

GUJARAT TECHNOLOGICAL UNIVERSITY

B.Pharm
SEMESTER: VIII

Subject Name: Pharmacy Practice

Subject Code: 2280007

Teaching Scheme				Evaluation Scheme			
Theory	Tutorial	Practical	Total	Theory		Practical	
				External	Internal	External	Internal
3	0	0	3	80	20	0	0

No	Course Content	Hrs
1	Introduction to daily activities of a clinical/ community/ hospital pharmacist	1
2	Prescription processing: Accurate interpretation of prescription orders, Appropriateness of medication choice, dosage form, dosage, route of administration, regimen and duration of therapy, Review drug-drug/ food interaction and drug allergies Compliance issues (adherence) and financial consideration	5
3	Medication review: 3 Significance, components, collection and interpretation of patient-specific information, assessment of therapeutic goals, and identification of drug related problems, clinical progress review	3
4	Drug utilisation evaluation (DUE) : Definition, objectives, DUE cycle, types of DUE, Role of pharmacist in DUE	2
5	Communication skills: Dialogue and interview techniques, verbal and nonverbal listening, probing and gathering information	2
6	Participation in ward round Goals and objectives, ward rounds-the Indian scenario, pre-ward round preparation, intervention and communication during ward round, ward round follow-up	2
7	Patient counselling: Patient counselling on self diagnostic/monitoring tools: Home blood glucose monitor, blood pressure monitoring and home pregnancy test kits Patient counselling on OTC medications: Patient counselling on prescription medications: Direction for proper use of medicine Duration of therapy and onset of action Management of common adverse effects, interaction and missed doses Storage and handling requirements Patient counselling to promote adherence to regimens and therapy: Strategies to optimize adherence, identification of under-utilization and over-utilization of medications	4

8	Drug information: Selection of suitable drug information resources: Primary, secondary and tertiary resources, Journals, Cochrane collaborative library, Medline, Answering drug information questions	3
9	Medication and patient safety practices: Essential Drugs concept and Rational Drug Therapy Development of Therapeutic guidelines; Meaning, need for guideline, development, evidences for effectiveness and limitations of guideline Therapeutic guidelines for management of various diseases (Asthma, Hypertension, Tuberculosis) Dispensing errors Prescription Audit Pharmacovigilance- adverse drug reaction monitoring and reporting	10
10	Promotion of healthy life style and preventive health (immunization and tobacco, alcohol cessation etc.)	2
11	Paediatric pharmacy practice: Dose calculation, pharmacokinetic aspects of drug therapy, therapeutic drug monitoring in paediatrics	2
12	Geriatrics pharmacy practice: Precaution in medication, pharmacokinetic and dynamic changes with ageing, common problems in the elderly and role of clinical pharmacist	2
13	Pharmacy practice in pregnant and lactating women: Estimation of risks during pregnancy and lactation, dietary supplements requirement, pharmacokinetic and dynamic aspects, discontinuation of medications associated with withdrawal	3
14	Inventory control: Purchasing, Pricing, Outdated medications, Return to wholesaler and Return to stock>Returns from patients	2
15	Quality assurance of pharmacy services	2

Recommended 7 days (2hr/day) visit to multi specialities hospital to understand concept of pharmacy practice

Pharmacy practice teaching shall be accomplished by relevant case studies

Reference Books:

1. A textbook of Clinical pharmacy practice- Parthasarathi G., 2nd edition-2012.
2. Clinical Pharmacy and Therapeutics Roger walker and Clive Edwards, Churchill Livingstone Edinburgh, 3rd edition-2006.
3. Davidson's Principle and Practice of Medicine, EDs Christopher, Haslett, Edwin R.Chilvers.
4. Textbook of Therapeutics Drug Disease Management- Eric T.Herfindal and Dick R.Gourley, 7th edition.
5. Harrison's Principles of Internal medicine- Vol 1 and 2 Braunwald, 17th edition, Eugene & Others.
6. Melmon and Morrells Clinical Pharmacology, 4th Edition – S George Carrythers.
7. Clinical Pharmacology- P.N. Bennett, M. J. Brown, 9th edition-2003.
8. A text book of clinical pharmacology and therapeutics- James M. Ritter, Lionel D. Lewis- 5th edition-2008.

