



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. Pharmacy 3rd year 5th Semester

Session: 2026-27 (Odd Semester)

Date of Commencement of Session: 30th July 2026

Subject Name: Industrial Pharmacy I

Subject code: PT 515

Faculty In charge: Dr. Dharmajit Pattanayak

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

Days	Monday	Tuesday	Wednesday	Thursday	Friday
Time/period					2:25 to 1:25 pm
Section A					
Section B					3:25 to 4:25 pm

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

Guest Lectures planned if any with justification NIL

Scope & Objective of the course:

1. Know the various pharmaceutical dosage forms and their manufacturing techniques.
2. Know various considerations in development of pharmaceutical dosage forms
3. Formulate solid, liquid and semisolid dosage forms and evaluate them for their quality

Reading materials:

A. Text Books

Sl. No.	Name of the Text Book(s)	Author	Edition	Publisher	Accession No.	Rack No
1	The Theory And Practice Of Industrial Pharmacy	Lachman Liebermans	4 th Edition	CBS	4610	4D

B. Reference Books

Sl. No.	Name of the Text Book(s)	Author	Edition	Publisher	Accession No.	Rack No
1	Introduction to Pharmaceutical Dosage Forms	H. C. Ansel, Lea & Febiger, Philadelphia	5 th Edition	Elsiver	Own	64B
2	Modern Pharmaceutics	Gilbert S. Banker & C.T. Rhodes,	3 rd Edition	CRC	3406	64B

C. Journals / Website/Any other resources

Sl. No.	Name of the journal (s)/website/others	Source	Vol. no.	Month & Year
1	Prasanna Kumar Desu*, G. Vaishnavi, K. Divya, U. Lakshmi, An Overview On Preformulation Studies, Indo American Journal Of Pharmaceutical Sciences	Internet	2 (10)	2015
2	https://www.researchgate.net/publication/320373570_Preformulation_studies	Internet		03/02/2020

Daily Teaching Schedule for UNIT-II

Sl. No.	Date	Day	Title to be covered	Teaching Pedagogy / T.L.P.	Suggested Knowledge Resources
1	31/07/2026	Friday	Tablets- Introduction, Advantages, Disadvantages, Classification	PPT	A1 and B1&2

2	7/08/2026	Friday	Tablets- Excipients / Additives	PPT	A1 and B1&2
3	14/08/2026	Friday	Tablet- Granulation Techniques & compression machine and tooling	PPT	A1 and B1&2
4	17/08/2026	Friday	Tablet- Compression machine and tooling	PPT	A1 and B1&2
5	11/09/2026	Friday	Tablet- Evaluation & In-process manufacturing problems	PPT	A1 and B1&2
6	18/09/2026	Friday	Tablet- Manufacturing defects / Processing Problems	PPT	A1 and B1&2
7	25/09/2026	Friday	Tablet Coating- Objective, Principle	PPT	A1 and B1&2
8	09/10/2026	Friday	Tablet Coating- Ideal Requirements & Types of Coating Pan	PPT	A1 and B1&2
9	30/10/2026	Friday	Tablet Coating: Sugar Coating & Film Coating	PPT	A1 and B1&2
10	06/11/2026	Friday	Tablet Coating Problems	PPT	A1 and B1&2
11	13/11/2026	Friday	Elixirs & Syrups: Preparation & Evaluation	PPT	A1 and B1&2
12	20/11/2026	Friday	Suspension: Preparation & Evaluation	PPT	A1 and B1&2
13	27/11/2026	Friday	Emulsion- Preparation & Evaluation	PPT	A1 and B1&2
Grand total number of classes planned for the semester: 13					

Prepared by: Dr. Dharmajit Pattanayak