

GUJARAT TECHNOLOGICAL UNIVERSITY

B.Pharm

SEMESTER: V

Subject Name: Hospital and Community Pharmacy

Subject Code: 2250001

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

Theory

Sr No	Course Contents	Total Hrs
1	Organization and structure: Organization of a hospital, organization & personnel of hospital pharmacy, responsibilities of a hospital pharmacist, pharmacy procedural manual, Budget preparation and Implementation, Pharmacy and Therapeutic Committee, Hospital Formulary and its contents, preparation and revision of hospital formulary.	8
2	Drug distribution systems in hospitals: a) Dispensing of drugs to out-patients. b) Dispensing of drugs to in-patients. c) Dispensing of controlled drugs. d) Pre-packaging and labeling. e) Drug charges and charging policy. f) Central Sterile Supply Unit and their Management. g) Surgical supplies and health accessories	8
3	Duties and responsibilities of hospital pharmacist	2
4	Hospital formulary: Format and appearance of the formulary, distribution of the formulary, keeping the formulary current use of nonformulary drugs, the legal basis of the formulary system, anti-substitution laws and formulary, Preparation of the formulary, formulary Vs. drug catalogue or list, selection of guiding for admission or deletion of drug, contents, prescription writing, format, size, loose leaf Vs bound publication, formulary drug listing service preparation, categorizing and indexing, sample pharmacologic index, text, specialty formulary	6
5	Nuclear pharmacy: Introduction to Radio-pharmaceuticals, radio-active half life, Units of radio-activity Production of radio-pharmaceuticals, methods of isotopic tagging, preparation of radio-isotopes in laboratory using radiation dosimetry, radio-isotope generators, permissible radiation dose level, radiation hazards and their prevention, specifications for radio-active laboratory.	5
6	Records and Reports: Prescription filling, drug profile, patient medication profile, annual report.	3
7	Patient counseling and Patient Compliance: Role of pharmacist in community health care and education.	3
8	Drugs Information Services: Sources of Information on drugs,	6

	disease, treatment schedules, procurement of information, computerized services (e.g. MEDLINE, MEDLAR etc.), retrieval of information, medication error, safe use of medicine, drug Information center, pharmacist as a information specialist.	
9	Use of computer in hospital: Terminology, program criteria, managing computer system, development of ASHP technical assistant bulletin on hospital drug distribution and control, impact of the computer in dispensing time, model computer regulations.	4

References Books:

1. Merchant and Quadry, Text book of hospital pharmacy
2. Hassan, Hospital pharmacy (Lee and Febiger)
3. R K Parikh, Hospital Pharmacy
4. Parmar N S Health education and community pharmacy