



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: __3RD YR/5TH SEM__

Session: 2026-2027

Date of Commencement of Session: 30TH JULY 2026

Subject Name: PHARMACOLOGY II

Subject code: PT-518, PT-598

Faculty In charge: RITUPARNA DAS

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

Days	Monday	Tuesday	Wednesday	Thursday	Friday
Time/period Section A	PT 598 G-C (9:40 AM-12:30 PM) PT 518 3:25-4:20 PM	PT 598 G-D (9:40 AM-12:30 PM) PT 518 2:25- 3:20 PM	PT 598 G-A (9:40 AM-12:30 PM)	PT-598 G-B (9:40 AM-12:30 PM)	-
Section B	PT 518 12:40 – 1:30 PM	PT 518 4:25 – 5:25 PM	-	-	-

Available Periods/week _____ 4 _____ Available periods in the total semester _____ 20 _____ Extra

Classes _____ 20 _____

Guest Lectures planned if any with justification _____ NA _____

Scope & Objective of the course: This subject is intended to impart the fundamental knowledge on various aspects (classification, mechanism of action, therapeutic effects, clinical uses, side effects and contraindications) of drugs acting on different systems of body and in addition, emphasis on the basic concepts of bioassay

Reading materials:

A. Text Books

Sl. No.	Name of the Text Book(s)	Author	Edition	Publisher	Accession No.	Rack No
	Essential Of Medical pharmacology	K D Tripathi	8 th	Jaypee Publications.	C14A	7049
	Pharmacology Lippincott	Richard A Hervey	6 th	Wolters Kluwer	C14A	6567

B. Reference Books

Sl. No.	Name of the Text Book(s)	Author	Edition	Publisher	Accession No.	Rack No
	Pharmacology Basis Of Therapeutics	Laurance I Brunton	12 th	Mc. Graw Hill	C8D	5218

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
1.	3/8/26		INTRODUCTION TO CVS/HEMATOLOGICAL SYSTEM	CHALK AND BOARD	ESSENTIAL OF MEDICAL PHARMACOLOGY (KD TRIPATHI), PHARMACOLOGY LIPPINCOTT
2	4/8/26		ELECTROPHYSIOLOGY OF HEART	CHALK AND BOARD	ESSENTIAL OF MEDICAL PHARMACOLOGY (KD TRIPATHI), PHARMACOLOGY LIPPINCOTT
3	10/8/26		ELECTROPHYSIOLOGY OF HEART	CHALK AND BOARD	ESSENTIAL OF MEDICAL PHARMACOLOGY (KD TRIPATHI), PHARMACOLOGY LIPPINCOTT
4	11/8/26		ECG AND CARDIAC CYCLE	CHALK AND BOARD	ESSENTIAL OF MEDICAL PHARMACOLOGY (KD TRIPATHI), PHARMACOLOGY LIPPINCOTT
5	17/8/26		CASE STUDY SOLVING ON ECG AND CARDIAC COMPLICATIONS	CHALK AND BOARD	ESSENTIAL OF MEDICAL PHARMACOLOGY (KD TRIPATHI), PHARMACOLOGY LIPPINCOTT
6	18/8/26		ECG AND HYPERTENSION, DAD AND EAD	SMART CLASS/PROJECTOR	ESSENTIAL OF MEDICAL PHARMACOLOGY (KD TRIPATHI), PHARMACOLOGY LIPPINCOTT
7	24/8/26		ECG AND HYPERTENSION, DAD AND EAD	SMART CLASS/PROJECTOR	ESSENTIAL OF MEDICAL PHARMACOLOGY (KD TRIPATHI), PHARMACOLOGY LIPPINCOTT
8	25/8/26		ARRYTHMIA AND DRUGS	SMART CLASS/PROJECTOR	ESSENTIAL OF MEDICAL PHARMACOLOGY (KD TRIPATHI), PHARMACOLOGY LIPPINCOTT
9	1/9/26		ARRYTHMIA AND DRUGS	SMART CLASS/PROJECTOR	ESSENTIAL OF MEDICAL PHARMACOLOGY (KD TRIPATHI), PHARMACOLOGY LIPPINCOTT
10	7/9/26		ARRYTHMIA AND DRUGS	SMART CLASS/PROJECTOR	ESSENTIAL OF MEDICAL PHARMACOLOGY (KD TRIPATHI), PHARMACOLOGY LIPPINCOTT
11	8/9/26		ANTI HYPERTENSIVE DRUGS	SMART CLASS/PROJECTOR	ESSENTIAL OF MEDICAL PHARMACOLOGY (KD TRIPATHI), PHARMACOLOGY LIPPINCOTT
12	14/9/26		ANGINA AND DRUGS	SMART CLASS/PROJECTOR	ESSENTIAL OF MEDICAL PHARMACOLOGY (KD TRIPATHI), PHARMACOLOGY LIPPINCOTT
13	15/9/26		ANGINA AND DRUGS	SMART CLASS/PROJECTOR	ESSENTIAL OF MEDICAL PHARMACOLOGY (KD TRIPATHI), PHARMACOLOGY LIPPINCOTT
14	21/9/26		DRUGS ON CHF/MI	SMART CLASS/PROJECTOR	ESSENTIAL OF MEDICAL PHARMACOLOGY (KD TRIPATHI), PHARMACOLOGY LIPPINCOTT
15	22/9/26		CHF/MI DRUGS	SMART CLASS/PROJECTOR	ESSENTIAL OF MEDICAL PHARMACOLOGY (KD TRIPATHI), PHARMACOLOGY LIPPINCOTT
16	28/9/26		ANTI-HYPERLIPIDEMIC DRUGS	SMART CLASS/PROJECTOR	ESSENTIAL OF MEDICAL PHARMACOLOGY (KD TRIPATHI), PHARMACOLOGY LIPPINCOTT

Daily Teaching Schedule for UNIT-II

Sl. No.	Date	Day	Title to be covered	Teaching Pedagogy / T.L.P.	Suggested Knowledge Resources
17	29/9/26		DRUG THEPAY OF SHOCK	SMART CLASS/PROJECTOR	ESSENTIAL OF MEDICAL PHARMACOLOGY (KD TRIPATHI), PHARMACOLOGY LIPPINCOTT
18	5/10/26		HAEMATINICS AND ANTICOAGULANTS	SMART CLASS/PROJECTOR	ESSENTIAL OF MEDICAL PHARMACOLOGY (KD TRIPATHI), PHARMACOLOGY LIPPINCOTT
19	6/10/26		HAEMATINICS AND ANTICOAGULANTS	SMART CLASS/PROJECTOR	ESSENTIAL OF MEDICAL PHARMACOLOGY (KD TRIPATHI), PHARMACOLOGY LIPPINCOTT
20	12/10/26		FIBRINOLYTICS AND ANTI-PLATELET DRUGS	SMART CLASS/PROJECTOR	ESSENTIAL OF MEDICAL PHARMACOLOGY (KD TRIPATHI), PHARMACOLOGY LIPPINCOTT
21	13/10/26		PLASMA VOLUME EXPANDERS	SMART CLASS/PROJECTOR	ESSENTIAL OF MEDICAL PHARMACOLOGY (KD TRIPATHI), PHARMACOLOGY LIPPINCOTT
22	2/11/26		PLASMA VOLUME EXPANDERS	SMART CLASS/PROJECTOR	ESSENTIAL OF MEDICAL PHARMACOLOGY (KD TRIPATHI), PHARMACOLOGY LIPPINCOTT
23	3/11/26		DIURETICS AND ANTI-DIURETICS	SMART CLASS/PROJECTOR	ESSENTIAL OF MEDICAL PHARMACOLOGY (KD TRIPATHI), PHARMACOLOGY LIPPINCOTT

Daily Teaching Schedule for Practical

Sl. No.	Date	Day	Title to be covered
1	3/8/10		Introduction to in-vitro pharmacology and physiological salt solutions
2	10/9/26		DRC of acetylcholine using frog rectus abdominis muscle
3	17/8/26		Effect of physostigmine and atropine on DRC of acetylcholine using frog rectus abdominis muscle and rat ileum respectively.
4	24/8/26		Bioassay of histamine using guinea pig ileum by matching method
5	7/9/26		Effect of drugs on isolated frog heart.
6	14/9/26		Effect of drugs on blood pressure and heart rate of dog
7	21/9/26		Study of diuretic activity of drugs using rats/mice
8	28/9/26		Bioassay of oxytocin using rat uterine horn by interpolation method
9	5/10/26		Bioassay of serotonin using rat fundus strip by three point bioassay
10	12/10/26		Bioassay of acetylcholine using rat ileum/colon by four point bioassay
11	26/10/26		Determination of PA ₂ value of prazosin using rat anococcygeus muscle (by Schild's plot method).
12	2/11/26		Determination of PD ₂ value using guinea pig ileum
13	9/11/26		Effect of spasmogens and spasmolytics using rabbit jejunum.
14	9/11/26		Anti-inflammatory activity of drugs using carrageenan induced paw-edema model.
15	9/11/26		Analgesic activity of drug using central and peripheral methods

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