

To,  
The Principal,  
G S Science, Arts and Commerce College, Khamgaon

Subject: Proposal to Start Certificate Course in **General Organic Chemistry (GOC)**

Dear Sir,

I the undersigned most humbly bring in your kind consideration that the students of the Chemistry department appear in national level examination like JAM, GATE, entrance examination for M.Sc admission in premier institutes. Considering the depth of the syllabus of our curriculum it is need of the time to provide a certificate course in **General Organic Chemistry (GOC)**. This course will be helpful to advanced learners to secure admission at the premier institutes and also to the slow learners to make them competent.

I wish to propose to start Certificate Course in **General Organic Chemistry (GOC)**. The detailed plan of action is attached herewith. This course will be an addition to efforts made by our institutes in achieving its vision and mission.

Please take necessary action to start this course.

Yours



Dr H S Chandak

Copy to the Chairman, CDC, G S Science, Arts and Commerce College, Khamgaon

**G. S Science, Arts and Commerce College, Khamgaon**  
**Department of Chemistry**

**Certificate Course in**  
**General Organic Chemistry**  
(Proposed for the session 2020-21)

**Submitted by**  
**Dr H. S. Chandak**  
**Coordinator**  
**Certificate Course in General Organic Chemistry**

## Members of Committee

### (Board of Studies)

For the conduct of certificate course in GENERAL ORGANIC CHEMISTRY, I hereby constitute the following committee -

Sr. No.	Faculty	Designation	Department	Name of Institute
1	Dr H S Chandak	Professor and Head & Coordinator	Chemistry	G S Science, Arts and Commerce College, Khamgaon
2	Dr Rohinee R Dharamkar	Assistant Professor (Contract)	Chemistry	G S Science, Arts and Commerce College, Khamgaon
3	Mohd.AliMohd.Najmullah	Assistant Professor (Contract)	Chemistry	G S Science, Arts and Commerce College, Khamgaon
4	MrNilkesh D Dhurve	Assistant Professor	Chemistry	S PM College Nandura
5	Ms Punam Takarde	Assistant Professor (CHB)	Chemistry	G S Science, Arts and Commerce College, Khamgaon

### Plan of Action (Requirements)

NAME OF COURSE	:	Certificate course in General Organic Chemistry
ELIGIBILITY OF ADMISSION	:	Any bonafide student of our college with Chemistry as a subject
NO. OF TEACHING HOURS	:	48 h (6h/week)
EXAMINATION PATTERN	:	Multiple choice Question
FACULTY PROFILE	:	1. Dr H S Chandak 2. Dr Rohinee Dharamkar 3. Mohd. Ali Mohd. Najmullah 4. Mr Nilkesh D Dhurve 5. Any other (as per requirement)
COURSE FEES	:	Rs 400
COURSE COMMENCEMENT	:	First week of June 2021
REGISTRATION FROM	:	Proposed as under

#### Registration Form

Course Name: **Certificate course in General Organic Chemistry**

Name			
	First Name	Middle Name	Surname
Gender	Male/Female		
Category	SC/ST/OBC/VJ-NT/SBC/General (Tick appropriate)		
Program Name	B.Sc./ M.Sc.		
Contact Number			
	Primary	Secondary	Parent
Email			
	Primary		Secondary
ADHAR/ UID			
Admission receipt number			

## Proposed Syllabus (2020-21)

1. Line Structure drawings (2 hr)
2. Resonance (3 Hr)
3. Acid- Base reactions (4 Hr)
4. Geometry (2Hr)
5. Nomenclature (4 Hr)
6. Conformations (3 Hr)
7. Configurations (3 Hr)
8. Mechanism (4 hr)
9. Substitution Reaction (3 hr)
10. Elimination Reaction (3 Hr)
11. Addition Reaction (3 hr)
12. Predicting product of a reaction (4 hr)

### Reference Book:

- Organic Chemistry as a Second language: David Klein
- Organic Chemistry By Clayden, Greeves, Warren and Wothers
- Advanced Organic Chemistry” by Francis A. Carey and Richard J. Sundberg, 5th Edition, 2007 (Part A: Structure and Mechanisms & Part B: Reactions and Synthesis)
- Graham Solomons – Fundamentals of Organic Chemistry

### **Course Outcome (Proposed)**

This is a very comprehensive course for Organic Chemistry designed for all University level students with basic General Chemistry knowledge. Probable Course Outcomes are:

- Students will learn how to name and draw the structures of organic compounds, understand their reactions and behavior, understand their synthesis, and in turn, this course will serve as a stepping stone in understanding your surroundings at a micro level.
- Students would realize why free radicals are dangerous and would realize the importance of reaction intermediates in understanding reaction mechanism.
- Students will get lifetime access to the course which includes notes and a comprehensive mind map in order to memorize the main organic reactions.
- This course also includes future updates such as Basic General Chemistry used in Organic Chemistry.



Dr H S Chandak

