



BENGAL SCHOOL OF TECHNOLOGY

AUTONOMOUS

Estd. by Supreme Educational Development and Charitable Organization (SEDCO)

Recognised by UGC & included u/s 2(f) of UGC Act 1956

Approved by Pharmacy Council of India, New Delhi

Affiliated to: Maulana Abul Kalam Azad University of Technology (MAKAUT) &

West Bengal State Council of Technical and Vocational Education and Skill Development (WBST&VE&SD)

Accredited by NAAC with "A" Grade, NBA for B. Pharm & QCI

Lesson Plan

Class: B. PHARM, 3RD SEM

Date of Commencement of Session: 30/07/2026

Subject Name: Pharmaceutical Organic Chemistry II

Session: 2026-2027

Subject code: PT-314

Faculty In charge: Mr. Manoj Mana

Schedule of allotted class work (w.e.f)

Days	Monday	Tuesday	Wednesday	Thursday	Friday
Time/period		12:40 PM to 1:40 PM			
Section A					
Section B		10:40 AM to 11:40 AM			

Available Periods/week: 1 Available periods in the total semester _____ 13 _____ Extra Classes __NA_____

Guest Lectures planned if any with justification _____ NA _____

Scope & Objective of the course: This subject deals with general methods of preparation and reactions of some organic compounds. Reactivity of organic compounds are also studied here. The syllabus emphasizes on mechanisms and orientation of reactions. Chemistry of fats and oils are also included in the syllabus.

Objectives: Upon completion of the course the student shall be able to 1. write the structure, name and the type of isomerism of the organic compound 2. write the reaction, name the reaction and orientation of reactions 3. account for reactivity/stability of compounds, 4. prepare organic compounds

Reading materials:

A. Text Books

Sl. No.	Name of the Text Book(s)	Author	Edition	Publisher	Accession No.	Rack No
1.	Textbook of Organic Chemistry	B.S. Bahl & Arun Bahl.	22 nd	S. Chand	6178	50F

B. Reference Books

Sl. No.	Name of the Text Book(s)	Author	Edition	Publisher	Accession No.	Rack No
1.	Pharmaceutical organic Chemistry	V. Alagarsamy	3 rd	Pharma Med Press	C324	47C

C. Journals / Website/Any other resources

Sl. No.	Name of the journal (s)/website/others	Source	Vol. no.	Month & Year
	NA			

Daily Teaching Schedule for UNIT-V (Mr. Manoj Mana)

Sl. No.	Date	Day	Title to be covered	Teaching Pedagogy / T.L.P.	Suggested Knowledge Resources
1.	04/08/26	Tuesday	Introduction of cycloalkanes	Chalk Board & Verbal Narration/ Power point	Textbook of Organic Chemistry, B.S. Bahl & Arun Bahl.
2.	11/08/26	Tuesday	IUPAC Nomenclature of cycloalkanes	Chalk Board & Verbal Narration/ Power point	Textbook of Organic Chemistry, B.S. Bahl & Arun Bahl.

3.	18/08/26	Tuesday	Synthesis procedure of cycloalkanes	Chalk Board & Verbal Narration/ Power point	Textbook of Organic Chemistry, B.S. Bahl & Arun Bahl.
4.	25/08/26	Tuesday	Synthesis procedure of cycloalkanes	Chalk Board & Verbal Narration/ Power point	Textbook of Organic Chemistry, B.S. Bahl & Arun Bahl.
5.	08/09/26	Tuesday	Reaction of cyclopropane and cyclobutane	Chalk Board & Verbal Narration/ Power point	Textbook of Organic Chemistry, B.S. Bahl & Arun Bahl.
6.	15/09/26	Tuesday	Reaction of cyclopropane and cyclobutene & their comparison	Chalk Board & Verbal Narration/ Power point	Textbook of Organic Chemistry, B.S. Bahl & Arun Bahl.
7.	22/09/26	Tuesday	Stabilities – Baeyer’s strain theory	Chalk Board & Verbal Narration/ Power point	Textbook of Organic Chemistry, B.S. Bahl & Arun Bahl.
8.	29/09/26	Tuesday	limitation of Baeyer’s strain theory	Chalk Board & Verbal Narration/ Power point	Textbook of Organic Chemistry, B.S. Bahl & Arun Bahl.
9.	06/10/26	Tuesday	Coulson and Moffitt’s modification	Chalk Board & Verbal Narration/ Power point	Textbook of Organic Chemistry, B.S. Bahl & Arun Bahl.
10.	13/10/26	Tuesday	Sachse Mohr’s theory	Chalk Board & Verbal Narration/ Power point	Textbook of Organic Chemistry, B.S. Bahl & Arun Bahl.
11.	27/10/26	Tuesday	Molecular orbital Theory	Chalk Board & Verbal Narration/ Power point	Textbook of Organic Chemistry, B.S. Bahl & Arun Bahl.
12.	03/11/26	Tuesday	Previous years problem	Chalk Board & Verbal Narration/ Power point	Textbook of Organic Chemistry, B.S. Bahl & Arun Bahl.
13	17/11/26	Tuesday	Previous years problem	Chalk Board & Verbal Narration/ Power point	Textbook of Organic Chemistry, B.S. Bahl & Arun Bahl.
Grand total number of classes planned for the semester				13	

Signature of Faculty:

Mr. Manoj Mana