

**pMonthly LessonPlan**

<b>Name of the faculty</b>	Mrs. Manisha Sharma
<b>Semester/year</b>	Diploma 2 <sup>nd</sup> Year
<b>Subject</b>	Biochemistry and clinical Pathology
<b>Lesson plan Duration</b>	JANUARY-2024
<b>WorkLoad/week(hrs)</b>	Lecture-03; Tutorial -1, Practical-01/batch

MONTH/Week	THEORY		Practical Practical Topic
	Lecture	TOPIC	
JAN/ 1st	1 <sup>st</sup>	Dietary intake of electrolytes	To determine blood sugar by glucometer
	2 <sup>nd</sup>	Dehydration, oral Rerehydration therapy	
	3 <sup>rd</sup>	Metabolism of Carbohydrates	
	Tutorial	ASSIGNMENT	
2nd	1 <sup>st</sup>	Metabolism of Carbohydrates: Glycolysis,	To determine serum cholestrol
	2 <sup>nd</sup>	TCA cycle	
	3 <sup>rd</sup>	glycogen metabolism	
	Tutorial	Revision	
3rd	1 <sup>st</sup>	Diseases related to abnormal metabolism of - Carbohydrates	To determine serum creatinine
	2 <sup>nd</sup>	Metabolism of lipids: Lipolysis	
	3 <sup>rd</sup>	$\beta$ -oxidation of Fatty acid	
	Tutorial	Revision	
	1 <sup>st</sup>	ketogenesis and ketolysis	
4th	2 <sup>nd</sup>	Diseases related to abnormal metabolism of lipids such as Ketoacidosis,	To estimate quantity of calcium in given sample of serum
	3 <sup>rd</sup>	Electrolyte composition of the body fluids	
	Tutorial	Revision	
5th	1 <sup>st</sup>	Fatty liver, Hypercholesterolemia	Preparation of phosphate buffer
	2 <sup>nd</sup>	Metabolism of Amino acids (Proteins	
	3 <sup>rd</sup>	REVISION	

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**LESSON PLAN**

**Name of the Faculty :** InderjeetKaur  
**Discipline :** D. Pharmacy  
**Year :** 2nd YEAR  
**Subject :** Hospital Pharmacy and Clinical Pharmacy  
**LessonPlan Duration :** January 2024

WEEK	THEORY		PRACTICAL	
	LECTURE DAY	TOPIC HEADLINE	PRACTICAL DAY	TOPIC
1 <sup>st</sup>	1	Technical definitions and common terminologies used in clinical settings	1	To Study about Sodium Chloride IV infusion
	2	Paediatrics, Geriatric, Anti-natal Care and Post-natal Care		
	3	Daily activities of Clinical pharmacists		
	TUTORIAL	REVISION		
2 <sup>nd</sup>	1	Definition, goal, and procedure of Ward round participation	2	Intramuscular Injection(IM) technique using mannequin
	2	Treatment Chart Review and Adverse drug reaction monitoring		
	3	Drug Information and poisons Information		
	TUTORIAL	REVISION		
3 <sup>rd</sup>	1	Medication history and Patient counselling	3	To study about Intramuscular Injection and giving IM in Thigh and its Discharge Instructions
	2	Interprofessional Collaboration		
	3	Pharmaceutical care: Definition and classification of drug related problems		
	TUTORIAL	CLASS TEST		
4 <sup>th</sup>	1	Principles to provide pharmaceutical care	4	Subcutaneous Injection(SC) technique using mannequin
	2	Procedure to provide pharmaceutical care		
	1	Medication Therapy Management	5	Use of Hospital Pharmacy Software and various digital health tools

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### Monthly Lesson Plan

<b>Name of the faculty</b>		Mrs. Amisha Maheshwari	
<b>Discipline</b>		Pharmacy	
<b>Semester/year</b>		Diploma 2nd Year	
<b>Subject</b>		PHARMACOLOGY	
<b>Lesson plan Duration</b>		JAN -2024	
<b>Work Load/week (hrs)</b>		Lecture- 03; Tutorial -1,Practical- 01/batch	
MONTH/Week	THEORY		Practical
	Lecture	TOPIC	Practical Topic
1 <sup>st</sup>	1 <sup>st</sup>	U-8 Drugs acting on GIT- Anti-ulceratives- Definitions,class,actions, dose indication, contraindication, dose indication, contraindication	To study effect of Analgesics using Analgesiometer
	2 <sup>nd</sup>	U-8 Drugs acting on GIT- Anti-Emetics- Definitions,class,actions, dose indication, contraindication, dose indication, contraindication	
	3 <sup>rd</sup>	U-8 Drugs acting on GIT- Laxatives - Definitions,class,actions, dose indication, contraindication, dose indication, contraindication	
	Tutorial	Revision	
2 <sup>nd</sup>	1 <sup>st</sup>	U-8 Drugs acting on GIT- Purgatives - Definitions,class,actions, dose indication, contraindication, dose indication, contraindication	To study analgesic activity by writhing test
	2 <sup>nd</sup>	U-8 Drugs acting on GIT- Anti-diarrhoeal drugs - Definitions,class,actions, dose indication, contraindication, dose indication, contraindication	
	3 <sup>rd</sup>	U-9 Drugs acting on Kidney- Diuretics- Definitions,class,actions, dose indication,	
	Tutorial	Revision	
3 <sup>rd</sup>	1 <sup>st</sup>	U-9 Drugs acting on Kidney- Diuretics- contraindication, dose indication, contraindication	To study screening of anti-convulsant using Electro-convulsimeter
	2 <sup>nd</sup>	U-9 Drugs acting on Kidney- Anti- Diuretics- Definitions,class,actions, dose indication, contraindication, dose indication, contraindication	
	3 <sup>rd</sup>	U-10-Hormones and Hormone Antagoists- Thyroid hormones - Definitions,class,actions, dose indication, contraindication, dose indication, contraindication	
	Tutorial	Revision	
4 <sup>th</sup>	1 <sup>st</sup>	U-10-Hormones and Hormone Antagoists-	To study screening of anti-convulsant

		<b>Anti-Thyroid hormones -</b> Definitions, class, actions, dose indication, contraindication, dose indication, contraindication	using Electro-convulsimeter
	<b>Tutorial</b>	<b>Revision</b>	
<b>5<sup>th</sup></b>	<b>1<sup>st</sup></b>	<b>U-10-Hormones and Hormone Antagoists- Parathormones -</b> Definitions, class, actions, dose indication, contraindication, dose indication, contraindication	To study screening of Muscle relaxant using Rota-Rod apparatus

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**Himachal Institute of Pharmacy  
Monthly Lesson Plan**

<b>Name of the faculty</b>	Mrs. Manisha Sharma
<b>Discipline</b>	Pharmacy
<b>Semester/year</b>	Diploma 2 <sup>nd</sup> Year
<b>Subject</b>	Community Pharmacy and Management
<b>Lesson plan Duration</b>	JANUARY-2024
<b>WorkLoad/week(hrs)</b>	Lecture-03; Tutorial -1, Practical -1 / week

MONTH/ Week	THEORY		Practical Practical Topic
	Lecture	TOPIC	
1st	1 <sup>st</sup>	use of over the counter medications in effective and safe manner	To provide counselling to simulated patients for the following chronic diseases like Type 2 Diabetes Mellitus including use of device such as insulin pen
	2 <sup>nd</sup>	need and role of Pharmacists in OTC	
	Tutorial	Revision	
	3rd	OTC medications in India	
2nd	1st	Interaction between the patient and pharmacist	To provide counselling to simulated patients for the minor ailments like pyrexia
	2 <sup>nd</sup>	Counseling for OTC products	
	Tutorial	Revision	
	3rd	Self-medication	
3rd	1 <sup>st</sup>	Role of pharmacists in promoting the safe practices during self-medication	To provide counselling to simulated patients for the minor ailments upper respiratory tract infection
	2 <sup>nd</sup>	Responding to symptoms, minor ailments and advice for self-care in conditions such as - Pain management	
	Tutorial	Revision	
	3rd	cough, diarrhea, constipation	
4th	1 <sup>st</sup>	Responding to symptoms minor ailments and advice for self-care in conditions such as vomiting, Fever	
	2 <sup>nd</sup>	dental pain, sore throat	
	3rd	Responding to symptoms, minor ailments and advice for self-care in conditions such as -skin disorders	
5th	1 <sup>st</sup>	seminar	
	2 <sup>nd</sup>	Community Pharmacy Management- introduction	

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**Monthly Lesson Plan**

<b>Name of the faculty</b>		Mrs. Amisha Maheshwari	
<b>Discipline</b>		Pharmacy	
<b>Semester/year</b>		Diploma 2nd Year	
<b>Subject</b>		PHARMACOTHERAPEUTICS	
<b>Lesson plan Duration</b>		JAN -2024	
<b>Work Load/week (hrs)</b>		Lecture- 03; Tutorial -1,Practical- 01/batch	
MONTH/Week	THEORY		Practical Practical Topic
	Lecture	TOPIC	
1 <sup>st</sup>	1 <sup>st</sup>	Infectious Disease- Malaria- introduction, pathogenesis ,clinical menifestation,	To preapare and discusss SOAP notes for Dermatitis
	Tutorial	Revision	
	2 <sup>nd</sup>	Infectious Disease- Malaria- causes, diagnosis', treatments	
2 <sup>nd</sup>	3 <sup>rd</sup>	Infectious Disease- HIV And Opportunistic Infections- introduction, pathogenesis ,clinical menifestation	To preapare and discusss SOAP notes for CASE STUDY 1
	1 <sup>st</sup>	Infectious Disease- HIV And Opportunistic Infections- causes, diagnosis ,treatments	
	Tutorial	Revision	
	2 <sup>nd</sup>	Infectious Disease- Viral infections (SARS)- introduction, pathogenesis ,clinical menifestation	
3 <sup>rd</sup>	3 <sup>rd</sup>	Infectious Disease- Viral infections (SARS)- causes, diagnosis ,treatments	To preapare and discusss SOAP notes CASE STUDY 2
	1 <sup>st</sup>	Infectious Disease- Viral infections (CoV2) - introduction, pathogenesis ,clinical menifestation, causes, diagnosis ,treatments	
	Tutorial	Revision	
	2 <sup>nd</sup>	U-9 Musculoskeletal disorders-RA- introduction, pathogenesis ,clinical menifestation, causes, diagnosis ,treatments	
4 <sup>th</sup>	3 <sup>rd</sup>	Musculoskeletal disorders-RA- causes, diagnosis ,treatments	
	1 <sup>st</sup>	Musculoskeletal disorders- Osteoarthritis- introduction, pathogenesis ,clinical menifestation	
	Tutorial	Revision	
5 <sup>th</sup>	2 <sup>nd</sup>	Musculoskeletal disorders- Osteoarthritis-causes, diagnosis ,treatments	
	1 <sup>st</sup>	U-10 Dermatology- Psoriasis-- introduction, pathogenesis ,clinical menifestation, causes, diagnosis ,treatments	
	Tutorial	Revision	

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## LESSON PLAN

Name of Faculty : Mrs. Sherry  
 Discipline : D. PHARMACY  
 Semester/year : 2<sup>nd</sup> year  
 Subject : Pharmacy law and ethics  
 Lesson Plan Duration: January 2024  
 Work Load per Week: (03 lectures per week + 01 Tutorial)

Week	Theory	
	Lecture day	Topic (Including Assignment/Test)
1 <sup>st</sup> week of January	T	Introduction to patent laws
	1	Intellectual property rights
	2	(contd.) intellectual property rights, emergency use authorization.
	3	Tutorial
2 <sup>nd</sup> week of January	T	Blood bank basic requirements
	1	(contd.) Blood bank functions
	2	Clinical establishment act and rules-aspects related to pharmacy
	3	Tutorial
3 <sup>rd</sup> week of January	T	(Contd.) clinical establishment act and rules- aspects related to pharmacy
	1	Biomedical waste management rules 2016- basic aspects and aspects related to pharma manufacture to disposal of pharma waste
	2	(Contd.) aspects related to pharma manufacture to disposal of medical waste at homes, pharmacies and hospitals
	3	Bioethics-basic concepts, history and principles,
4 <sup>th</sup> week of January	T	Brief overview of ICMR's national ethical guidelines for biomedical and health research involving human participants.
	1	Introduction to consumer protection act

	2	25 <sup>th</sup> January 2024 Himachal Statehood Day
	3	Introduction to disaster management act
5 <sup>th</sup> week of January	T	Medical devices-categorization.
	1	Basic aspects related to manufacture and sale.

Sherry

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