

Monthly Lesson Plan			
Name of the faculty		Mrs. Manisha Sharma	
Discipline		Pharmacy	
Semester/year		Diploma 1st Year	
Subject		PHARMACEUTICAL CHEMISTRY	
Lesson plan Duration		NOV -2024	
Work Load/week (hrs)		Lecture- 03; Tutorial -1, Practical- 01/batch	
MONTH/Week	THEORY		Practical Practical Topic
	Lecture	TOPIC	
Nov/2 <sup>nd</sup>	1 <sup>st</sup>	precipitation titration	To perform limit test for iron in given sample
	2 <sup>nd</sup>	complexometric titration	
	Tutorial	redox titration	
3 <sup>rd</sup>	1 <sup>st</sup>	Gravimetric analysis: Principle and method.	To perform limit test for heavy metals in given sample
	2 <sup>nd</sup>	Haematinics:	
	Tutorial	Haematinics:	
4 <sup>th</sup>	1 <sup>st</sup>	Gastro-intestinal Agents:	To perform identification test for Anionic radicals
	3 <sup>rd</sup>	Topical agents:	
5 <sup>th</sup>	1 <sup>st</sup>	Topical agents:	To perform identification test for Cationic radicals
	2 <sup>nd</sup>	Dental products	
	Tutorial	Revision	
	3 <sup>rd</sup>	Medicinal gases:	

Manish

Singh

**Monthly Lesson Plan**

Name of the faculty	Mrs. Amlsha Maheshwari
Discipline	Pharmacy
Semester/year	Diploma 1st Year
Subject	HAP (Human Anatomy and Physiology)
Lesson plan Duration	Nov -2024
Work Load/week (hrs)	Lecture- 03; Tutorial -1, Practical- 01/batch

MONTH/Week	THEORY		Practical
	Lecture	TOPIC	Practical Topic
2 <sup>nd</sup>	1st	U-5-Haemopoietic system- General Introduction	To study human skeleton and appendicular skeleton.
	2nd	Haemopoietic system- Composition And Functions Of Blood	
	3rd	Haemopoietic system- Process Of Haemopoiesis	
	Tutorial	Revision of (chap-4)/ notes checking	
3 <sup>rd</sup>	1st	Haemopoietic system- RBC's (it's characteristics and functions)	
	2nd	Haemopoietic system- WBC's (it's characteristics and functions)	
	3rd	Haemopoietic system- Platelets (it's characteristics and functions)	
	Tutorial	ASSIGNMENT -1	
4 <sup>th</sup>	1st	Haemopoietic system- Mechanism of blood clotting	To study human skeleton and appendicular skeleton.
	2nd	Haemopoietic system- Importance Of Blood Group	
	3rd	U-6 Lymphatic system- lymph, lymphatic system (structure, fuctions and formation)	
	Tutorial	ASSIGNMENT -1 Discussion	
5 <sup>th</sup>	1st	Lymphatic system- Structure Of Spleen and it's functions	
	2nd	Lymphatic system- Structure And Fuctions Of Lymph Nodes	
	3rd	U-7 Cardiovascular system- General Introduction, Anatomy of Heart	
	Tutorial	Revision of (chap-5)/ notes checking	

*Amlsha*

*Singh*



Himachal Institute of Pharmacy			
Monthly Lesson Plan			
Name of the faculty	Mr. Ayush Sharma		
Discipline	Pharmacy		
Semester/year	Diploma 1 Year		
Subject	SOCIAL PHARMACY		
Lesson plan Duration	NOV-2024		
Work Load/week (hrs)	Lecture- 03; Tutorial -1, Practical -1 batch/ week		
MONTH/Week	THEORY		practical
	Lecture	TOPIC	
OCT 2 <sup>nd</sup>	<b>Tutorial</b>	Overview of Vaccines,	To study personal hygiene etiquettes
	2 <sup>nd</sup>	types of immunity	
	3 <sup>rd</sup>	immunization	
3 <sup>rd</sup>	<b>Tutorial</b>	Water pollution,	To study various types of masks
	2 <sup>nd</sup>	air pollution	
	3 <sup>rd</sup>	noise pollution,	
	<b>Tutorial</b>	Revision	
4 <sup>th</sup>	1 <sup>st</sup>	occupational illnesses	To study PPE gear, wearing/using them and disposal
	2 <sup>nd</sup>	sewage and solid waste disposal	
	3 <sup>rd</sup>	Environmental pollution due to pharmaceuticals	
5 <sup>th</sup>	<b>Tutorial</b>	Revision	To study Emergency treatment for burns
	1 <sup>st</sup>	Drugs of misuse and abuse – psychotropics, narcotics	
	2 <sup>nd</sup>	alcohol, tobacco products.	
	3 <sup>rd</sup>	Social Impact of these habits on social health and productivity	

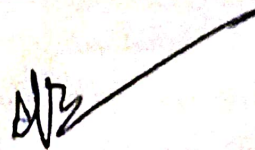
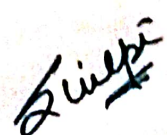
*[Signature]*

*[Signature]*

**Monthly Lesson Plan**

<b>Name of the faculty</b>	Mr. Mohd Afsar
<b>Discipline</b>	Pharmacy
<b>Semester/year</b>	Diploma 1st Year
<b>Subject</b>	Pharmaceutics
<b>Lesson plan Duration</b>	November-2024
<b>Work Load/week (hrs)</b>	Lecture-03; Tutorial -1, Practical-01/batch

MONTH/Week	THEORY		Practical Practical Topic
	Lecture	TOPIC	
2 <sup>nd</sup>	1 <sup>st</sup>	Unit Operation: Principles, Construction and working.	To prepare and submit 30ml of Calamine Lotion.
	2 <sup>nd</sup>	Size Reduction: Definitions, Applications.	
	3 <sup>rd</sup>	Size Reduction: Principles, Construction and Working of Hammer mill	
3 <sup>rd</sup>	1 <sup>st</sup>	Size Reduction: Principles, Construction and Working of Ball Mill.	To prepare and submit 30 ml of Cod Liver Oil Emulsion.
	2 <sup>nd</sup>	Size Separation: Definitions, Applications.	
	Tutorial	Test of Size Reduction	
	3 <sup>rd</sup>	Size Separation: Classification of Powders according to IP.	
4 <sup>th</sup>	1 <sup>st</sup>	Size Separation: Cyclone Separator, Sieves and Standard of Sieves.	To prepare and submit 100 g of Simple Ointment.
	2 <sup>nd</sup>	Mixing: Definitions, Applications, Construction and Working of: Double Cone Blender.	
	Tutorial	Revision	
	3 <sup>rd</sup>	Mixing: Construction and Working of: Turbine Mixer.	
5 <sup>th</sup>	1 <sup>st</sup>	Mixing: Construction and Working of: Triple Roller Mill, Silver Mixer Homogenizer.	To prepare and submit 30 ml of Aqueous Iodine Solution.
	2 <sup>nd</sup>	Filtration: Theory of Filtration, Membrane Filter and Sintered Glass Filter.	
	Tutorial	Drying: Working of Fluidized Bed Dryer and process of Freeze Dryer.	
	3 <sup>rd</sup>	Extraction: Definition, Classification, Method and Applications.	



**Himachal Institute of Pharmacy**

**Lesson Plan**

<b>Name of the Faculty</b>	Miss. Harshita Pant			
<b>Discipline</b>	Pharmacy			
<b>Semester / Year</b>	Diploma 1 <sup>st</sup> Year			
<b>Subject</b>	Pharmacognosy			
<b>Lesson Plan Duration</b>	November (2024)			
<b>Work Load /Week(hrs)</b>	Lecture -03: Tutorial-1, Practical -01 batch/Week			
Week	Theory		Practical	
	Lecture	Topic	No. of Practical's	Topic
2 <sup>nd</sup> Week November	1st	Class Test		To Perform the Morphological Study and Identification of given crude drugs : Isphgula, Senna and Coriander
	2nd	Biological source , Chemical constituent and therapeutics efficacy of Carminatives		
	3rd	Revision		
	Tutorial	Revision		
3 <sup>rd</sup> week November	1st	Biological source , Chemical constituent and therapeutics efficacy of Astringents (Myrobalan)		To Perform the Morphological Study and Identification of Rauwolfia , Gokhru and Punarnava
	2nd	Biological source , Chemical constituent and therapeutics efficacy of Astringents(Balack catechu)		
	3rd	Biological source , Chemical constituent and therapeutics efficacy of Astringents(Pale catechu)		
	Tutorial	Revision		
4 <sup>th</sup> Week November	1st	Biological source , Chemical constituent and therapeutics efficacy of Drug acting on nervous system (Belladonna, Hyoscyamus)	3	
	2nd	Biological source , Chemical constituent and therapeutics efficacy of Drug acting on nervous system (Ephedra , Opium)		
	3rd	Biological source , Chemical constituent and therapeutics efficacy of Drug acting on nervous system (Tea leaves, coffee seeds)		
	Tutorial	Class Test		
5 <sup>th</sup> Week Novemeber	1st	Biological source , Chemical constituent and therapeutics efficacy of Drug acting on		To Perform the Morphological Study and Identification of

		nervous system(Coca)		Cardamom and Balack Pepper
	2 <sup>nd</sup>	Biological source , Chemical constituent and therapeutics efficacy of Antihypertensive		
	3 <sup>rd</sup>	Biological source , Chemical constituent and therapeutics efficacy of Antitussive(Vasaka)		
	Tutorial	Revision		

*Garshika*

*Swepi*



**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>		Nov-2024	
<b>Work Load/week (hrs)</b>		Lecture- 03; Tutorial -1,Practical- 01/batch	
MONTH/Week 2 <sup>nd</sup>	THEORY		Practical Practical Topic
	Lecture	TOPIC	
	1 <sup>st</sup>	CVS- Hyperlipidemia- diagnosis ,treatments	To preapare and discusss SOAP notes for Myocardial Infarction
	Tutorial	U-2 Revision	
	2 <sup>nd</sup>	CVS- CHF- introduction, pathogenesis	
	3 <sup>rd</sup>	CVS- CHF- clinical menifestation, causes	
3 <sup>rd</sup>	1 <sup>st</sup> SESSIONALS (TENTATIVE )		
4 <sup>th</sup>	1 <sup>st</sup>	CVS- CHF- diagnosis ,treatments	To preapare and discusss SOAP notes for Hyperlipidaemia
	Tutorial	U-2 Revision	
	2 <sup>nd</sup>	U-3 Respiratory system- Asthma- introduction, pathogenesis	
5 <sup>th</sup>	1 <sup>st</sup>	Respiratory system- Asthma- clinical menifestation, causes	To preapare and discusss SOAP notes fo
	Tutorial	ASSIGNMENT NO. 1	
	2 <sup>nd</sup>	Respiratory system- Asthma- diagnosis ,treatments	
	3 <sup>rd</sup>	Respiratory system- COPD-- introduction, pathogenesis ,clinical menifestation, causes	

Amisha

Swati

**Monthly Lesson Plan**

<b>Name of the faculty</b>	Mr. Ayush Sharma
<b>Discipline</b>	Pharmacy
<b>Semester/year</b>	Diploma 2nd Year
<b>Subject</b>	PHARMACOLOGY
<b>Lesson plan Duration</b>	Nov -2024
<b>Work Load/week (hrs)</b>	Lecture- 03; Tutorial -1,Practical- 01/batch

MONTH/Week	THEORY		Practical Practical Topic
	Lecture	TOPIC	
2 <sup>nd</sup>	1 <sup>st</sup>	Drugs Acting On PNS- Neuromuscular blocking agents -Definitions,class,actions, dose indication, contraindication	To study commonly used instruments in Exp. Pharmacology
	2 <sup>nd</sup>	Drugs Acting On PNS- Neuromuscular blocking agents - indication, contraindication	
	3 <sup>rd</sup>	Drugs Acting On PNS- Myasthenia gravis-Definitions,class,actions, dose indication, contraindication	
	<b>Tutorial</b>	ASSIGNMENT NO. 1	
3 <sup>rd</sup>	1 <sup>st</sup> SESSIONALS		
4 <sup>th</sup>	1 <sup>st</sup>	Drugs Acting On PNS- local anaesthetics-Definitions,class,actions, dose indication, contraindication	To study different routes of drug administration
	2 <sup>nd</sup>	Drugs Acting On PNS- local anaesthetics-dose indication, contraindication	
	<b>Tutorial</b>	Revision Of U-2	
5 <sup>th</sup>	1 <sup>st</sup>	Drugs Acting On PNS (NSAID's) - Definitions,class,actions, dose indication, contraindication	To study types of pre-clinical experiments-In-viv
	2 <sup>nd</sup>	Drugs Acting On PNS (NSAID's) - dose indication, contraindication	
	3 <sup>rd</sup>	U-3- Drugs Acting On EYE- MIOTICS-Definitions,class,actions, dose indication, contraindication, dose indication, contraindication	
	<b>Tutorial</b>	Revision Of U-2	

*[Handwritten Signature]*

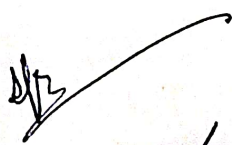
*[Handwritten Signature]*



**Monthly Lesson Plan**

<b>Name of the faculty</b>	Mr. Mohd Afsar
<b>Discipline</b>	Pharmacy
<b>Semester/year</b>	Diploma 2nd Year
<b>Subject</b>	Pharmacy Law and Ethics
<b>Lesson plan Duration</b>	November-2024
<b>Work Load/week (hrs)</b>	Lecture-03; Tutorial -1, Practical-01/batch

MONTH/Week	THEORY	
	Lecture	TOPIC
1st	1 <sup>st</sup>	<b>Drug and Cosmetic Act 1940 and Rules 1945 and New Amendments: Objectives</b>
2 <sup>nd</sup>	Tutorial	<b>Revision U -2</b>
	1 <sup>st</sup>	<b>Drug and Cosmetic Act 1940 and Rules 1945 and New Amendments: Definitions, Legal Definitions of schedules to the Act and Rules.</b>
	2 <sup>nd</sup>	<b>Drug and Cosmetic Act 1940 and Rules 1945 and New Amendments: Import of Drugs.</b>
	3 <sup>rd</sup>	<b>Drug and Cosmetic Act 1940 and Rules 1945 and New Amendments: Classes of drugs and cosmetics prohibited from import, Import under Permit or License.</b>
3 <sup>rd</sup>	1 <sup>st</sup>	<b>SESSIONALS</b>
4 <sup>th</sup>	Tutorial	<b>Test of unit 2</b>
	1 <sup>st</sup>	<b>Manufacture of Drug: Manufacture of drug for test, examination and analysis. Manufacture of new drug.</b>
	2 <sup>nd</sup>	<b>Manufacture of Drug: Loan license and Repacking License.</b>
	3 <sup>rd</sup>	<b>Study of Schedule C and C1, G, H, H1, K, P, N and X.</b>
5 <sup>th</sup>	Tutorial	<b>Revision</b>
	1 <sup>st</sup>	<b>Sale of Drug: Wholesale, Retail Sale and Restricted License Record kept in pharmacy.</b>
	2 <sup>nd</sup>	<b>Administration of the Act and Rule: Drug technical Advisory Board, Central Drug Laboratory, Drug Consultative committee.</b>
	3 <sup>rd</sup>	<b>Administration of the Act and Rule: Govt Analysis, Licensing Authorities, Controlling Authorities, Offence and Penalties.</b>

  
 Sulebi

**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>	NOV - 2024	
<b>Work Load/week (hrs)</b>	Lecture- 03; Tutorial -1, Practical -1 / week	
<b>MONTH/W eek</b>	<b>THEORY</b>	
	<b>Lecture</b>	<b>TOPIC</b>
<b>OCT/ 2nd</b>	<b>1<sup>st</sup></b>	Definition and benefits of patient counselling
	<b>2<sup>nd</sup></b>	Stages of patient counselling
	<b>Tutorial</b>	Revision for sessional
<b>3<sup>rd</sup></b>		SESSIONALS
<b>4<sup>th</sup></b>	<b>1<sup>st</sup></b>	Stages of patient counselling
	<b>2<sup>nd</sup></b>	Barriers to effective counseling
	<b>Tutorial</b>	strategies to overcome the barriers
	<b>3<sup>rd</sup></b>	Patient counselling points for chronic diseases - Hypertension,
<b>5<sup>th</sup></b>	<b>1<sup>st</sup></b>	Diabetes,
	<b>2<sup>nd</sup></b>	Asthma
	<b>Tutorial</b>	To provide health screening services for blood glucose monitoring
	<b>3<sup>rd</sup></b>	Tuberculosis, Chronic obstructive pulmonary disease
		<b>Practical</b>
		<b>Practical Topic</b>
		To provide health screening services for blood glucose monitoring
		SESSIONALS
		To provide counselling to simulated patients for chronic disease -Primary hypertension
		To provide counselling to simulated patients for the chronic disease - Asthma including education on the use of devices such as inhalers, spacers, nebulizers

*Manish*  
*Sharma*



### Monthly Lesson Plan

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

MONTH/Week	THEORY		Practical
	Lecture	TOPIC	Practical Topic
NOV/2nd	1 <sup>st</sup>	Qualitative tests and functions of lipids	To perform qualitative analysis of amino acids . (egg albumin)
	2 <sup>nd</sup>	Qualitative tests and functions of lipids	
	Tutorial	Nucleic acids • Definition, purine and pyrimidine bases	
	3 <sup>rd</sup>	Revision For Sessional	
3 <sup>rd</sup>	1 <sup>st</sup>	SESSIONALS	SESSIONALS
4 <sup>th</sup>	1 <sup>st</sup>	Components of nucleosides and nucleotides with examples	To perform qualitative analysis of amino acids . (alanine)
	2 <sup>nd</sup>	Structure of DNA	
	3 <sup>rd</sup>	Structure of RNA	
5 <sup>th</sup>	1 <sup>st</sup>	functions	To perform qualitative analysis of proteins (milk)
	2 <sup>nd</sup>	Enzymes • Definition, properties	
	Tutorial	Revision	
	3 <sup>rd</sup>	IUB and MB classification	