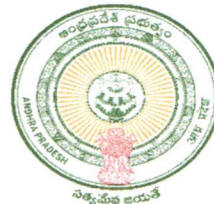




**GOVERNMENT DEGREE COLLEGE,
CHEBROLE**
Guntur District, Andhra Pradesh, Pin 522212
Affiliated to Acharya Nagarjuna University
Email: jkc.chebrole@gmail.com Phone No. 08644-254221



CHEMISTRY DEPARTMENT

CERTIFICATE COURSE ON ROLE OF CHEMISTRY IN EVERY DAY LIFE FROM 06-06-2023 TO 13-07-2023

**ACADEMIC YEAR
2022-23**



**GOVERNMENT DEGREE COLLEGE,
CHEBROLE, GUNTUR DISTRICT.**



**GOVERNMENT DEGREE COLLEGE,
CHEBROLE**

Guntur District, Andhra Pradesh, Pin 522212

Affiliated to Acharya Nagarjuna University

Email: jkc.chebrole@gmail.com

Phone No. 08644-254221



Date: 03-06-2023

DEPARTMENT OF CHEMISTRY

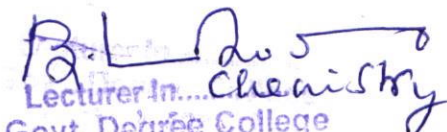
CIRCULAR

Department of Chemistry has organized a Certificate Course to enhance the Knowledge of students in Chemistry subject. This Course is for all Science students in the college. This course would be start on 06-06-2023 and would be completed on 13-07-2023. The details of the course are given below.

Course Name: Role of Chemistry in Everyday Life.

Course Duration: 30 hours.


PRINCIPAL
GOVT. DEGREE COLLEGE
CHEBROLE, Guntur Dt. (A.P.)


Lecturer in Chemistry
Govt. Degree College
Chebrole-522 212

IBSC MPC } B2C
B2C } B2C



THE UNIVERSITY OF CHICAGO
 OFFICE OF THE DEAN
 5408 S. UNIVERSITY AVE.
 CHICAGO, ILL. 60637
 TEL: 773-936-5000
 FAX: 773-936-5001



OFFICE OF THE DEAN

MEMORANDUM

TO: THE DEAN, UNIVERSITY OF CHICAGO
 FROM: [Name]
 SUBJECT: [Topic]
 [Body text follows, mostly illegible due to image quality]

[Handwritten signature or initials]

100-100000-100000
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**GOVERNMENT DEGREE COLLEGE,
CHEBROLE**

Guntur District, Andhra Pradesh, Pin 522212

Affiliated to Acharya Nagarjuna University

Email: jkc.chebrole@gmail.com Phone No. 08644-254221



From

B.Koteswarao,
Department of Chemistry,
Government Degree College,
Chebrole, Guntur District.

Date: 01-06-2023

To

Dr .V.Sridevi
Principal,
Government Degree College
Chebrole, Guntur District

Respected Madam,

Sub: Academic Year **2022-23**- Requisition to conduct a “**Certificate Course on Role of Chemistry in Every Day Life**” to I st year I Sem M.P.C and B.Z.C Students-reg

I, B.Koteswarao, Lecturer in Chemistry here with submit that the Department of Chemistry is planning to conduct a “**Certificate Course on Role of Chemistry in Every Day Life**” to I st year I Sem M.P.C and B.Z.C students for 30 days from **06-06-2023 to 13-07-2023** with the objective of giving them an orientation on **Role of Chemistry in Every Day Life**. In this connection I request you to please grant permission to commence the aforesaid certificate course during the academic year **2022-23**.

Thanking you Madam,

B.K. Oteswarao
Yours Sincerely,

Lecturer in Chemistry
Govt. Degree College
Chebrole-522 212

Enclosures

1. Design of the course
2. List of students
3. Sample Certificate



**GOVERNMENT DEGREE COLLEGE,
CHEBROLE**

Guntur District, Andhra Pradesh, Pin 522212

Affiliated to Acharya Nagarjuna University

Email: jkc.chebrole@gmail.com Phone No. 08644-254221



Date: 01-06-2023

From

B.Koteswarao,

Department of Chemistry,

Government Degree College,

Chebrole, Guntur District.

To

Sri. A. Rrama Krishna Rao,

Co-ordinator, IQAC,

Government Degree College,

Chebrole, Guntur District

Respected Madam,

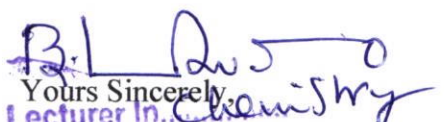
Sub:Academic Year **2022-23**- Requisition to conduct a “**Certificate Course on “Role of Chemistry in Every Day Life”** to I st year I Sem M.P.C and B.Z.C Students-reg

I, B.Koteswarao, Lecturer in Chemistry here with submit that the Department of Chemistry is planning to conduct a “**Certificate Course on Role of Chemistry in Every Day Life”** for I st year I Sem MPC and BZC students **for 30 hours from 06-06-2023 to 13-07-2023**. In this connection I request you to please grant permission to commence the aforesaid certificate course during the academic year **2022-23**.

Thanking you Sir,

Enclosures

1. Design of the Course
2. List of students
3. Sample Certificate


Yours Sincerely,
Lecturer In.. Chemistry
Govt. Degree College
Chebrole-522212

Proceedings of the Principal, Government Degree College, Chebrole, Guntur District
Present: Dr.V.Sridevi, M.A.,M.Phil.,Ph.D.,

Rc.No.Spl/Certificate Course/2022-23

Date:03-06-2023

Sub:- Academic Year 2022-23 – Issuance of Proceedings to begin a **“Certificate Course on Role of Chemistry in Every Day Life”** for I st year I Sem MPC and BZC Students-Regarding.

Ref:- Representation of B.Koteswarao, Lecturer in chemistry in-charge of Department of chemistry, GDC Chebrole, dated 03-06-2023.

-X-X-X-X-X-

As per reference cited B.Koteswarao, Lecturer in chemistry and in-charge of Department of chemistry of this college requested to permit her to begin the Certificate Course entitled as **“Role of Chemistry in Every Day Life”** for I st year I Sem M.P.C and C.B.Z Students of this college for **30 days from 06-06-2023 to 13-07-2023** including assessment.

Considering the fact that this certificate course of short duration imparts knowledge on varied related topics and help them to develop skills required in addition to attract right job opportunities.

The Principal, Government Degree College, Chebrole is pleased to permit the Department of Chemistry of this college to start certificate course of short duration (30 hours) entitled as **“Role of Chemistry in Every Day Life”** for I st year I Sem MPC and BZC Students of this college with effect from this academic year **2022-23**.

The in-charge of Department of Chemistry is requested to design the course frame work Viz. Syllabus, Duration Course outcomes, Model Question Paper etc. for the above certificate course and complete the same by the end of the academic year.

Copy to in-charge of Department of Chemistry, GDC Chebrole.


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**GOVERNMENT DEGREE COLLEGE,
CHEBROLE**

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Email: jkc.chebrole@gmail.com Phone No. 08644-254221



Course Design

Name of the Certificate Course: "Role of Chemistry in Every Day Life"

Duration of the Course: 30 Hrs

Date of Commencement: 06-06-2023

Timings: From 09.00AM to 10.00 A.M every day

Participating students: All the students of 1st year I Sem M.P.C and C.B.Z

Name of the Programme Co-ordinators: B.Koteswarao, Lecturer in Chemistry

Objective of the Certificate Course:

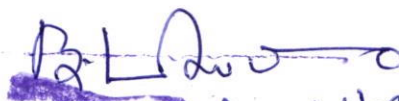
ROLE OF CHEMISTRY IN EVERY DAY LIFE

'Chromatography' is an analytical technique commonly used for separating a mixture of chemical substances into its individual components, so that the individual components can be thoroughly analyzed. There are many types of chromatography e.g. liquid chromatography, gas chromatography, ion-exchange chromatography, affinity chromatography, but all of these employ the same basic principles.

LEARNING OUTCOMES:

After successful completion of this course students should be able to:

- Awareness of students is increased about water pollution, air pollution, and its effects, remedies.
- Students clearly understood about different names of drugs and generic drug
- Students gained knowledge about trace metals in biology and their importance in maintaining health.


Lecturer in Chemistry
Govt. Degree College
Chebrole-522 212


PRINCIPAL
GOVT. DEGREE COLLEGE
CHEBROLE, Guntur Dt. A.P.



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ROLE OF CHEMISTRY IN EVERYDAY LIFE

SYLLABUS

Unit-I: Environmental Chemistry

- Environmental Chemistry: Terminology (Pollutant, Contaminant, Receptor, Sink, COD, BOD, DO, TLV).
- Air pollution: Causes, Effects, Acid rains, Depletion in Ozone layer, Green house effect.
- Water pollution: Causes, Effects, Eutrophication, Effects of fluorides.

Unit-II: Biological importance of metals

- Classification of metals: essential and nonessential elements
- Trace elements: Biological importance of Sodium, Potassium, Chloride, Magnesium, Calcium, Iron, Cobalt, Nickel, Copper and Zinc.
- Metalloporphyrins: Structure of Hemoglobin, and Chlorophyll, Vitamin B₁₂.

Unit-III: Medicinal Chemistry

- Medicinal Chemistry: Terminology – Drug, Medicine, Pharmacy etc. Classification of Drugs with examples.
- Importances and structures of Paracetamol, Ibuprofen, Chloroquine, Omeprazole, Ciprofloxacin, Penicillin and Aspirin.
- Chemical names, generic names and brand names.

The world has achieved brilliance without wisdom, power without conscience.

Ours is a world of nuclear giants and ethical infants.

B. L. Rao
Lecturer In.....
Govt. Degree College
Chebrole-522 212

B. A. U. S.
Co-Ordinator
I.Q.A.C.,
Govt. Degree College
Chebrole, Guntur (Dt.)

V. Sridhar
PRINCIPAL
GOVT. DEGREE COLLEGE
CHEBROLE, Guntur Dt. (A.P.)

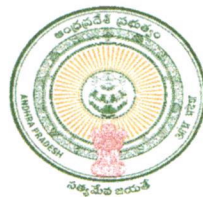


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Guntur District, Andhra Pradesh, Pin 522212

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Certificate Course in Role of Chemistry in Every Day Life 2022-23

List of enrolled students I st Year BSc I Sem M.P.C and C.B.Z

S.NO	NAME OF THE STUDENT	CLASS	SIGNATURE OF THE STUDENT
1	Shaik Jani Basha	I B.Sc (M.P.C)	Sk. Jani Basha
2	Kattula Jyothi Prasanna	I B.Sc (M.P.C)	K. Jyothi Prasanna
3	Kurra Jagadeeswari	I B.Sc (M.P.C)	K. Jagadeeswari
4	Dharmapuri Bhavya Sri	I B.Sc (M.P.C)	D. Bhavya Sri
5	Kommanaboina Sivaji	I B.Sc (M.P.C)	K. Sivaji
6	Shaik Saiprabhu Sai	I B.Sc (M.P.C)	Sk. saiprabhu sai
7	Kativarapu Navya	I B.Sc (M.P.C)	K. Navya
8	Medida Chinni	I B.Sc (M.P.C)	M. Chinni
9	Sykam Harish	I B.Sc (M.P.C)	S. Harish
10	Pallepati Madhuri	I B.Sc (M.P.C)	P. Madhuri

S.NO	NAME OF THE STUDENT	CLASS	SIGNATURE OF THE STUDENT
1	Yadali Rohitha Sri	I B.Sc (B.Z.C)	Y. Rohitha Sri
2	Yeripilli Naveen	I B.Sc (B.Z.C)	Y. Naveen
3	Karumuri Reshla Jyothi	I B.Sc (B.Z.C)	K. Reshla Jyothi
4	Kalagadda Suvedika	I B.Sc (B.Z.C)	K. Suvedika
5	Sowpati Sudha	I B.Sc (B.Z.C)	Sowpati Sudha
6	Kambhampati Sujatha	I B.Sc (B.Z.C)	K. Sujatha

Co-Ordinator
I.Q.A.C.,
Govt. Degree College
Chebrole, Guntur (Dt.)

B. L. Jais
Lecturer in Chemistry
Govt. Degree College

V. Sridhar
PRINCIPAL
GOVT. DEGREE COLLEGE
CHEBROLE, Guntur Dt. (A.P.)

The students pursuing I st year I Sem M.P.C and C.B.Z during the academic year 2022-23 to upgrade their skills, to grab the Jobs and Opportunities in Chemical Industry field. This course has been designed with the objective of training them in “Role of Chemistry in Every Day Life”

Method: “Role of Chemistry in Every Day Life” learns through theory and in a practical manner.

Syllabus of the Course:

S.NO	NAME OF THE TOPIC	DATE
	Unit-I: Environmental Chemistry	
1	Environmental Chemistry \ Terminology (Pollutant, Contaminant,	06-06-2023
2	Receptor, Sink	07-06-2023
3	COD, BOD, DO, TLV.	08-06-2023
4	Air pollution: Causes, Effects, Acid rains,	09-06-2023
5	Depletion in Ozone layer,	10-06-2023
6	Greenhouse effect	12-06-2023
7	Water pollution: Causes, Effects,	13-06-2023
8	Eutrophication	14-06-2023
9	Effects of fluorides.	15-06-2023
	UNIT-II: BIOLOGICAL IMPORTANCE OF METALS	
10	Classification of metals:	16-06-2023
11	essential elements	17-06-2023
12	and non essential elements	19-06-2023
13	Trace elements: Biological importance of Sodium,	20-06-2023
14	Potassium, Chloride,	21-06-2023
15	Magnesium, Calcium, Iron,	22-06-2023
16	Cobalt, Nickel,	23-06-2023
17	Copper and Zinc.	24-06-2023
18	Metalloporphyrins: Structure of Hemoglobin, and	26-06-2023
19	Chlorophyll,	27-06-2023
20	Vitamin B12.	28-06-2023

	Unit-III: Medicinal Chemistry	
21	Medicinal Chemistry: Terminology –.	30-06-2023
22	Drug, Medicine,	01-07-2023
23	Pharmacy etc	03-07-2023
24	Classification of Drugs with examples.	04-07-2023
25	Importance and structures of Paracetamol,	05-07-2023
26	Ibuprofen, Chloroquine,	06-07-2023
27	Omeprazole, Ciprofloxacin	07-07-2023
28	Penicillin and Aspirin.	08-07-2023
29	Chemical names,	10-07-2023
30	Generic names and brand names.	11-07-2023
	Exam	13-07-2023

Evaluation

Exam will be conducted in objective method for 25 marks after the completion of 30 instruction hours. 75% attendance is mandatory for each student to take the exam. Certificates will be issued only to those students who secure 12 marks out of 25 in the written exam.

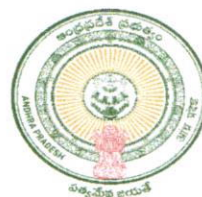
B.L. Das
Lecturer in Chemistry
Govt. Degree College
Chebrole-522 212

A. Neel
Co-Ordinator
I.Q.A.C.,
Govt. Degree College
Chebrole, Guntur (Dt.)

V. Sridhar
PRINCIPAL
GOVT. DEGREE COLLEGE
CHEBROLE, Guntur Dt. (A.P.)



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Certificate Course on Role of Chemistry in Every Day Life 2022-23
QUESTION PAPER

Time: 1 Hour

Max. Marks: 25

SECTION –A

Answer the any ONE of the following Questions (Each question carry 10 Marks)

- 1) Explain Ozone depletion and Green house effect
- 2) Explain about the structure of Haemoglobin.
- 3) Write the importance and structure of Paracetamol.

SECTION – B

Answer any THREE of the following Questions

(Each question carry 5 marks)

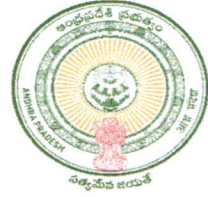
- 1) Explain effects of Acid rains.
- 2) What are the causes of water Pollution?
- 3) Explain Biological importance of Vitamin B12.
- 4) Classify the drugs with example.
- 5) Define chemical names and Generic names?

B.L. Anso
Lecturer In Chemistry
Govt. Degree College
Chebrole

V. Sridhar
PRINCIPAL
GOVT. DEGREE COLLEGE
CHEBROLE, Guntur Dt. (A.P.)



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CHEBROLE**
Guntur District, Andhra Pradesh, Pin 522212
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Email: jkc.chebrole@gmail.com Phone No. 08644-254221



STUDENTS ATTENDANCE

S.NO	STUDENT NAME	CLASS	COURSE	NO.OF HOURS ATTENDED
1	Shaik Jani Basha	I B.Sc	M.P.C	30
2	Kattula Jyothi Prasanna	I B.Sc	M.P.C	26
3	Kurra Jagadeeswari	I B.Sc	M.P.C	25
4	Dharmapuri Bhavya Sri	I B.Sc	M.P.C	28
5	Kommanaboina Sivaji	I B.Sc	M.P.C	27
6	Shaik Saiprabhu Sai	I B.Sc	M.P.C	25
7	Kativarapu Navya	I B.Sc	M.P.C	24
8	Medida Chinni	I B.Sc	M.P.C	29
9	Sykam Harish	I B.Sc	M.P.C	24
10	Pallepati Madhuri	I B.Sc	M.P.C	25
11	Yadali Rohitha Sri	I B.Sc	C.B.Z	26
12	Yeripilli Naveen	I B.Sc	C.B.Z	28
13	Karumuri Reshla Jyothi	I B.Sc	C.B.Z	29
14	KalagaddaSuvedika	I B.Sc	C.B.Z	28
15	Sowpati Sudha	I B.Sc	C.B.Z	27
16	Kambhampati Sujatha	I B.Sc	C.B.Z	25

B. L. Jayarao
Lecturer in Chemistry
Govt. Degree College, Chebrole

A. S. S. S.
Co-Ordinator
I.Q.A.C.,
Govt. Degree College
Chebrole, Guntur (Dt.)

V. S. S. S.
PRINCIPAL
GOVT. DEGREE COLLEGE
CHEBROLE, Guntur Dt. (A.P.)

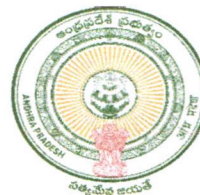


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MARKS REGISTER

S.No	Name of the Student	Max.Marks	Marks Obtained	Remarks
1	Shaik Jani Basha	25	21	Course completed
2	Kattula Jyothi Prasanna	25	19	Course completed
3	Kurra Jagadeeswari	25	20	Course completed
4	Dharmapuri Bhavya Sri	25	16	Course completed
5	Kommanaboina Sivaji	25	18	Course completed
6	Shaik Saiprabhu Sai	25	15	Course completed
7	Kativarapu Navya	25	20	Course completed
8	Medida Chinni	25	21	Course completed
9	Sykam Harish	25	22	Course completed
10	Pallepati Madhuri	25	19	Course completed
11	Yadali Rohitha Sri	25	16	Course completed
12	Yeripilli Naveen	25	18	Course completed
13	Karumuri Reshla Jyothi	25	17	Course completed
14	KalagaddaSuvedika	25	20	Course completed
15	Sowpati Sudha	25	21	Course completed
16	Kambhampati Sujatha	25	19	Course completed

B.L. D...
In Charge of the Department

Lecturer In.....

Chemistry

Co-Ordinator
I.O.A.C.,
Govt. Degree College
Chebrole, Guntur (Dt.)

V.S. Reddy
Principal
GOVT. DEGREE COLLEGE
CHEBROLE, Guntur Dt. (A.P.)

GOVERNMENT DEGREE COLLEGE, CHEBROLE

Guntur district, Andhra Pradesh, Pin 522212



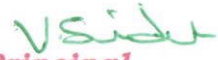
DEPARTMENT OF CHEMISTRY

CERTIFICATE COURSE IN "ROLE OF CHEMISTRY IN EVERYDAY LIFE" CERTIFICATE

This is to certify that Mr./Mrs. K.Jagadeswari regular student of this college studying I B.SC (MPC) during the academic year 2022-23 has successfully completed "CERTIFICATE COURSE IN ROLE OF CHEMISTRY IN EVERY DAY LIFE" during the period from 06-06-2023 to 13-07-2023 at this college.

Date: 13/7/23
Chebrole


In-charge of Department of Chemistry


Principal

GOVERNMENT DEGREE COLLEGE, CHEBROLE

Guntur district, Andhra Pradesh, Pin 522212



DEPARTMENT OF CHEMISTRY

CERTIFICATE COURSE IN "ROLE OF CHEMISTRY IN EVERYDAY LIFE" CERTIFICATE

This is to certify that Mr./Mrs. M.Chinni regular student of this college studying I B.SC (MPC) during the academic year 2022-23 has successfully completed "CERTIFICATE COURSE IN ROLE OF CHEMISTRY IN EVERY DAY LIFE" during the period from 06-06-2023 to 13-07-2023 at this college.

Date: 13/7/23
Chebrole


In-charge of Department of Chemistry


Principal

GOVERNMENT DEGREE COLLEGE, CHEBROLE

Guntur district, Andhra Pradesh, Pin 522212



DEPARTMENT OF CHEMISTRY

CERTIFICATE COURSE IN “ROLE OF CHEMISTRY IN EVERYDAY LIFE”

CERTIFICATE

This is to certify that Mr./Mrs. P.Madhuri regular student of this college studying I B.SC (MPC) during the academic year 2022-23 has successfully completed “CERTIFICATE COURSE IN ROLE OF CHEMISTRY IN EVERY DAY LIFE” during the period from 06-06-2023 to 13-07-2023 at this college.

Date: 13/7/23
Chebrole


In-charge of Department of Chemistry


Principal

GOVERNMENT DEGREE COLLEGE, CHEBROLE

Guntur district, Andhra Pradesh, Pin 522212



DEPARTMENT OF CHEMISTRY CERTIFICATE COURSE IN "ROLE OF CHEMISTRY IN EVERYDAY LIFE" CERTIFICATE

This is to certify that Mr./Mrs. Sk.Jani Basha regular student of this college studying I B.SC (MPC) during the academic year 2022-23 has successfully completed "CERTIFICATE COURSE IN ROLE OF CHEMISTRY IN EVERY DAY LIFE" during the period from 06-06-2023 to 13-07-2023 at this college.

Date: 13/7/23
Chebrole


In-charge of Department of Chemistry


Principal

GOVERNMENT DEGREE COLLEGE, CHEBROLE

Guntur district, Andhra Pradesh, Pin 522212



DEPARTMENT OF CHEMISTRY

CERTIFICATE COURSE IN "ROLE OF CHEMISTRY IN EVERYDAY LIFE" CERTIFICATE

This is to certify that Mr./Mrs. Sk.Prabhu Sai regular student of this college studying I B.SC (MPC) during the academic year 2022-23 has successfully completed "CERTIFICATE COURSE IN ROLE OF CHEMISTRY IN EVERY DAY LIFE" during the period from 06-06-2023 to 13-07-2023 at this college.

Date: 13/7/23
Chebrole


In-charge of Department of Chemistry


Principal