

GRAMGEETA MAHAVIDYALAYA, CHIMUR

TA - CHIMUR DIST. CHANDRAPUR

Department of Chemistry

Certificate Course on Water Analysis

Session: 2019-20

Notice

All the students of B.Sc. III are hereby informed that Dept. of Chemistry Start up Certificate Course in **Water Analysis**. Only **20 Seat** are available, Interested Students Can Register their Name to Course Coordinator at the dept. of Chemistry within 08 Days from the Notice. This course will be Resuming in the last week of December.

Date: 09/12/2019

Course Coordinator

Head of department

Head

Department of Chemistry
Gramgeeta Mahavidyalay, Chimur

GRAMGEETA MAHAVIDYALAYA, CHIMUR

TA.- CHIMUR DIST. CHANDRAPUR

Department of Chemistry

Certificate Course on Water Analysis

Session: 2019-20

Notice

All the students of B.Sc. - III are hereby informed that their Certificate Course in **Water Analysis** will be start form Dt. 30/12/2019. You are requested to attend the class regularly as on their Time Table. Time Table is displayed on Notice Board.

Date:

Course Coordinator

Head of Department

Department of Chemistry
Gramgeeta Mahavidyalay, Chimur

**GRAMGEETA MAHAVIDYALAYA, CHIMUR TAH. CHIMUR
DIST. CHANDRAPUR**

**Department of Chemistry
Certificate Course on Water Analysis
Session: 2019-20**

List of students

Sr. No.	Name of Students	Class	Signature
1	Asmita Jagdeo Meshram	B.Sc. III rd year	
2	Punam Patruji Dadmal	B.Sc. III rd year	
3	Rajeshri Bandu Sahare	B.Sc. III rd year	
4	Rani Bandu Sahare	B.Sc. III rd year	
5	Manjusha Prabhakar Kamdi	B.Sc. III rd year	
6	Nita Dilip Bawane	B.Sc. III rd year	
7	Saurabh Rameshwar Kamdi	B.Sc. III rd year	
8	Prajakta Ravindra Mangekar	B.Sc. III rd year	
9	Aditi Shyam Bokare	B.Sc. III rd year	
10	Hemant Arun Shrivastava	B.Sc. III rd year	
11	Sanesh Purushottam Dahikar	B.Sc. III rd year	
12	Nuhali Kishor Durugkar	B.Sc. III rd year	
13	Kajal sunil shende	B.Sc. III rd year	
14	Kanchan Rajkumar Waghmare	B.Sc. III rd year	
15	Payal Govindrao Jiwade	B.Sc. III rd year	
16	Mamta Nandkishor Korwate	B.Sc. III rd year	
17	Mayuri Devidas Vaidya	B.Sc. III rd year	
18	Kanchan Krishna Meshram	B.Sc. III rd year	
19			
20			

Head

Department of Chemistry
Gramgeeta Mahavidyalay, Chimur

GRAMGEETA MAHAVIDYALAYA, CHIMUR TAH. CHIMUR
DIST. CHANDRAPUR
Department of Chemistry
Certificate Course on Water Analysis
Session: 2019-20

STUDENTS REGISTRATION FORM

Reg. No.: 001.....

Date: 09/12/2019

NAME OF THE CANDIDATE Meshram Abhita Jagdeo
(Surname) (Name) (Father's Name)

CLASS: B.Sc - IIIrd years MEDIUM: English

NAME OF COLLEGE: Gramgeeta Mahavidyalaya chimur

NATIONALITY: Indian RELIGION: Hindu

DATE OF BIRTH: 5/2/1994 (DD/MM/YYYY)

Abhita J. Meshram

~~Meshram~~

Name and Signature of Applicant

GRAMGEETA MAHAVIDYALAYA, CHIMUR TAH. CHIMUR
DIST. CHANDRAPUR
Department of Chemistry
Certificate Course on Water Analysis
Session: 2019-20

STUDENTS REGISTRATION FORM

Reg. No.: 002

Date: 09/12/2019

NAME OF THE CANDIDATE Dadmal Punam Patouji
(Surname) (Name) (Father's Name)

CLASS: B.sc IIIrd year MEDIUM: english

NAME OF COLLEGE: Gramgeeta Mahavidyalaya chimur

NATIONALITY: Indian RELIGION: Hindu

DATE OF BIRTH 29/07/1999 (DD/MM/YYYY)



Punam P. Dadmal
Name and Signature of Applicant

GRAMGEETA MAHAVIDYALAYA, CHIMUR TAH. CHIMUR
DIST. CHANDRAPUR
Department of Chemistry
Certificate Course on Water Analysis
Session: 2019-20

STUDENTS REGISTRATION FORM

Reg. No.: 023.....

Date: 10/12/2019

NAME OF THE CANDIDATE Sahare Rajeshri Bandu
(Surname) (Name) (Father's Name)

CLASS: BSC IIIrd yr MEDIUM: English

NAME OF COLLEGE: Gramgeeta mahavidyalaya chimur

NATIONALITY: Indian RELIGION: Hindu

DATE OF BIRTH: 18/8/1999 (DD/MM/YYYY)

Sahare

Rajeshri. B. Sahare
Name and Signature of Applicant

GRAMGEETA MAHAVIDYALAYA, CHIMUR TAH. CHIMUR
DIST. CHANDRAPUR
Department of Chemistry
Certificate Course on Water Analysis
Session: 2019-20

STUDENTS REGISTRATION FORM

Reg. No.: 004

Date: 10/12/2019

NAME OF THE CANDIDATE Sahare Romi Bonde
(Surname) (Name) (Father's Name)

CLASS: B.Sc. IIIrd year MEDIUM: English

NAME OF COLLEGE: Gramgeeta mahavidyalaya, chimur

NATIONALITY: Indian RELIGION: Hindu

DATE OF BIRTH: 19/05 / 2000 (DD/MM/YYYY)

Rohare:
Romi Bonde Sahare.
Name and Signature of Applicant

GRAMGEETA MAHAVIDYALAYA, CHIMUR TAH. CHIMUR
DIST. CHANDRAPUR
Department of Chemistry
Certificate Course on Water Analysis
Session: 2019-20

STUDENTS REGISTRATION FORM

Reg. No.: 005.....

Date: 10/12/2019

NAME OF THE CANDIDATE Manjusha Prabhakar Kamdi
(Surname) (Name) (Father's Name)

CLASS: B.Sc IIIrd year MEDIUM: English

NAME OF COLLEGE: Gramgeeta Mahavidyalaya Chimur

NATIONALITY: Indian RELIGION: Hindu

DATE OF BIRTH: 18/07/1996 (DD/MM/YYYY)

Manjusha P. Kamdi
(Signature)

Name and Signature of Applicant

GRAMGEETA MAHAVIDYALAYA, CHIMUR TAH. CHIMUR
DIST. CHANDRAPUR
Department of Chemistry
Certificate Course on Water Analysis
Session: 2019-20

STUDENTS REGISTRATION FORM

Reg. No.: 006.....

Date: 10/12/2019

NAME OF THE CANDIDATE Baulane Nita Dilip
(Surname) (Name) (Father's Name)

CLASS: BSc IIIrd year MEDIUM: english

NAME OF COLLEGE: gramgeeta mahavidyalaya chimur

NATIONALITY: indian RELIGION: Hindu

DATE OF BIRTH: 4/11/1997 (DD/MM/YYYY) 4-11-1997

Baulane

Nita D. Baulane

Name and Signature of Applicant

GRAMGEETA MAHAVIDYALAYA, CHIMUR TAH. CHIMUR
DIST. CHANDRAPUR
Department of Chemistry
Certificate Course on Water Analysis
Session: 2019-20

STUDENTS REGISTRATION FORM

Reg. No.: 007

Date: 10/12/2019

NAME OF THE CANDIDATE Kamdi Sawabh Ramenwal
(Surname) (Name) (Father's Name)

CLASS: Bsc III year MEDIUM: English

NAME OF COLLEGE: Gramgeeta Mahavidyalaya Chimur

NATIONALITY: Indian RELIGION: Hindu

DATE OF BIRTH: 25/12/1998 (DD/MM/YYYY)


Name and Signature of Applicant

GRAMGEETA MAHAVIDYALAYA, CHIMUR TAH. CHIMUR
DIST. CHANDRAPUR
Department of Chemistry
Certificate Course on Water Analysis
Session: 2019-20

STUDENTS REGISTRATION FORM

Reg. No.:.....008.....

Date: 10/12/2019

NAME OF THE CANDIDATE Mangekar Peajakta Ravinda.
(Surname) (Name) (Father's Name)

CLASS: Bsc. IIIrd year MEDIUM: English

NAME OF COLLEGE: Gramgeeta Mahavidyalaya chimur.

NATIONALITY: Indian RELIGION: Hindi

DATE OF BIRTH: 24/5/1998 (DD/MM/YYYY)

Mangekar

Name and Signature of Applicant

GRAMGEETA MAHAVIDYALAYA, CHIMUR TAH. CHIMUR
DIST. CHANDRAPUR
Department of Chemistry
Certificate Course on Water Analysis
Session: 2019-20

STUDENTS REGISTRATION FORM

Reg. No.: 009

Date: 11/12/2019

NAME OF THE CANDIDATE Bokare Aditi Shyam
(Surname) (Name) (Father's Name)

CLASS: B.Sc IIIrd yr MEDIUM: English

NAME OF COLLEGE: Gramgeeta mahavidhyal chimur

NATIONALITY: Indian RELIGION: Hindu

DATE OF BIRTH: / / (DD/MM/YYYY)

Aditi Shyam Bokare
A.S. Bokare

Name and Signature of Applicant

GRAMGEETA MAHAVIDYALAYA, CHIMUR TAH. CHIMUR
DIST. CHANDRAPUR
Department of Chemistry
Certificate Course on Water Analysis
Session: 2019-20

STUDENTS REGISTRATION FORM

Reg. No.:.....010.....

Date: 11/12/2019

NAME OF THE CANDIDATE Shirame Hemant Arun
(Surname) (Name) (Father's Name)

CLASS: B.Sc MEDIUM:

NAME OF COLLEGE: Gramgeeta Mahavidyalaya, chimur

NATIONALITY: Indian RELIGION: Hindu

DATE OF BIRTH: 15/12 / 1998 (DD/MM/YYYY)

Arun
Name and Signature of Applicant

GRAMGEETA MAHAVIDYALAYA, CHIMUR TAH. CHIMUR
DIST. CHANDRAPUR
Department of Chemistry
Certificate Course on Water Analysis
Session: 2019-20

STUDENTS REGISTRATION FORM

Reg. No.:.....011.....

Date: 11/12/2019

NAME OF THE CANDIDATE Dahikor Granesh Preshotam
(Surname) (Name) (Father's Name)

CLASS: B.Sc. MEDIUM: Hindi

NAME OF COLLEGE: Gramgeeta Mahavidyalaya Chimur

NATIONALITY: RELIGION:

DATE OF BIRTH: 27/9/1993 (DD/MM/YYYY)



Name and Signature of Applicant

GRAMGEETA MAHAVIDYALAYA, CHIMUR TAH. CHIMUR
DIST. CHANDRAPUR
Department of Chemistry
Certificate Course on Water Analysis
Session: 2019-20

STUDENTS REGISTRATION FORM

Reg. No.: 012

Date: 11/12/2019

NAME OF THE CANDIDATE Dusugkar Nahali Kishor
(Surname) (Name) (Father's Name)

CLASS: B.Sc MEDIUM:

NAME OF COLLEGE: Gramgeeta Mahavidyalaya, Chimur

NATIONALITY: Indian RELIGION: Hindu

DATE OF BIRTH: 10/11/1999 (DD/MM/YYYY)

Dusugkar
Name and Signature of Applicant

GRAMGEETA MAHAVIDYALAYA, CHIMUR TAH. CHIMUR
DIST. CHANDRAPUR
Department of Chemistry
Certificate Course on Water Analysis
Session: 2019-20

STUDENTS REGISTRATION FORM

Reg. No.: 013

Date: 12/12/2019

NAME OF THE CANDIDATE Shende Rajal Sunil
(Surname) (Name) (Father's Name)

CLASS: B.Sc MEDIUM:

NAME OF COLLEGE: Gramgeeta Mahavidyalay chimur

NATIONALITY: Indian RELIGION: Hindu

DATE OF BIRTH: 08/05/1999 (DD/MM/YYYY)

Ashwale
Name and Signature of Applicant

GRAMGEETA MAHAVIDYALAYA, CHIMUR TAH. CHIMUR
DIST. CHANDRAPUR
Department of Chemistry
Certificate Course on Water Analysis
Session: 2019-20

STUDENTS REGISTRATION FORM

Reg. No.:.....014.....

Date: 12/12/2019

NAME OF THE CANDIDATE Waghmare Kemchan Rajkumar
(Surname) (Name) (Father's Name)

CLASS: B.Sc MEDIUM: English

NAME OF COLLEGE: Gramgeet mahavidhyaly chimur

NATIONALITY: Indian RELIGION: Hindu

DATE OF BIRTH: 19/04/1998 (DD/MM/YYYY)

K.R. Waghmare

Name and Signature of Applicant

GRAMGEETA MAHAVIDYALAYA, CHIMUR TAH. CHIMUR
DIST. CHANDRAPUR
Department of Chemistry
Certificate Course on Water Analysis
Session: 2019-20

STUDENTS REGISTRATION FORM

Reg. No.:.....015.....

Date: 12/12/2019

NAME OF THE CANDIDATE Jiwade Payal Gowindrao
(Surname) (Name) (Father's Name)

CLASS: B.sc IIIrd Year MEDIUM: English

NAME OF COLLEGE: Gramgeeta Mahavidyalaya, Chimur

NATIONALITY: Indian RELIGION: Hindu

DATE OF BIRTH: 2/07/98 (DD/MM/YYYY)

Name and Signature of Applicant

GRAMGEETA MAHAVIDYALAYA, CHIMUR TAH. CHIMUR
DIST. CHANDRAPUR
Department of Chemistry
Certificate Course on Water Analysis
Session: 2019-20

STUDENTS REGISTRATION FORM

Reg. No.: 016.....

Date: 12/12/2019

NAME OF THE CANDIDATE
(Surname) (Name) (Father's Name)

CLASS: B.Sc IIIrd year MEDIUM: English

NAME OF COLLEGE: Gramgeeta Mahavidyalaya, Chimur

NATIONALITY: Indian RELIGION: Hindu

DATE OF BIRTH: 6/01/99 (DD/MM/YYYY)

Name and Signature of Applicant

GRAMGEETA MAHAVIDYALAYA, CHIMUR TAH. CHIMUR
DIST. CHANDRAPUR
Department of Chemistry
Certificate Course on Water Analysis
Session: 2019-20

STUDENTS REGISTRATION FORM

Reg. No.: 017

Date: ..13/12/2019

NAME OF THE CANDIDATE Vaidya Mayuri Devidas
(Surname) (Name) (Father's Name)

CLASS: B.Sc IIIrd year MEDIUM: English

NAME OF COLLEGE: Gramgeeta Mahavidyalaya chimur

NATIONALITY: Indian RELIGION: Hindu

DATE OF BIRTH: 1 / 12 / 1998 (DD/MM/YYYY)

M. D. Vaidya

Name and Signature of Applicant

GRAMGEETA MAHAVIDYALAYA, CHIMUR TAH. CHIMUR
DIST. CHANDRAPUR
Department of Chemistry
Certificate Course on Water Analysis
Session: 2019-20

STUDENTS REGISTRATION FORM

Reg. No.:.....018.....

Date: 13/12/2019

NAME OF THE CANDIDATE Meshram Kanchan : Krishna
(Surname) (Name) (Father's Name)

CLASS: B.Sc - IIIrd year MEDIUM: English

NAME OF COLLEGE: Gramgeeta Mahavidyalaya Chimur

NATIONALITY: Indian RELIGION: Hindu

DATE OF BIRTH: 26/06/1999 (DD/MM/YYYY)

Meshram
Kanchan, K. Meshram
Name and Signature of Applicant

GRAMGEETA MAHAVIDYALAYA, CHIMUR

TA- CHIMUR DIST. CHANDRAPUR

Department of Chemistry

Certificate Course on Water Analysis

Session: 2019-20

Syllabus

Theory

Unit 1:-

- A) Laboratory Apparatus, Reagents and Techniques, Precision, Accuracy, and Correctness of Analysis, Sampling, Water quality standards: Indian Standards for Drinking Water (IS 10500-1983), Irrigation standards.
- B) Physical characterization: Introduction, Appearance, color, Odor, Temperature, Specific Conductivity.

[8 Hr]

Unit 2:-

- A) Chemical Characterization: pH, Total Alkalinity, Chloride, Hardness, Calcium, Magnesium.
- B) Fluoride, Sulphate, Nitrate, Langelier Saturation Index (LSI), Suitability of water for irrigation.

[8 Hr]

Practicals

1. To Determine Temperature, Specific Conductivity and pH of the water samples
2. Determination of total hardness of water (calcium and magnesium) by EDTA
3. Determination To determine Chloride Ion Concentration in a water sample by Titration
4. To determine Alkalinity in a water sample by Titration.

[8 Hr]

References:

- NEERI, Manual for water and waste water (1986)
- APHA, AWWA – Standard methods for the examination of water and waste water, 16th Edition, USA. (1985).
- Central pollution control board; Guide Manual: Water and Wastewater Analysis.
- Bureau of Indian Standard (BIS) for Drinking Water Specification IS:10500, BIS, New Delhi, India, 1991.
- DARA S. S. (2007) "A text book of engineering Chemistry" S. Chand, New Delhi
- Sharma B. K., (2001) "Industrial Chemistry" Goel Publishing house, Meerut

- Trivedi, R.K. and Goel,P.K.,(1984) "Chemical and biological methods for water pollution studies". *Environmental Publications Karad*, India
- WHO (2003). Guidelines for Drinking Water Quality, 3rd ed., World Health Organization, Geneva.

Distribution of marks for Theory and Practical Examination

Theory

MCQ based on Syllabus-----30 Marks [1 Hr]

Practicals

Practical based on syllabus-----20 Marks [5 Hr]


Course Coordinator

Mrs. Varada V. Khati


Head of Department

Mr. H. D. Anande
Head
Department of Chemistry
Gramgeeta Mahavidyalay, Chimur


Principal

Dr. A. A. Dhamani
Principal
Gramgeeta Mahavidyalaya
Chimur, Dist. Chandrapur

GRAMGEETA MAHAVIDYALAYA, CHIMUR TAH. CHIMUR
DIST. CHANDRAPUR
Department of Chemistry
Certificate Course on Water Analysis
Session: 2019-20

Time Table

Duration - 30 December to 13 January

Day	Time	Class
Monday	1.00-3.00 PM	Theory (Mr. H. D. Anande)
Tuesday	1.00-3.00 PM	Theory (Miss. P. J. Khobragade)
Wednesday	1.00-3.00 PM	Theory (Mr. H. D. Anande)
Thursday	1.00-3.00 PM	Theory (Mrs. V.V. Khati)
Friday	1.00-3.00 PM	Practical (Mrs. V.V. Khati)
Saturday	1.00-3.00 PM	Practical (Miss. P. J. Khobragade)

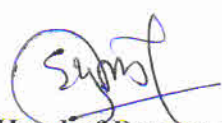
Practical Examination:- 14 January 2020

Timing- 1 PM to 6 PM

Theory Examination:- 15 January 2020

Timing- 1 PM to 2 PM


Course Coordinator


Head of Department
Department of Chemistry
Gramgeeta Mahavidyalay, Chimur

GRAMGEETA MAHAVIDYALAYA, CHIMUR TAH. CHIMUR DIST. CHANDRAPUR

Department of Chemistry

Certificate Course on Water Analysis

Session: 2019-20

Attendance list

Sr. No	Name of Students	Signature														Practical Exam	Theory Exam
		30/12/19	31/12/19	01/01/20	02/01/20	03/01/20	04/01/20	06/01/20	07/01/20	08/01/20	09/01/20	10/01/20	11/01/20	13/01/20	14/01/20		
1	Miss. Aditi Shyam Bokare	A.S. Bokare	A.S. Bokare	A.S. Bokare	A.S. Bokare	A.S. Bokare	A.S. Bokare	A.S. Bokare	A.S. Bokare	A.S. Bokare	A.S. Bokare	A.S. Bokare	A.S. Bokare	A.S. Bokare	A.S. Bokare	A.S. Bokare	
2	Miss. Asmita Jagdeo Meshram	Anestran	Anestran	Anestran	Anestran	Anestran	Anestran	Anestran	Anestran	Anestran	Anestran	Anestran	Anestran	Anestran	Anestran	Anestran	
3	Mr. Ganesh Purushottam Dahikar	Pahikar	Pahikar	Pahikar	Pahikar	Pahikar	Pahikar	Pahikar	Pahikar	Pahikar	Pahikar	Pahikar	Pahikar	Pahikar	Pahikar	Pahikar	
4	Mr. Hemant Arun shrirame	Jirao	Jirao	Jirao	Jirao	Jirao	Jirao	Jirao	Jirao	Jirao	Jirao	Jirao	Jirao	Jirao	Jirao	Jirao	
5	Miss. Kajal Sunil Shende	Bhende	Bhende	Bhende	Bhende	Bhende	Bhende	Bhende	Bhende	Bhende	Bhende	Bhende	Bhende	Bhende	Bhende	Bhende	
6	Miss. Kanchan Krushna Meshram	Kmeshram	Kmeshram	Kmeshram	Kmeshram	Kmeshram	Kmeshram	Kmeshram	Kmeshram	Kmeshram	Kmeshram	Kmeshram	Kmeshram	Kmeshram	Kmeshram	Kmeshram	
7	Miss. Kanchan Rajkumar Waghmare	K.R. Waghmare	K.R. Waghmare	K.R. Waghmare	K.R. Waghmare	K.R. Waghmare	K.R. Waghmare	K.R. Waghmare	K.R. Waghmare	K.R. Waghmare	K.R. Waghmare	K.R. Waghmare	K.R. Waghmare	K.R. Waghmare	K.R. Waghmare	K.R. Waghmare	
8	Miss. Mamta Nandkishor Korwate	MND	MND	MND	MND	MND	MND	MND	MND	MND	MND	MND	MND	MND	MND	MND	
9	Miss. Manjusha Prabhakar Kamdi	Maryi	Maryi	Maryi	Maryi	Maryi	Maryi	Maryi	Maryi	Maryi	Maryi	Maryi	Maryi	Maryi	Maryi	Maryi	
10	Miss. Mayuri Devidas Vaidya	M.D. Vaidya	M.D. Vaidya	M.D. Vaidya	M.D. Vaidya	M.D. Vaidya	M.D. Vaidya	M.D. Vaidya	M.D. Vaidya	M.D. Vaidya	M.D. Vaidya	M.D. Vaidya	M.D. Vaidya	M.D. Vaidya	M.D. Vaidya	M.D. Vaidya	
11	Miss. Nita Dilip Bawane	NBawane	NBawane	NBawane	NBawane	NBawane	NBawane	NBawane	NBawane	NBawane	NBawane	NBawane	NBawane	NBawane	NBawane	NBawane	
12	Miss. Nuhali Kishor Durugkar	Durugkar	Durugkar	Durugkar	Durugkar	Durugkar	Durugkar	Durugkar	Durugkar	Durugkar	Durugkar	Durugkar	Durugkar	Durugkar	Durugkar	Durugkar	
13	Miss. Payal Govindrao Jiwtode	Plode	Plode	Plode	Plode	Plode	Plode	Plode	Plode	Plode	Plode	Plode	Plode	Plode	Plode	Plode	
14	Miss. Prajakta Ravindra Mangekar	Mrangekar	Mrangekar	Mrangekar	Mrangekar	Mrangekar	Mrangekar	Mrangekar	Mrangekar	Mrangekar	Mrangekar	Mrangekar	Mrangekar	Mrangekar	Mrangekar	Mrangekar	
15	Miss. Punam Patruji Dadmal	P.Dadmal	P.Dadmal	P.Dadmal	P.Dadmal	P.Dadmal	P.Dadmal	P.Dadmal	P.Dadmal	P.Dadmal	P.Dadmal	P.Dadmal	P.Dadmal	P.Dadmal	P.Dadmal	P.Dadmal	
16	Miss. Rajeshri Bandu Sahare	Bahare	Bahare	Bahare	Bahare	Bahare	Bahare	Bahare	Bahare	Bahare	Bahare	Bahare	Bahare	Bahare	Bahare	Bahare	
17	Miss. Rani Bandu Sahare	Bahare	Bahare	Bahare	Bahare	Bahare	Bahare	Bahare	Bahare	Bahare	Bahare	Bahare	Bahare	Bahare	Bahare	Bahare	
18	Mr. Saurabh Rameshwar Kamdi	Srj	Srj	Srj	Srj	Srj	Srj	Srj	Srj	Srj	Srj	Srj	Srj	Srj	Srj	Srj	

(Signature)
 Head
 Department of Chemistry

GRAMGEETA MAHAVIDYALAYA, CHIMUR

Dist- Chandrapur-442903

DEPARTMENT OF CHEMISTRY

Report of Two Weeks Certificate Course on 'Water Analysis'

The two week certificate course on "water analysis" is conducted by Department of Chemistry, Gramgeeta Mahavidyalaya, Chimur in the session 2019-20. Duration for the course was from 30 December 2019 to 13 January 2020.

This course examines the current approaches to water quality analysis. Specific topics covered in the course include different water sources, water quality standards of drinking water and its analysis.

This certificate course was flexible structure which allowed the students to manage simultaneously both graduation classes and also course work. In this academic year total 18 students enrolled from B. Sc. Final year. Mr. H. D. Anande, Mrs. V.V. Khati and Miss P. J. Khabragade engaged their theory and practical classes. After completion of the certificate course students -

- > Identified water quality using different analytical methods.
- > Understood the relationship between water quality and human health.
- > Understood the impact of water and water related issues in an environment.

Students of the certificate course are examined on the basis of five hours practical examination conducted on 14 January 2020 and also one hour objective type theory examination on the topics given in the syllabus which were conducted on dated 15 January 2020.

All the students enrolled for the course successfully completed their certificate course work and qualify their theory and practical examinations appreciated with the distribution of the certificate.



Course Coordinator

(Mrs. V.V. Khati)



Head of Department

Mr. H.D. Anande
Head

Department of Chemistry
Gramgeeta Mahavidyalaya, Chimur

GRAMGEETA MAHAVIDYALAYA, CHIMUR

TA - CHIMUR DIST. CHANDRAPUR

Department of Chemistry

Certificate Course on Water Analysis

Session: 2019-20

Duration: 30 Hrs

Course Structure

This course examines the current approaches to water quality analysis. Specific topics covered in the course include different water sources, water quality standards of drinking water and its analysis.

Goal of the Course

- To identify water quality of different water resources using different analytical methods.
- To provide an overview of important relationship between water quality and human health.
- To understand the impact of water and water related issues in an environmental and societal context.

Learning Outcomes

- To develops Ability to use the techniques and skills necessary for water analysis.
- To develops an ability of Applying knowledge of science and mathematics for environmental related issue.
- An ability to identify, formulate and solve environmental problems.



Course Coordinator

(Mrs. V. V. Khate)



Head Department
Department of Chemistry
Gramgeeta Mahavidyalay, Chimur



**GRAMGEETA MAHAVIDYALAYA
CHIMUR
DEPARTMENT OF CHEMISTRY**

CERTIFICATE OF COMPLETION

This is to certify that

KU. Asmita Jagdeo Meshram

has successfully completed the Certificate Course on '
' Water Analysis ' Conducted by the Department of
Chemistry in the Session 2019-20.

Mrs. V. V. Khati

Course Coordinator

Mr. H. D. Anande

Head of Department

Dr. A. A. Dhamani

Principal



**GRAMGEETA MAHAVIDYALAYA
CHIMUR
DEPARTMENT OF CHEMISTRY**

CERTIFICATE OF COMPLETION

This is to certify that

Ku. Punam Patruji Dadmal

has successfully completed the Certificate Course on '
'Water Analysis' Conducted by the Department of
Chemistry in the Session 2019-20.

V. V. Khati

Mrs. V. V. Khati

Course Coordinator

H. D. Anande

Mr. H. D. Anande

Head of Department

A. A. Dhamani

Dr. A. A. Dhamani

Principal



**GRAMGEETA MAHAVIDYALAYA
CHIMUR
DEPARTMENT OF CHEMISTRY**

CERTIFICATE OF COMPLETION

This is to certify that

ku. Rajeshri Bandu Sahare

has successfully completed the Certificate Course on '
'Water Analysis' Conducted by the Department of
Chemistry in the Session 2019-20.

Mrs. V. V. Khati

Course Coordinator

Mr. H. D. Anande

Head of Department

Dr. A. A. Dhamani

Principal



**GRAMGEETA MAHAVIDYALAYA
CHIMUR
DEPARTMENT OF CHEMISTRY**

CERTIFICATE OF COMPLETION

This is to certify that

Ku. Rani Bandu Sahare

has successfully completed the Certificate Course on '
' Water Analysis ' Conducted by the Department of
Chemistry in the Session 2019-20.

Mrs. V. V. Khati

Course Coordinator

Mr. H. D. Anande

Head of Department

Dr. A. A. Dhamani

Principal



**GRAMGEETA MAHAVIDYALAYA
CHIMUR
DEPARTMENT OF CHEMISTRY**

CERTIFICATE OF COMPLETION

This is to certify that

Ku. Manjusha Prakhakar Kamdi

has successfully completed the Certificate Course on '
'Water Analysis' Conducted by the Department of
Chemistry in the Session 2019-20.

Mrs. V. V. Khati
Course Coordinator

Mr. H. D. Anande
Head of Department

Dr. A. A. Dhamani
Principal



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CHIMUR
DEPARTMENT OF CHEMISTRY**

CERTIFICATE OF COMPLETION

This is to certify that

Ku. Nita Dilip Bawne

has successfully completed the Certificate Course on '
'Water Analysis' Conducted by the Department of
Chemistry in the Session 2019-20.

Mrs. V. V. Khati
Course Coordinator

Mr. H. D. Anande
Head of Department

Dr. A. A. Dhamani
Principal



**GRAMGEETA MAHAVIDYALAYA
CHIMUR
DEPARTMENT OF CHEMISTRY**

CERTIFICATE OF COMPLETION

This is to certify that

Mr. Saurabh Rameshwar Kamdi

has successfully completed the Certificate Course on '
'Water Analysis' Conducted by the Department of
Chemistry in the Session 2019-20.

Mrs. V. V. Khati

Course Coordinator

Mr. H. D. Anande

Head of Department

Dr. A. A. Dhamani

Principal



**GRAMGEETA MAHAVIDYALAYA
CHIMUR
DEPARTMENT OF CHEMISTRY**

CERTIFICATE OF COMPLETION

This is to certify that

Ku. Prajakta Ravindra Mangekar

has successfully completed the Certificate Course on '
'Water Analysis' Conducted by the Department of
Chemistry in the Session 2019-20.

Mrs. V. V. Khati

Course Coordinator

Mr. H. D. Anande

Head of Department

Dr. A. A. Dhamani

Principal



**GRAMGEETA MAHAVIDYALAYA
CHIMUR
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CERTIFICATE OF COMPLETION

This is to certify that

ku. Aditi shyam Bokare

has successfully completed the Certificate Course on '
' Water Analysis ' Conducted by the Department of
Chemistry in the Session 2019-20.

Mrs. V. V. Khati

Course Coordinator

Mr. H. D. Anande

Head of Department

Dr. A. A. Dhamani

Principal



**GRAMGEETA MAHAVIDYALAYA
CHIMUR
DEPARTMENT OF CHEMISTRY**

CERTIFICATE OF COMPLETION

This is to certify that

Mr. Hemant Arun Shrirame

has successfully completed the Certificate Course on '
' Water Analysis ' Conducted by the Department of
Chemistry in the Session 2019-20.

Mrs. V. V. Khati
Course Coordinator

Mr. H. D. Anande
Head of Department

Dr. A. A. Dhamani
Principal



**GRAMGEETA MAHAVIDYALAYA
CHIMUR
DEPARTMENT OF CHEMISTRY**

CERTIFICATE OF COMPLETION

This is to certify that

Mr. Ganesh Purushattam Dahikar

has successfully completed the Certificate Course on '
' Water Analysis ' Conducted by the Department of
Chemistry in the Session 2019-20.

Mrs. V. V. Khati

Course Coordinator

Mr. H. D. Anande

Head of Department

Dr. A. A. Dhamani

Principal



**GRAMGEETA MAHAVIDYALAYA
CHIMUR
DEPARTMENT OF CHEMISTRY**

CERTIFICATE OF COMPLETION

This is to certify that

Ku. Nuhali Kishor Durugkar

has successfully completed the Certificate Course on '
' Water Analysis ' Conducted by the Department of
Chemistry in the Session 2019-20.

Mrs. V. V. Khati

Course Coordinator

Mr. H. D. Anande

Head of Department

Dr. A. A. Dhamani

Principal



**GRAMGEETA MAHAVIDYALAYA
CHIMUR
DEPARTMENT OF CHEMISTRY**

CERTIFICATE OF COMPLETION

This is to certify that

ku. Kajal Sunil shende

has successfully completed the Certificate Course on '
' Water Analysis ' Conducted by the Department of
Chemistry in the Session 2019-20.

Mrs. V. V. Khati
Course Coordinator

Mr. H. D. Anande
Head of Department

Dr. A. A. Dhamani
Principal



**GRAMGEETA MAHAVIDYALAYA
CHIMUR
DEPARTMENT OF CHEMISTRY**

CERTIFICATE OF COMPLETION

This is to certify that

KU. Kanchan Rajkumar Waghmare

has successfully completed the Certificate Course on '
'Water Analysis' Conducted by the Department of
Chemistry in the Session 2019-20.

Mrs. V. V. Khati

Course Coordinator

Mr. H. D. Anande

Head of Department

Dr. A. A. Dhamani

Principal



**GRAMGEETA MAHAVIDYALAYA
CHIMUR
DEPARTMENT OF CHEMISTRY**

CERTIFICATE OF COMPLETION

This is to certify that

Ku. Payal Govindrao Jiwade

has successfully completed the Certificate Course on '
'Water Analysis' Conducted by the Department of
Chemistry in the Session 2019-20.

Mrs. V. V. Khati

Course Coordinator

Mr. H. D. Anande

Head of Department

Dr. A. A. Dhamani

Principal



**GRAMGEETA MAHAVIDYALAYA
CHIMUR
DEPARTMENT OF CHEMISTRY**

CERTIFICATE OF COMPLETION

This is to certify that

ku. Mamta Nandkishor Korwate

has successfully completed the Certificate Course on '
'Water Analysis' Conducted by the Department of
Chemistry in the Session 2019-20.

Mrs. V. V. Khati

Course Coordinator

Mr. H. D. Anande

Head of Department

Dr. A. A. Dhamani

Principal



**GRAMGEETA MAHAVIDYALAYA
CHIMUR
DEPARTMENT OF CHEMISTRY**

CERTIFICATE OF COMPLETION

This is to certify that

Ku. Mayuri Devidas Vaidya

has successfully completed the Certificate Course on '
' Water Analysis ' Conducted by the Department of
Chemistry in the Session 2019-20.

Mrs. V. V. Khati
Course Coordinator

Mr. H. D. Anande
Head of Department

Dr. A. A. Dhamani
Principal



**GRAMGEETA MAHAVIDYALAYA
CHIMUR
DEPARTMENT OF CHEMISTRY**

CERTIFICATE OF COMPLETION

This is to certify that

Ku. Kanchan Krushna Meshram

has successfully completed the Certificate Course on '
'Water Analysis' Conducted by the Department of
Chemistry in the Session 2019-20.

Mrs. V. V. Khati

Course Coordinator

Mr. H. D. Anande

Head of Department

Dr. A. A. Dhamani

Principal