

**LESSON PLAN**  
**SUBJECT-HOSPITAL & CLINICAL PHARMACY (D.PHARM-II)**  
**PREPARED BY MRS GITANJALI TRIPATHY (LECT.IN PHARMACY)**

TITLE OF CHAPTER	THEORY DAY	TOPIC TO BE COVERED	DATE	ACTUAL PROGRESS	REMARK
<b>Hospital Pharmacy</b>	1.	Definition, scope, national and international scenario			
	2.	Organizational structure			
	3.	Professional responsibilities, Qualification and experience requirements			
	4.	Job specifications, work load requirements and inter professional relationships			
	5.	Good Pharmacy Practice (GPP) in hospital			
	6.	Hospital Pharmacy Standards (FIP Basel Statements, AHSP)			
	7.	Introduction to NAQS guidelines and NABH Accreditation			
	8.	Role of Pharmacists			
<b>Different Committees in the Hospital</b>	9.	Pharmacy and Therapeutics Committee - Objectives, Composition			
	10.	Functions of PTC			
	11.	Hospital Formulary - Definition, procedure for development and use of hospital formulary			
	12.	Infection Control Committee – Role of Pharmacist in preventing Antimicrobial Resistance			
<b>Supply Chain and Inventory Control</b>	13.	Preparation of Drug lists - High Risk drugs, Emergency drugs, Schedule H1 drugs, NDPS drugs, reserved antibiotics			
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	16.	Procedures of Drug Purchases – Drug selection, short term, long term, and tender/e			
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	18.	Inventory control techniques:			

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		Economic Order Quantity, Reorder Quantity Level, Inventory Turnover etc.			
	19.	Inventory control techniques: Inventory Turnover etc.			
	20.	Inventory Management of Central Drug Store – Storage conditions, Methods of storage			
	21.	Inventory Management of Central Drug Store – Distribution, Maintaining Cold Chain			
	22.	Inventory Management of Central Drug Store – Devices used for cold storage (Refrigerator, ILR, Walk-in-Cold rooms)			
	23.	Inventory Management of Central Drug Store –Devices used for cold storage (Refrigerator, ILR, Walk-in-Cold rooms)			
	24.	FEFO, FIFO methods			
	25.	Expiry drug removal and handling, and disposal.			
	26.	Disposal of Narcotics, cytotoxic drugs			
	27.	Documentation - purchase and inventory			
<b>Drug distribution</b>	28.	Drug distribution (in- patients and out - patients) – Definition, advantages and disadvantages of individual prescription order method			
	29.	Drug distribution (in- patients and out - patients) – Definition, advantages and disadvantages of Floor Stock Method			
	30.	Drug distribution (in- patients and out - patients) – Definition, advantages and disadvantages of Unit Dose Drug Distribution Method			
	31.	Drug distribution (in- patients and out - patients) – Definition, advantages and disadvantages of Drug Basket Method.			
	32.	Distribution of drugs to ICCU/ ICU wards.			
	33.	Distribution of drugs to NICU/ Emergency wards.			
	34.	Automated drug dispensing systems and devices			
	35.	Distribution of Narcotic and			

		Psychotropic substances and their storage		
<b>Radio Pharmaceutic als</b>	36	Storage of radiopharmaceuticals		
	37	Dispensing of radiopharmaceuticals		
	38	Disposal of radiopharmaceuticals		
	39	Application of computers in Hospital Pharmacy Practice		
	40	Electronic health records, Softwares used in hospital pharmacy		
<b>Clinical Pharmacy</b>	41	Definition, scope, and development - in India and other countries		
	42	Technical definitions, common terminologies used in clinical settings and their significance such as Paediatrics, Geriatric etc.		
	43	Technical definitions, common terminologies used in clinical settings and their significance such as Anti-natal Care, Post-natal Care, etc.		
	44	Daily activities of clinical pharmacists: Definition, goal		
	45	Daily activities of clinical pharmacists: procedure of Ward round participation		
	46	Treatment Chart Review		
	47	Drug information and poisons information		
	48	Medication history		
	49	Patient counseling		
	50	Interprofessional collaboration		
	51	Pharmaceutical care: Definition, classification of drug related problems		
	52	Principles and procedure to provide pharmaceutical care		
	53	Medication Therapy Management		
	54	Home Medication Review		
<b>Clinical laboratory tests used in the evaluation of disease states - significance</b>	55	Haematological function tests		
	56	Haematological function tests		
	57	Liver function tests		
	58	Liver function tests		
	59	Renal function tests		

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and interpretation of test results	60.	Renal function tests			
	61.	Thyroid function tests			
	62.	Tests associated with cardiac disorders			
	63.	Tests associated with cardiac disorders			
	64.	Fluid and electrolyte balance			
	65.	Fluid and electrolyte balance			
	66.	Pulmonary Function Tests			
	67.	Pulmonary Function Tests			
Poisoning	68.	Types of poisoning: Clinical manifestations and Antidotes			
	69.	Types of poisoning: Clinical manifestations and Antidotes			
	70.	Types of poisoning: Clinical manifestations and Antidotes			
	71.	Drugs and Poison Information Centre and their services – Definition, Requirements			
	72.	Information resources with examples, and their advantages and disadvantages			
	73.	Information resources with examples, and their advantages and disadvantages			
Pharmacovigilance	74.	Definition, aim and scope			
	75.	Overview of Pharmacovigilance			
Medication errors	76.	Definition, types			
	77.	Consequences, and strategies to minimize medication errors,			
	78.	LASA drugs and Tallman lettering as per ISMP			
	79.	Drug Interactions: Definition, types			
	80.	Clinical significance of drug interactions			
	81.	Clinical significance of drug interactions			
	82.	Clinical significance of drug interactions			

  
 Signature of the faculty