

GUJARAT TECHNOLOGICAL UNIVERSITY

Pharm.D. 2nd year

Subject Name: Pharmacotherapeutics-I

Subject Code: 828806

Theory (3 Hours/ Week, Total: 90 Hours)

Teaching Scheme (Hours)				Evaluation Scheme (Marks)				Total Marks
Theory	Tutorial	Practical	Total	Theory		Practical		
				External	Internal	External	Internal	
3	1	3	7	70	30	70	30	200

Sr. No.	Course Contents	Hours	Module Weightage
1	Cardiovascular system: Hypertension, Congestive cardiac failure, Angina Pectoris, Myocardial infarction, Hyperlipidaemias. Electrophysiology of heart and Arrhythmias.	28	31%
2	Respiratory system: Introduction to Pulmonary function test, Asthma, Chronic obstructive airways disease, Drug induced pulmonary diseases.	19	21%
3	Endocrine system: Diabetes, Thyroid diseases, Oral contraceptives, Hormone replacement therapy, Osteoporosis.	20	22%
4	General prescribing guidelines for a. Paediatric patients b. Geriatric patients c. Pregnancy and breast feeding	8	9%
5	Ophthalmology: Glaucoma, Conjunctivitis- viral & bacterial.	9	10%
6	Introduction to rational drug use Definition, Role of pharmacist Essential drug concept Rational drug formulations.	6	7%

Course Materials:

Text Books:

- Clinical Pharmacy and Therapeutics - Roger and Walker, Churchill Livingstone publication.
- Pharmacotherapy: A Pathophysiologic approach - Joseph T. Dipiro et al. Appleton & Lange.

Reference Books:

- Pathologic basis of disease - Robins SL, W.B.Saunders publication.
- Pathology and therapeutics for Pharmacists: A Basis for Clinical Pharmacy Practice - Green and Harris, Chapman and Hall publication.
- Clinical Pharmacy and Therapeutics - Eric T. Herfindal, Williams and Wilkins Publication.
- Applied Therapeutics: The clinical Use of Drugs. Lloyd Young and Koda-Kimble MA
- Avery's Drug Treatment, 4th Edn, 1997, Adis International Limited.
- Relevant review articles from recent medical and pharmaceutical literature.

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Practical (3 Hours/ Week, Total: 90 Hours)

Practicals :

Hospital postings in various departments designed to complement the lectures by providing practical clinical discussion, attending ward rounds, follow up the progress and changes made in drug therapy in allotted patients, case presentation upon discharge.

Students are required to maintain a record of cases presented and the same should be submitted at the end of the course for evaluation.

A minimum of 20 cases should be presented and recorded covering most common diseases.

Assignments:

Students are required to submit written assignments on the topics given to them. Topics allotted should cover recent developments in drug therapy of various diseases. A minimum of THREE assignments [1500 – 2000 words] should be submitted for evaluation.

Format of the assignment:

1. Minimum & Maximum number of pages.
2. Reference(s) shall be included at the end.
3. Assignment can be a combined presentation at the end of the academic year.
4. It shall be computer draft copy.
5. Name and signature of the student.
6. Time allocated for presentation may be 8+2 Min.

Scheme of Practical Examination

	Internal/ Sessional	External
Synopsis	05	15
Major Experiment	10	25
Minor Experiment	03	15
Viva	02	15
Max. marks	20	70
Duration	3 hours	4 hours

Note: Total sessional marks is 30 (20 for practical sessional plus 10 marks for regularity, promptness, viva-voce and record maintenance)