	9359616336	TYBA	Swati
4.	Bansode Vaibhav Balasaheb	9881998381	TYBA	S.A. Bansode
5.	Chitte Mahesh Sanjay	8459826945	TYBA	Chitte
6.	Ghodeshwar Bhagyashri Baban	9922543534	TYBA	Ghodeshwar
7.	Jejurkar Pratiksha Shasikant	8605053973	TYBA	J.P.S.
8.	Kurhade Chandrakant Vasant	8669410058	TYBA	Kurhade C.V.
9.	Londhe Gaurav Sahebrao	8830868650	TYBA	Londhe
10.	Londhe Komal Sanjay	9604356850	TYBA	L.R. Londhe
11.	Masal Ganesh Bhaurao	7721924847	TYBA	Masal
12.	Nikam Prasad Balu	9623801523	TYBA	Nikam
13.	Pawar Priti Vilas	8766609894	TYBA	Pawar P.V.
14.	Sapike Anita Bhausahab	9011892456	TYBA	Sapike
15.	Thakur Mahima Sunil	8007118761	TYBA	Thakur
16.	Thombare Prasad Shankar	9552680572	TYBA	Thombare
17.	Kadam Prasad Jagannath	9850020106	TYBA	K.P.J.
18.	Londhe Rahul Dattatray	9673119008	TYBA	Londhe
19.	Varhade Vishal Laxman	7448172529	TYBA	Varhade
20.	Petare Vijay Balasaheb	7744885812	TYBA	Petare

21.	Sabale Sandipa Pandurang	8265065559	TYBA	Sabale
22.	Wable Dhiraj Balaram	7745822383	TYBA	Wable
23.	Bhagvat Bapu Aarangale	7350655820	TYBA	Bhagvat
24	Shelke Ashok Chandrabhan	8329255603	SYBA	Shelke
25	Shakh Urmila Prafull	8605537600	SYBA	Shakh
26	Bansode Sai Sharad	9518397549	SYBA	Bansode
27	Bansode Manish Balasaheb	7558727376	SYBA	Bansode
28	Chintamani Abheshek Vilas	9307277425	SYBA	Chintamani
29	Gaikwad Yash Sunil	8485884831	SYBA	Yash
30	Varade Santosh Ashok	9405020211	SYBA	Varade
31	Pawar Rahul Gajanan	8055301319	SYBA	Pawar
32	Jadhav Josef Yakub	9665099800	SYBA	Jadhav
33	Mokal Vaishali Sudhakar	9637424171	FYBA	Mokal
34	Tribhuwan Om Suryakant	7517578830	FYBA	Tribhuwan
35	Waghmare Abhishek Dilip	8080822247	FYBA	Waghmare
36	Tribhuwan Umesh Kailas	8805194151	FYBA	Tribhuwan
37	Bansode Tushar Baban	9325781868	FYBA	Bansode
38	Nale Suyog Shankar	7972804135	FYBA	Nale
39	Nale Swapnil Sunil	7972804135	FYBA	Nale
40	Nale Sidharth Babasaheb	7030223294	FYBA	Nale
41	Ajabe Nilesh Ananada	8766544142	FYBA	Ajabe
42	Landage Shivani Subhash	8010610871	FYBA	Landage
43	Londhe Aishvarya Babasaheb	9960424094	FYBA	Londhe
44	Matsagar Isha Balasaheb	9767277917	FYBA	Matsagar
45	More Rutvik Gulab	7875298415	FYBA	More

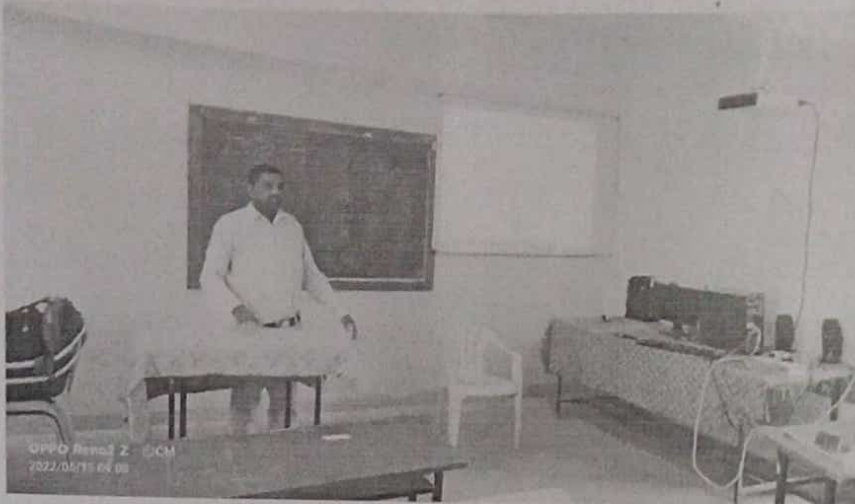
Department of Geography
 Arts, Science & Commerce College
 Rahata-423107, Dist. Ahmednagar

Shirdi Sai Rural Institute's
ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA
Department Of Geography organized

Certificate course "GIS (Geographical Information System) Internal Exam Marks Date - 2 To 31 May 2022

No	Students Name	2	4	5	6	7	9	10	11	12	13	14	17	18	19	20	21	23	24	25	26	27	28	30	31
1	Bansode Pritam Jagannath	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P
2	Bansode Samadhan Dnyaneshwar	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	A	P	P	P
3	Bansode Swati Arjun	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	Bansode Vaibhav Balasaheb	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5	Chitte Mahesh Sanjay	P	P	.	P	P	P	P	P	P	P	.	P	P	P	P	P	P	P	.	P	P	P	P	P
6	Ghodeshwar Bhagyashri Baban	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	Jejurkar Pratiksha Shasikant	P	P	P	.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8	Kurhade Chandrakant Vasant	P	P	P	P	P	.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9	Londhe Gaurav Sahebrao	P	.	P	P	P	P	P	.	P	P	.	P	P	P	P	P	P	.	P	P	P	P	P	P
10	Londhe Komal Sanjay	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	Masal Ganesh Bhaurao	P	P	P	P	.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	Nikam Prasad Balu	P	P	P	P	P	.	P	P	.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	Pawar Priti Vilas	P	P	.	P	P	P	P	P	.	P	P	P	P	P	P	P	P	.	P	.	P	P	P	P

Prof. Vijay Sonwane guided on GIS



Participants of the course



[Handwritten Signature]
Head

Department of Geography
Arts, Science & Commerce College
Rahata-423107, Dist. Ahmednagar

[Handwritten Signature]

I/C PRINCIPAL
Art's, Science & Commerce College
Rahata, Dist. Ahmednagar.

Shirdi Sai Rural Institute's
ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA
Department Of Geography organized
Certificate course "GIS (Geographical Information System)
Internal Exam Marks 2 To 31 May 2022

No.	Students Name	Out of 10	Out of 10	Out of 50
1	Bansode Pritam Jagannath	08	08	40
2	Bansode Samadhan Dnyaneshwar	09	08	42
3	Bansode Swati Arjun	09	09	34
4	Bansode Vaibhav Balasaheb	07	09	39
5	Chitte Mahesh Sanjay	07	07	43
6	Ghodeshwar Bhagyashri Baban	08	07	35
7	Jejurkar Pratiksha Shasikant	08	08	36
8	Kurhade Chandrakant Vasant	09	08	38
9	Londhe Gaurav Sahebrao	07	09	44
10	Londhe Komal Sanjay	08	07	45
11	Masal Ganesh Bhaurao	09	08	39
12	Nikam Prasad Balu	06	09	41
13	Pawar Priti Vilas	06	06	42
14	Sapike Anita Bhausahab	08	08	40
15	Thakur Mahima Sunil	09	09	43
16	Thombare Prasad Shankar	09	09	40
17	Kadam Prasad Jagannath	07	07	41
18	Londhe Rahul Dattatray	08	07	35
19	VarhadeVishal Laxman	09	08	38
20	Petare Vijay Balasaheb	09	08	42
21	Sabale Sandipa Pandurang	07	09	41
22	Wable Dhiraj Balaram	07	07	39
23	Bhagvat Bapu Aarangale	08	08	38

24	Shelke Ashok Chandrabhan	08	09	38
25	Shakh Urmila Prafull	09	09	39
26	Bansode Sai Sharad	09	07	39
27	Bansode Manish Balasaheb	07	08	39
28	Chintamani Abheshek Vilas	07	09	43
29	Gaikwad Yash Sunil	08	09	35
30	Varade Santosh Ashok	08	07	36
31	Pawar Rahul Gajanan	09	07	38
32	Jadhav Josef Yakub	07	08	44
33	Mokal Vaishali Sudhakar	08	08	45
34	Tribhuwan Om Suryakant	09	09	39
35	Waghmare Abhishek Dilip	06	07	41
36	Tribhuwan Umesh Kailas	06	08	42
37	Bansode Tushar Baban	08	09	35
38	Nale Suyog Shankar	09	09	40
39	Nale Swapnmil Sunil	09	07	42
40	Nale Sidharth Babasaheb	08	07	34
41	Ajabe Nilesh Ananada	09	08	39
42	Landage Shivani Subhash	09	08	43
43	Londhe Aishvarya Babasaheb	07	09	35
44	Matsagar Isha Balasaheb	07	09	36
45	More Rutvik Gulab	08	07	38

Prof. C. M. Bansode

Dr. D. M. Nalage
 Department of Geography
 Arts, Science & Commerce College
 Rahata-423107, Dist. Ahmednagar.

Prof. S. V. Lahare
 I/C PRINCIPAL
 Art's, Science & Commerce College
 Rahata, Dist. Ahmednagar.

Shirdi Sai Rural Institute's
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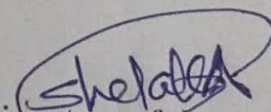
Department Of Geography organized certificate course on
"GIS (Geographical Information System)"

2 to 31 May 2022

Course Name	"G.I.S. (Geographical Information System)
Course Date	2 to 31 May 2022
Name of the Student	Shelake Ashok Chandrabhar

Please rate your Course based on the following criterion:

Sr. No	Feedback	Strongly agree	Agree	Unsure	Disagree
1.	Objectives of the course was clear	✓			
2.	The level of the course was good	✓			
3.	The course exposed you to new knowledge and practices		✓		
4.	I learned skills/concepts that I will be able to apply when working	✓			
5.	The teaching aids were effectively used	✓			
6.	The instructors encouraged interaction and were helpful	✓			


Signature of the students

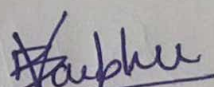
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"GIS (Geographical Information System)"

2 to 31 May 2022

Course Name	"G.I.S. (Geographical Information System)
Course Date	2 to 31 May 2022
Name of the Student	Bansode Vaibhav Balasaheb

Please rate your Course based on the following criterion:

Sr. No	Feedback	Strongly agree	Agree	Unsure	Disagree
1.	Objectives of the course was clear	✓			
2.	The level of the course was good		✓		
3.	The course exposed you to new knowledge and practices	✓			
4.	I learned skills/concepts that I will be able to apply when working	✓			
5.	The teaching aids were effectively used		✓		
6.	The instructors encouraged interaction and were helpful	✓			


Signature of the students

Shirdi Sai Rural Institute's
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Department Of Geography organized certificate course on
"GIS (Geographical Information System)"

2 to 31 May 2022

Course Name	"G.I.S. (Geographical Information System)
Course Date	2 to 31 May 2022
Name of the Student	Bansode Priteem Jageunnath

Please rate your Course based on the following criterion:

Sr. No	Feedback	Strongly agree	Agree	Unsure	Disagree
1.	Objectives of the course was clear	✓			
2.	The level of the course was good				
3.	The course exposed you to new knowledge and practices	✓			
4.	I learned skills/concepts that I will be able to apply when working	✓			
5.	The teaching aids were effectively used	✓			
6.	The instructors encouraged interaction and were helpful	✓			

Bansode, P.S.
Signature of the students

Shirdi Sai Rural Institute's
ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA

Department Of Geography organized certificate course on

"GIS (Geographical Information System)"

2 to 31 May 2022

Course Name	"G.I.S. (Geographical Information System)
Course Date	2 to 31 May 2022
Name of the Student	Bensode Swati Arjun

Please rate your Course based on the following criterion:

Sr. No	Feedback	Strongly agree	Agree	Unsure	Disagree
1.	Objectives of the course was clear	✓			
2.	The level of the course was good	✓			
3.	The course exposed you to new knowledge and practices	✓			
4.	I learned skills/concepts that I will be able to apply when working	✓			
5.	The teaching aids were effectively used	✓			
6.	The instructors encouraged interaction and were helpful		✓		

Swati
Signature of the students

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DEPARTMENT OF GEOGRAPHY

Organize certificate course on

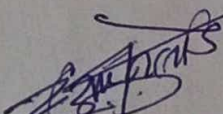
“GIS (Geographical Information System)” Date 2 to 31 May 2022

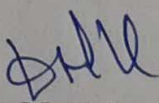
FEEDBACK ANALYSIS

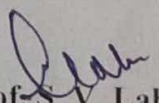
No.	Feedback Analysis Opinion					
	Question	Strongly Agree	Agree	Unsure	Disagree	Total
1	Objectives of the course was clear	40	05	-	--	45
		88.88	12.20	-	--	45
2	The level of the course was good	42	03	--	--	45
		93.33	6.77	--	--	100
3	The course exposed you to new knowledge and practices	42	03	--	--	45
		93.33	6.77	--	--	100
4	I learned skills/concepts that I will be able to apply when working	40	05	--	--	45
		88.88	12.20	--	-ss	100
5	The teaching aids were effectively used	40	05	--	--	45
		88.88	12.20	--	-	100
6	The instructors encouraged interaction and were helpful	41	04	--	--	45
		91.11	8.88	--	--	100
7	Average Total	42	03	--	--	45
8	Average Percentage	91.64	7.50	--	--	100

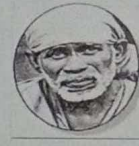
Highlight of Feedback Analysis:

1. 91.64 % participant strongly agree with all question.
2. 7.50 % participant was agree with all question.


Prof. C. M. Bansode
 Coordinator


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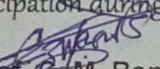
Recipient of "Best Rural College Award" from University of Pune (2012-13)

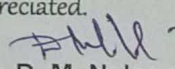
Recipient of "Best Rural College Award" from Student Welfare Board, University of Pune (2011-12)

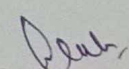
Certificate Course on

**" GIS (GEOGRAPHICAL INFORMATION SYSTEM)"
CERTIFICATE**

This is to certify that Mr./Miss.....has
participated in the certificate course on "G.I.S. (GEOGRAPHICAL INFORMATION SYSTEM)" Organized by the
Department of Geography of Arts, Science and Commerce College, Rahata held on 2nd To 31st May 2022. His / hers active
participation during training programme is deeply appreciated.


Prof. C. M. Bansode
Coordinator


Dr. D. M. Nalage
Head of Department


Prof. S. V. Lahare
Principal