

**Performa : Hindu College of Pharmacy****Lesson Plan**

<b>Name of the faculty</b>	<b>Reetu Rani</b>			
<b>Discipline</b>	<b>Pharmacy</b>			
<b>Year</b>	<b>2<sup>nd</sup> Year</b>			
<b>Subject</b>	<b>Hospital &amp; clinical pharmacy</b>			
<b>Lesson plan Duration</b>	<b>25 weeks (Aug. 20, 2024 to April 30, 2025)</b>			
<b>Work Load/week(In hour)</b>	<b>Lecture- 03; Practical- 01</b>			
<b>Week</b>	<b>Theory</b>		<b>Practical</b>	
	<b>Lecture Day</b>	<b>Topic</b>	<b>Practical Day</b>	<b>Topic</b>
<b>1<sup>st</sup> (Aug 4<sup>th</sup> week)</b>	<b>1<sup>st</sup></b>	Definition, function & classification of hospital	<b>1<sup>st</sup></b>	To study systemic approach to drug information queries using primary/secondary/tertiary resources of information.
	<b>2<sup>nd</sup></b>	Layout of hospital organization, Introduction & scope of hospital pharmacy		
	<b>3<sup>rd</sup></b>	National international scenario, location ,layout & organization of hospital pharmacy		
<b>2<sup>nd</sup> (Aug 5<sup>th</sup> week)</b>	<b>1<sup>st</sup></b>	Job specifications & professional responsibilities, pharmacist requirement	<b>1<sup>st</sup></b>	Viva voce
	<b>2<sup>nd</sup></b>	GPP, Hospital pharmacy standards , NABH Accreditation & role of pharmacist		
	<b>3<sup>rd</sup></b>	Revision		

<b>3<sup>rd</sup>(Sep 1<sup>st</sup> week)</b>	<b>1<sup>st</sup></b>	Pharmacy & Therapeutic Committee (PTC)	1 <sup>st</sup>	Interpretation of laboratory reports to optimize the drug therapy in a given clinical case
	<b>2<sup>nd</sup></b>	Hospital formulary system		
	<b>3<sup>rd</sup></b>	Infection Control Committee		
<b>4<sup>th</sup>(Sep 2<sup>nd</sup> week)</b>	<b>1<sup>st</sup></b>	Introduction of supply chain	1 <sup>st</sup>	Viva voce
	<b>2<sup>nd</sup></b>	Definition & techniques of inventory control (ABC & VED analysis)		
	<b>3<sup>rd</sup></b>	ABC-VED matrix, inventory turnover,FEFO & FIFO, EOQ		
<b>5<sup>th</sup>((Sep. 4<sup>th</sup> week)</b>	<b>1<sup>st</sup></b>	Periodic inventory control, perpetual inventory control,lead time,buffer stock,reorder quantity	1 <sup>st</sup>	Filling up IPCs ADR reporting form & perform causality assessments using various scales
	<b>2<sup>nd</sup></b>	Inventory management of central drug store		
	<b>3<sup>rd</sup></b>	Expiry drug removal, handling & disposal methods		
<b>6<sup>th</sup>) Oct. 1<sup>st</sup> week</b>	<b>1<sup>st</sup></b>	Documentation for purchase & inventory	1 <sup>st</sup>	Viva voce
	<b>2<sup>nd</sup></b>	Revision		
	<b>3<sup>rd</sup></b>	Revision		
<b>7<sup>th</sup>((Oct 2<sup>nd</sup> week))</b>	<b>1<sup>st</sup></b>	Drug distribution -outpatient services, automated drug dispensing system	1 <sup>st</sup>	To demonstrate the identification,types,use/application/administration of orthopaedic & surgical aids such as knee cap,LS

				Belts, abdominal belt, walker, walking sticks.
	2 <sup>nd</sup>	Drug distribution- inpatient services		
	3 <sup>rd</sup>	Distribution of drugs to ICU/ICCU/NICU/Emergency wards, storage & distribution of narcotics & psychotropic substances		
8 <sup>th</sup> (Oct.4 <sup>th</sup> week)	1 <sup>st</sup>	Revision	1 <sup>st</sup>	Viva Voce
	2 <sup>nd</sup>	Radiopharmaceuticals		
	3 <sup>rd</sup>	Application of computer in hospital pharmacy		
9 <sup>th</sup> Nov 3 <sup>rd</sup> week)	1 <sup>st</sup>	Software used in hospital pharmacy	1 <sup>st</sup>	To demonstrate the identification, types, use/application/administration of different types of bandages such as sterile gauze, cotton, crepe bandages.
	2 <sup>nd</sup>	Revision		
	3 <sup>rd</sup>	Introduction, scope & development of clinical pharmacy		
10 <sup>th</sup> Nov.4 <sup>th</sup> week)	1 <sup>st</sup>	Technical & common terms with significance	1 <sup>st</sup>	Viva voce
	2 <sup>nd</sup>	terms		
	3 <sup>rd</sup>	Daily activities of clinical pharmacist		
11 <sup>th</sup> ((Nov.5 <sup>th</sup> week)	1 <sup>st</sup>	Pharmaceutical care	1 <sup>st</sup>	To demonstrate the identification, types, use/application/administration of needles, syringes, catheters, IV set, urine bag, RYLEs tube, urine

				pots,colostomy bags, oxygen masks.
	2 <sup>nd</sup>	Medication therapy management		
	3 <sup>rd</sup>	Home medication review		
12 <sup>th</sup> (Dec 1 <sup>st</sup> week)	1 <sup>st</sup>	Revision	1 <sup>st</sup>	Viva voce
	2 <sup>nd</sup>	Haematological tests		
	3 <sup>rd</sup>	Liver function tests		
13 <sup>th</sup> (Dec. 2 <sup>nd</sup> week)	1 <sup>st</sup>	Renal function tests	1 <sup>st</sup>	Case study on drug - drug interactions
	2 <sup>nd</sup>	Revision		
	3 <sup>rd</sup>	Thyroid function tests		
14 <sup>th</sup> (Dec. 3 <sup>rd</sup> week)	1 <sup>st</sup>	Tests associated with cardiac disorders	1 <sup>st</sup>	Viva voce
	2 <sup>nd</sup>	Fluids & electrolyte		
	3 <sup>rd</sup>	Pulmonary function tests		
15 <sup>th</sup> (Jan. 2 <sup>nd</sup> week)	1 <sup>st</sup>	Revision	1 <sup>st</sup>	Case study on drug -drug interactions
	2 <sup>nd</sup>	Poisons & their classification, general treatment		
	3 <sup>rd</sup>	types of poisoning drug		
16 <sup>th</sup> (Jan. 3 <sup>rd</sup> week)	1 <sup>st</sup>	Drug information service	1 <sup>st</sup>	Viva voce
	2 <sup>nd</sup>	Drug information bulletin		
	3 <sup>rd</sup>	Qualities of pharmacist to run DIS		
17 <sup>th</sup> (Jan 4 <sup>th</sup> week)	1 <sup>st</sup>	Poison information centre (PIC)	1 <sup>st</sup>	Case study on drug - drug interactions
	2 <sup>nd</sup>	Revision		

	3 <sup>rd</sup>	Introduction & scope of pharmacovigilance		
18 <sup>th</sup> (Jan. 5 <sup>th</sup> week)	1 <sup>st</sup>	Introduction, stages	1 <sup>st</sup>	Viva voce
	2 <sup>nd</sup>	Consequences		
	3 <sup>rd</sup>	strategies to minimize errors		
19 <sup>th</sup> (Feb. 3 <sup>rd</sup> week)	1 <sup>st</sup>	Types of errors	1 <sup>st</sup>	To study wound dressing
	2 <sup>nd</sup>	LASA drugs & Tallman lettering as per ISMP		
	3 <sup>rd</sup>	Revision		
20 <sup>th</sup> (Feb. 4 <sup>th</sup> week)	1 <sup>st</sup>	revision	1 <sup>st</sup>	Viva voce
	2 <sup>nd</sup>	Introduction of drug interactions		
	3 <sup>rd</sup>	Types of drug interactions		
21 <sup>st</sup> (Feb 5 <sup>th</sup> week)	1 <sup>st</sup>	Mechanism of drug interactions	1 <sup>st</sup>	To study vaccination & injection techniques using mannequins
	2 <sup>nd</sup>	Pharmacokinetic interactions		
	3 <sup>rd</sup>	Pharmacodynamic interactions		
22 <sup>nd</sup> (Mar 3 <sup>rd</sup> week)	1 <sup>st</sup>	Direct chemical interactions	1 <sup>st</sup>	Viva voce
	2 <sup>nd</sup>	Physical interactions		
	3 <sup>rd</sup>	Revision		
23 <sup>rd</sup> (Mar 4 <sup>th</sup> week)	1 <sup>st</sup>	Role of pharmacist in evaluation & prevention of drug interactions		
	2 <sup>nd</sup>	Revision		



