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 (WBSCT&VE&SD)
Accredited by NAAC with "A" Grade, NBA for B. Pharm & QCI

Lesson Plan

Class: B.Pharm 3rd Semester **Session:** 2026-27
Date of Commencement of Session: 30/7/2026
Subject Name: Pharmaceutical Organic Chemistry-II **Subject code:** PT314& PT394
Faculty In charge: Dr. Sudip Kumar Kar, **Dr. Sasmita Dash**, Mr. Manoj Mana

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

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

Available Periods/week 2 (A+B)____ Available periods in the total semester ___13(A+B)_____Extra Classes_____
Guest Lectures planned if any withjustification_____

Scope & Objective of the course: 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	Advanced Organic Chemistry	Bahl and Bahl	22nd	S.Chand	6178	50F
2	Organic Chemistry	R.T.Morrison and R.N.Boyd	7th	Pearson	4003	50A

B. Reference Books

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

C. Journals / Website/Any other resources

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

Daily Teaching Schedule for UNIT-I

Sl. No.	Date	Day	Title to be covered	Teaching Pedagogy / T.L.P.	Suggested Knowledge Resources
			By **Dr. Sudip Kumar Kar**		

Daily Teaching Schedule for UNIT-II

Sl. No.	Date	Day	Title to be covered	Teaching Pedagogy / T.L.P.	Suggested Knowledge Resources
1	6/11/26	Friday	Introduction of aromatic acids	Lecture with Chalk & Duster	A2 and B1
2	13/11/26	Friday	Acidity of aromatic acids	Lecture with Chalk & Duster	A2 and B1
3	20/11/26	Friday	Effect of substituents on acidity	Lecture with Chalk & Duster	A2 and B1
4	27/11/26	Friday	Important reactions of benzoic acid	Lecture with Chalk & Duster	A2 and B1

Daily Teaching Schedule for UNIT-III

Sl. No.	Date	Day	Title to be covered	Teaching Pedagogy / T.L.P.	Suggested Knowledge Resources
1	31/7/26	Friday	Introduction about organic compounds	Lecture with Chalk & Duster	A2 and B1
2	7/8/26	Friday	Introduction of fats and oils	Lecture with Chalk & Duster	A2 and B1
3	14/8/26	Friday	Introduction of fats and oils	Lecture with Chalk & Duster	A2 and B1
4	21/8/26	Friday	Classification of fats and oils	Lecture with Chalk & Duster	A2 and B1
5	11/9/26	Friday	Chemical properties of fats and oils	Lecture with Chalk & Duster	A2 and B1
6	18/9/26	Friday	Chemical properties of fats and oils	Lecture with Chalk & Duster	A2 and B1
7	25/9/26	Friday	Analysis of fats and oils	Lecture with Chalk & Duster	A2 and B1
8	9/10/26	Friday	Analysis of fats and oils	Lecture with Chalk & Duster	A2 and B1
9	30/10/26	Friday	Analysis of fats and oils	Lecture with Chalk & Duster	A2 and B1

Daily Teaching Schedule for UNIT-IV

Sl. No.	Date	Day	Title to be covered	Teaching Pedagogy / T.L.P.	Suggested Knowledge Resources
			By **Dr. Sudip Kumar Kar**		

Daily Teaching Schedule for UNIT-V

Sl. No.	Date	Day	Title to be covered	Teaching Pedagogy / T.L.P.	Suggested Knowledge Resources
			By **Mr. Manoj Mana**		
Grand total number of classes planned for the semester					

Daily Teaching Schedule for Practical

Sl. No.	Date	Day	Title to be covered
1	30.07.2026 to 06.08.2026	1	Laboratory Safety
2	10.08.2026 to 13.08.2026	2	Synthesis of Benzil
3	17.08.2026 to 20.08.2026	3	Recrystallization and Melting point determination of Benzil, Synthesis of Dibenzal-acetone
4	24.08.2026 to 27.08.2026	4	Recrystallization and Melting point determination of Dibenzal-acetone Synthesis of m-dinitrobenzene
5	31.08.2026 to 03.09.2026	5	Recrystallization and Melting point determination of m-dinitrobenzene
6	07.09.2026 to 10.09.2026	6	Synthesis of Acetanilide

7	14.09.2026 to 17.09.2026	7	Recrystallization and Melting point determination of Acetanilide
8	21.09.2026 to 24.09.2026	8	Synthesis of 5-Nitrosalicylic acid
9	28.09.2026 to 01.10.2026	9	Recrystallization and Melting point determination of 5-Nitrosalicylic acid, Synthesis of p-Iodobenzoic acid
10	05.10.2026 to 08.10.2026	10	Recrystallization and Melting point determination of p-Iodobenzoic acid
11	12.10.2026 to 15.10.2026	11	Synthesis of 1-Phenyl-Azo-2-Naphthol
12	27.10.2026 to 05.11.2026	12	Recrystallization and Melting point determination of 1-Phenyl-Azo-2-Naphthol Synthesis of Benzoic acid
13	02.11.2026 to 05.11.2026	13	Recrystallization and Melting point determination of Benzoic acid Synthesis of Benzanilide
14	16.11.2026 to 19.11.2026	14	Recrystallization and Melting point determination of Benzanilide