

GAUTAM COLLEGE OF PHARMACY
DISTT.HAMIRPUR 177001 (H.P)
LESSON PLAN

Course: D. Pharmacy 2nd Year

Session-2023-2024

Subject Name: Hospital and Clinical Pharmacy

Subject Code: ER20-25T

Total teaching hours allocated by PCI= 75 hrs

Name of faculty: Sunaina Dhiman

Duration of topic: 1 hr

Syllabus coverage schedule

Chapter No.	Topic No	Title of Topic	Learning outcome	Scheduled Date	Pedagogy	Assignment Detail	Objectives and Learning Outcomes	Remarks
1	1.	Hospital Pharmacy Definition, scope, national and international scenario	Identity the importance of	14/08/2024	Hand written Notes	Assignment on Good Pharmacy Practice (GPP) in hospital	After completion of the topic the student will be able to understand the concepts of hospital pharmacy standards and professional responsibilities	
	2.	Organisational structure	Professional responsibilities, Qualification and experience requirements, job specifications, work load requirements and inter professional relationships.	14/08/2024				
		Tutorial no. - 1		16/08/2024				
	3.	Professional responsibilities, Qualification and experience requirements, job specifications, work load requirements and inter professional relationships		17/08/2024				
	4.	Good Pharmacy Practice (GPP) in hospital		21/08/2024				
	5.	Hospital Pharmacy Standards (FIP Basel Statements, AHSP)		21/08/2024				
		Tutorial no. - 2		23/08/2024				
	6.	Introduction to NAQS guidelines and NABH Accreditation and Role of Pharmacists		24/08/2024				
2	7.	Pharmacy and Therapeutics Committee - Objectives	Describe the Composition, and functions	28/08/2024			After completion of the topic the student will be able to	
	8.	Composition, and functions of Pharmacy and Therapeutics Committee		28/08/2024				

		Tutorial no. - 3	of Pharmacy and Therapeutics Committee.	30/08/2024			understand the Composition, and functions of pharmacy and therapeutics committee	
	9.	Hospital Formulary - Definition, procedure for development and use of hospital formulary		31/08/2024				
	10.	Infection Control Committee – Role of Pharmacist in preventing Antimicrobial Resistance		04/09/2024	PPT/ PDF& Notes through on line mode			
3	11.	Preparation of Drug lists - High Risk drugs	Describe the Supply Chain and Inventory Control.	04/09/2024			After completion of the topic the student will be able to understand the Inventory control techniques and storage conditions, methods of storage, distribution, maintaining cold chain	
		Tutorial no. - 4		06/09/2024				
	12.	Emergency drugs, Schedule H1 drugs,		07/09/2024				
	13.	NDPS drugs, reserved antibiotics		11/09/2024	Hand written Notes			
	14.	Procedures of Drug Purchases		11/09/2024				
		Tutorial no. - 5		13/09/2024				
	15.	Drug selection, short term, long term		14/09/2024				
	16.	Tender/e-tender process, quotations, etc.		18/09/2024	PPT/ PDF& Notes through on line mode	Assignment on Inventory control techniques		
	17.	Inventory control techniques:		18/09/2024				
	18.	Tutorial no. - 6		20/09/2024				
	19.	Economic Order Quantity, Reorder Quantity Level,		21/09/2024				
	20.	Inventory Turnover etc, Inventory Management of Central Drug Store		25/09/2024				
	21.	Storage conditions, Methods of storage, Distribution, Maintaining Cold Chain,		25/09/2024				
		Tutorial no. - 7		27/09/2024				
	22.	Devices used for cold storage (Refrigerator, ILR, Walk-in-Cold rooms) FEFO, FIFO methods		28/09/2024				
	23.	Expiry drug removal and handling, and disposal. Disposal of Narcotics, cytotoxic drugs		04/10/2024				
	24.	Documentation - purchase and inventory		05/10/2024				

		Tutorial no. - 8		09/10/2024				
4	25.	Drug distribution (in- patients and out - patients)	Describe the methods of Drug distribution (in- patients and out - patients)	09/10/2024		Assignment on Distribution of Narcotic and Psychotropic substances and their storage	After completion of the topic the student will be able to understand the drug distribution (in- patients and out - patients) and distribution of narcotic and psychotropic substances and their storage	
	26.	Definition, advantages and disadvantages of individual prescription order method,		16/10/2024				
	27.	Floor Stock Method, Unit Dose Drug Distribution Method		16/10/2024				
		Tutorial no. - 9		18/10/2024				
	28.	Drug Basket Method.		19/10/2024				
	29.	Distribution of drugs to ICCU/ICU/NICU/Emergency wards.		23/10/2024	Hand written Notes			
	30.	Automated drug dispensing systems and devices		23/10/2024				
		Tutorial no. - 10		25/10/2024				
	31.	Distribution of Narcotic and Psychotropic substances and their storage		26/10/2024				
	32.	Drug distribution Compounding in Hospitals.	Describe the methods of Drug distribution	06/11/2024				
5	33.	Bulk compounding,		06/11/2024	Hand written Notes			
		Tutorial no. - 11		08/11/2024				
	34.	IV admixture services and incompatibilities		13/11/2024				
	35.	Total parenteral nutrition		13/11/2024				
6	36.	Radio Pharmaceuticals - Storage	Describe the importance of Radio Pharmaceutic als	16/11/2024			After completion of the topic the student will be able to understand the dispensing and disposal of radiopharmaceuticals	
		Tutorial no. - 12		16/11/2024				
	37.	Dispensing and disposal of radiopharmaceuticals		23/11/2024				
7	38.	Application of computers in Hospital Pharmacy Practice	Describe the importance of Application of computers in Hospital Pharmacy Practice	23/11/2024			After completion of the topic the student will be able to understand the application of computers in	

							hospital pharmacy practice	
	39.	Electronic health records, Softwares used in hospital pharmacy		27/11/2024	PPT/PDF& Notes through on line mode			
		Tutorial no. - 13		27/11/2024				
8	40.	Clinical Pharmacy: Definition, scope, and development - in India and other countries	Identity the importance of Clinical Pharmacy: Definition, scope, and development and Pharmaceutic al care: Definition, classification of drug related problems	29/11/2024			After completion of the topic the student will be able to understand the technical definitions, common terminologies used in clinical settings and their significance	
	41.	Technical definitions, common terminologies used in clinical settings and their significance such as Paediatrics, Geriatric		30/11/2024				
	42.	Anti-natal Care, Post-natal Care, etc.		04/12/2024				
		Tutorial no. - 14		04/12/2024				
	43.	Daily activities of clinical pharmacists: Definition, goal, and procedure of Ward round participation		06/12/2024				
	44.	Treatment Chart Review		07/12/2024				
	45.	Adverse drug reaction monitoring		11/12/2024				
		Tutorial no. - 15		11/12/2024				
	46.	Adverse drug reaction monitoring		13/12/2024	Hand written Notes			
	47.	Medication history		18/12/2024				
	48.	Patient counselling		18/12/2024				
		Tutorial no. - 16		20/12/2024				
	49.	Interprofessional collaboration		21/12/2024				
	50.	Pharmaceutical care: Definition, classification of drug related problems. Principles and procedure to provide pharmaceutical care		27/12/2024				
	51.	Medication Therapy Management, Home Medication Review		17/01/2025				
		Tutorial no. - 17		18/01/2025				
9	52.	Introduction to clinical laboratory tests	Describe the methods of	22/01/2025			After completion of	

	53.	laboratory tests used in the evaluation of disease states	clinical laboratory tests	22/01/2025			the topic the student will be able to understand the evaluation of disease states significance and interpretation of test results			
	54.	Significance and interpretation of test results		24/01/2025						
		Tutorial no. - 18		24/01/2025						
	55.	Haematological test		25/01/2025						
	56.	Liver function test		29/01/2025						
	57.	Renal function		31/01/2025	PPT/ PDF& Notes through on line mode	Assignment on significance and interpretation of test results.				
		Tutorial no. - 19		01/02/2025						
	58.	Thyroid function tests		05/02/2025						
	59.	Tests associated with cardiac disorders		05/02/2025						
	60.	Fluid and electrolyte balance		07/02/2025						
		Tutorial no. - 20		14/02/2025						
	61.	Pulmonary Function Tests		15/02/2025						
10	62.	Poisoning: Types of poisoning		Describe the types of poisoning and antidotes used in different poisoning	19/02/2025	PPT/ PDF& Notes through on line mode			After the completion of the topic the student shall be able to differentiate between different types of poisoning and antidotes used for different types of poisoning	
		63.			Clinical manifestations					19/02/2025
			Tutorial no. - 21		21/02/2025					
		64.	Antidotes used for different types of poisoning		22/02/2025					
		65.	Drugs and Poison Information Centre and their services		28/02/2025					
		66.	Definition, Requirements		01/03/2025					
		Tutorial no. - 22		05/03/2025						
	67.	Information resources with examples, and their advantages and disadvantages		05/03/2025						
11	68.	Pharmacovigilance Definition, aim and scope	Identity the importance of Pharmacovigilance	07/03/2025			After completion of the topic the student will be able to understand the pharmacovigilance definition, and scope of pharmacovigilance			
		69.		Overview of Pharmacovigilance	12/03/2025					
				Tutorial no. - 22	15/03/2025					
12	70.	Medication errors: Definition, types	Identity the importance of Medication errors and	19/03/2025		Assignment on importance of Medication	After completion of the topic the student will be			

			clinical significance of drug interactions			errors	able to understand the medication errors, consequences, and strategies to minimize medication errors	
	71.	consequences, and strategies to minimize medication errors		19/03/2025				
	72.	LASA drugs		21/03/2025				
		Tutorial no. - 23		22/03/2025				
	73.	Tallman lettering as per ISMP		26/03/2025				
	74.	Drug Interactions: Definition, types		26/03/2025				
		Tutorial no. - 24		29/03/2025				
	75.	clinical significance of drug interactions		02/04/2025				

1. Total No of Assignments given: 05
2. Model question paper given: Yes/No
3. No. of extra Lectures delivered:
4. Feedback from student taken: Yes/No

Signature of the Subject Teacher

HOD

Director cum Principal