

## LESSON PLAN

Name of Faculty : Mrs. Sherry  
 Discipline : D. PHARMACY  
 Semester/year : 1<sup>st</sup> year  
 Subject : Pharmaceutics-I (THEORY & PRACTICAL)  
 Lesson Plan Duration: November 2023  
 Work Load per Week: (03 lectures per week + 01 Tutorial) & one practical per week

Week	Theory		Practical
	Lecture day	Topic (Including Assignment/Test)	Experiments (Including Sessional Exam)
1 <sup>st</sup> week of November	1	<b>KARWA CHAUTH HOLIDAY</b>	To Prepare and Submit Paracetamol Tablets.
	T	Granulation method (wet, dry and direct compression granulation method), Tablet making machines	
	2	Tablet defects (Chipping, picking, mottling, sticking etc.) and Evaluation Parameters of Tablets (Appearance, shape, content uniformity, weight variation Test etc)	
2 <sup>nd</sup> week of November	<b>1<sup>st</sup> Sessional Examination</b>		
3 <sup>rd</sup> week of November	1	Disintegration Test, Dissolution Test, Hardness test, Friability Test.	To Prepare and Submit 10 Capsules of Aspirin and Paracetamol
	2	<b>Introduction of Capsules:</b> - Advantages and their disadvantages and classification	
	T	Formulation and method of Preparation of <b>Hard gelatin capsules &amp; Soft gelatin capsules.</b>	
	3	Evaluation Parameters of Capsules (weight variation test, Disintegration test etc.) and Storage	
4 <sup>th</sup> week of November	1	Contd. Evaluation Parameters of Capsules (weight variation test, Disintegration test etc.) and Storage	To Prepare and Submit Paediatric Paracetamol Elixir.
	2	<b>Liquid Oral Preparation:</b> - Syrups, and Solution (Definition, Formulation and	

		Container, labelling, storage)	
	T	Elixir, Solution (Definition, Formulation and Container, labelling, storage)	
	3	<b>Emulsions</b> (Definition, Advantages and classification of Emulsion and emulsifying agent)	
5 <sup>th</sup> week of November	1	<b>GURU NANAK JYANTI HOLIDAY</b>	
	2	Preparation of Emulsion by wet gum method & Dry gum method.	

*Sherry*

*Sherry*

## LESSON PLAN

**Name of the Faculty :** Ms. Promil  
**Discipline :** D. Pharmacy  
**Year :** 1<sup>ST</sup>YEAR  
**Subject :** Pharmacognosy  
**Lesson Plan Duration :** November 2023

WEEK	THEORY		PRACTICAL	
	LECTURE DAY	TOPIC HEADLINE	PRACTICAL DAY	TOPIC
1 <sup>st</sup>	1	Plant fibres used as surgical dressings: Cotton	1	To perform the morphological study and microscopical study of Liquorice
	TUTORIAL	REVISION		
2 <sup>nd</sup>		<b>I<sup>st</sup>-SESSIONAL EXAMS</b>		
3 <sup>rd</sup>	1	Plant fibres used as surgical dressings: Silk	2	To study the morphological characteristics of drug acting on Anti-malarial(Agar)
	2	Plant fibres used as surgical dressings: Wool		
	TUTORIAL	Regenerated fibres		
4 <sup>th</sup>	1	Sutures – Surgical Catgut and Ligatures	3	To perform the microscopy of Vinca
	2	Basic principles involved in the traditional systems of medicine like: Ayurveda		
	3	Basic principles involved in the traditional systems of medicine like: Siddha		
	TUTORIAL	CLASS TEST		
5 <sup>th</sup>	1	Unani and Homeopathy	4	To perform the morphological study and identification of Nutmeg

  




## LESSON PLAN

**Name of the Faculty :** Inderjeet Kaur

**Discipline :** D. Pharmacy

**Year :** 1<sup>ST</sup>YEAR

**Subject :** Social Pharmacy

**Lesson Plan Duration :** November 2023

WEEK	THEORY		PRACTICAL	
	LECTURE DAY	TOPIC HEADLINE	PRACTICAL DAY	TOPIC
1 <sup>st</sup>	1	Sewage and Solid waste Disposal		
	2	Occupational illnesses		
	TUTORIAL	REVISION		
2 <sup>nd</sup>		<b>I<sup>st</sup>-SESSIONAL EXAMS</b>		
3 <sup>rd</sup>	1	Environmental pollution due to pharmaceuticals	1	To study First aid theory,basics,demonstration i.e CPR Techniques for suspected cardiac arrest
	2	Psychosocial Pharmacy		
	TUTORIAL	REVISION		
4 <sup>th</sup>	1	Drugs of misuse and abuse	2	To study First Aid – Theory for bleeding and chocking
	2	Psychotropics and Narcotics		
	3	Alcohol and Tobacco products		
	TUTORIAL	CLASS TEST		
5 <sup>th</sup>	1	Social Impact of these habits on Social health	3	To study Emergency treatment for snake bite
	2	Productivity and Suicidal behaviours		

*Kaur*  
*Singh*

### Monthly Lesson Plan

Name of the faculty		Mrs. Manisha Sharma	
Discipline		Pharmacy	
Semester/year		Diploma 1st Year	
Subject		PHARMACEUTICAL CHEMISTRY	
Lesson plan Duration		NOVEMBER -2023	
Work Load/week (hrs)		Lecture- 03; Tutorial -1, Practical- 01/batch	
MONTH/Week	THEORY		Practical Practical Topic
	Lecture	TOPIC	
NOV/ 1st	2 <sup>nd</sup>	Nomenclature of heterocyclic	
	Tutorial	Nomenclature of heterocyclic	
	3 <sup>rd</sup>	Revision for sessional	
2 <sup>nd</sup>		SESSIONALS	SESSIONALS
3 <sup>rd</sup>	1 <sup>st</sup>	Anaesthetics- classification Thiopental Sodium*, Ketamine Hydrochloride*, Propofol	
	2 <sup>nd</sup>	Sedatives and Hypnotics	
	Tutorial	Sedatives and Hypnotics	
	3 <sup>rd</sup>	Antipsychotics:-classification Chlorpromazine Hydrochloride ,Haloperidol	
4 <sup>th</sup>	1 <sup>st</sup>	Olanzapine Quetiapine, Lurasidone, Risperidone*	To prepare and standardize 0.1N KMNO <sub>4</sub> solution by using standard sol. Of 0.1 N oxalic acid
	2 <sup>nd</sup>	Sulpiride ,Anticonvulsants: Phenytoin, Carbamazepine*, Clonazepam	
	Tutorial	Valproic Acid* Vigabatrin,	
	3 <sup>rd</sup>	Lamotrigine, Gabapentin*, Topiramate	
5 <sup>th</sup>	1 <sup>st</sup>	ASSIGNMENT	To carry out assay of given sample of Ferrous sulphate
	2 <sup>nd</sup>	Anti-Depressants: classification, Amitriptyline Hydrochloride	
	Tutorial	CLASS TEST	

Manisha

Sulphate

**Monthly Lesson Plan**

<b>Name of the faculty</b>	Mrs. Amisha Maheshwari		
<b>Discipline</b>	Pharmacy		
<b>Semester/year</b>	Diploma Ist Year		
<b>Subject</b>	HAP (Human Anatomy and Physiology)		
<b>Lesson plan Duration</b>	NOV -2023		
<b>Work Load/week (hrs)</b>	Lecture- 03; Tutorial -1,Practical- 01/batch		
MONTH/Week	THEORY		Practical Practical Topic
	Lecture	TOPIC	
2nd	1 <sup>st</sup>	SESSIONALS	SESSIONALS
3rd	1 <sup>st</sup>	<b>Cardiovascular system-</b> Coronary Circulation	To record BP in various postures
	2 <sup>nd</sup>	<b>Cardiovascular system-</b> Systemic Circulation	
	3 <sup>rd</sup>	<b>U-8 Respiratory sytem-</b> anatomy of respiratory organs	
4th	1 <sup>st</sup>	<b>Respiratory sytem-</b> Functions Of Respiratory Organs	To record body temperature, heart rate, pulse rate, respiratory rate
	2 <sup>nd</sup>	<b>Respiratory sytem-</b> Regulation And Mechanism Of Respiration	
	Tutorial	Revision	
	3 <sup>rd</sup>	<b>Respiratory sytem-</b> Definitions of respiratory volumes and capacities	
5th	2 <sup>nd</sup>	<b>U-9 Digestive system-</b> General Introduction	To record force of air expelled (using peak flow meter)
	Tutorial	Display of 1 <sup>st</sup> sessionals marks	

*Amisha*

*Singh*