

LESSON PLAN

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

Week	Theory		Practical
	Lecture day	Topic (Including Assignment/Test)	
1 st week of September	Tutorial	Study of Glass as material for container, its composition	
	1	Types of glass and their advantages and disadvantages	
2 nd week of September	1	Types of Container	To Prepare and Submit Simple syrup. (I.P)
	2	Study of Plastic as material for container (Composition, Classification of Plastics and their merits and demerits)	
	Tutorial	Packaging material presentation	
	3	Closures, metal and Types of closure	
3 rd week of September	1	Rubber as material for closure	To Prepare and Submit Calamine lotion.
	2	Introduction to Pharmaceutical Aids and organoleptic agents	
	Tutorial	Colouring Agents and their classification Sweetening Agents and their types, Properties and pharmaceutical uses	
	3	Flavoring Agents and types of flavoring agent, Definition of Preservative, types with examples and uses	
4 th week of September	1	Size reduction- Introduction, Methods.	To Prepare and submit Simple Ointment.
	2	Principle, Construction, working, uses and Merits and demerits of Ball mill	
	Tutorial	Principle, Construction, working, uses and Merits and demerits of Hammer mill	
	3	Size Separation- Introduction, Methods.	
5 th week of	1	World Pharmacist Day celebration.	

September	2	Classification of Powders according to I.P, Sieves and Standard for sieves	
	Tutorial	Principle, Construction working and uses of Cyclone separator ,	
	3	Contt. Principle, Construction working and uses of Cyclone separator	

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LESSON PLAN

Name of the Faculty : Inderjeet Kaur

Discipline : D. Pharmacy

Year : 1ST YEAR

Subject : Social Pharmacy

Lesson Plan Duration : September 2023

WEEK	THEORY		PRACTICAL	
	LECTURE DAY	TOPIC HEADLINE	PRACTICAL DAY	TOPIC
1 st	1	Concept of Health		
	2	WHO Definition of Health		
2 nd	1	Various dimensions of Health	1	To study Family planning devices
	2	Determinants of Health		
	TUTORIAL	REVISION		
3 rd	1	Health Indicators	2	To study Microscopical observation of different microbes
	2	National Health Policy – Indian perspective		
	3	Public and Private Health System in India		
	TUTORIAL	CLASS TEST		
4 th	1	National Health Mission	3	To study Oral Health and Hygiene
	2	Introduction to Millennium Development Goals		
	3	Sustainable Development Goals		
	TUTORIAL	REVISION		
5 th	1	FIP Development Goals	4	To study Personal hygiene etiquettes
	2	Preventive healthcare		
	3	Role of Pharmacists in Preventive healthcare		
	TUTORIAL	REVISION		

(Signature)

Monthly Lesson Plan

Name of the faculty		Mrs. Manisha Sharma	
Discipline		Pharmacy	
Semester/year		Diploma 1st Year	
Subject		PHARMACEUTICAL CHEMISTRY	
Lesson plan Duration		SEPTEMBER-2023	
Work Load/week (hrs)		Lecture-03; Tutorial -1, Practical-01/batch	
MONTH/Week	THEORY		Practical Practical Topic
	Lecture	TOPIC	
1st	3 rd	Limit tests for chloride	To study different types of glasswares used in laboratory
2nd	1 st	Limit tests for sulphates,	
	3 rd	Limit tests for iron	
3rd	1 st	Limit tests for heavy metals	To perform limit test for chloride in given sample
	2 nd	Limit tests for arsenic	
	Tutorial	Revision	
	3 rd	Volumetric analysis: Fundamentals of volumetric analysis	
4th	1 st	Acid-base titration	To perform limit test for sulphate in given sample
	2 nd	non-aqueous titration	
	Tutorial	revision	
	3 rd	precipitation titration	
5th	1 st	complexometric titration	To perform limit test for iron in given sample
	2 nd	redox titration	
	Tutorial	Class test	
	3 rd	Gravimetric analysis: Principle and method	

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04/05/23

LESSON PLAN

Name of the Faculty : Ms. Promil
Discipline : D. Pharmacy
Year : 1ST YEAR
Subject : Pharmacognosy
Lesson Plan Duration : September 2023

WEEK	THEORY		PRACTICAL	
	LECTURE DAY	TOPIC HEADLINE	PRACTICAL DAY	TOPIC
1 st	1	Brief outline of distribution and isolation of alkaloids, terpenoids, glycosides, volatile oils, tannins and resins		
	2	Identification tests of alkaloids, terpenoids, glycosides, volatile oils, tannins and resins		
2 nd	1	Therapeutic activity of alkaloids, terpenoids, glycosides, volatile oils, tannins and resins	1	To study section cutting techniques and staining mounting of section
	2	Pharmaceutical applications of alkaloids, terpenoids, glycosides, volatile oils, tannins and resins		
	3	Biological source, chemical constituents and therapeutic efficacy of the following categories of crude drugs. Laxatives- Aloe, Castor oil, Ispaghula, Senna		
	TUTORIAL	CLASS TEST		
3 rd	1	Cardiotonic -Digitalis, Arjuna	2	To perform the morphological study and identification of given crude drug: Ispaghula, Senna and Coriander
	2	Carminatives and G.I. regulators -Coriander, Fennel, Cardamom		
	3	Ginger, Clove, Black Pepper, Asafoetida, Nutmeg, Cinnamon		
	TUTORIAL	REVISION		
4 th	1	Astringents -Myrobalan, Black Catechu, Pale Catechu	3	To perform the morphological study and identification of Rauwolfia, Gokhru and Punarnava
	2	Drugs acting on nervous system -Hyoscyamus, Belladonna, Ephedra		
	3	Opium, Tea leaves, Coffee seeds, Coca		
	TUTORIAL	CLASS TEST		
5 th	1	Anti-hypertensive- Rauwolfia	4	To perform the morphological study and identification of Cardamom and Black pepper
	2	Anti-tussive- Vasaka, Tolu Balsam		
	3	Anti-rheumatics -Colchicum seed		
	TUTORIAL	REVISION		

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 04/09/23

Himachal institute of Pharmacy				
Lesson Plan				
Name of the faculty		Ms. Neha		
Discipline		D.Pharmacy		
Semester/year		Diploma 1 st year		
Subject		HAP (Human Anatomy and Physiology)		
Lesson plan Duration		SEPTEMBER (2023-2024)		
Work Load/week (hrs)		Lecture- 03; Tutorial -1,Practical- 01/batch		
Week	Theory		Practical	
	Lecture	Topic	Practical	Topic
/ 1 st	1 st	U-3 muscular tissue- types, functions	1	To study general techs. For blood collection
2 nd	1 st	U-3 nervous tissue-types, function	2	To study Microscopic examination of different tissues.
	2 nd	U-4 OSSEOUS SYSTEM- Axial Skeleton- types , characteristic, functions		
	3 rd	U-4 Axial skeletal		
3 rd	1 st	U-4 Appendicular skeleton-types	3	To study axial and appendicular skeletal
	2 ND	U-4 Appendicular skeleton- function		
	Tutorial	U-4 Appendicular skeleton- femur		
	3 rd	U-4 Appendicular skeleton- femur		
4 th	1 st	U-4 Appendicular skeleton- lower bones	4	To studyBP recoding.
	2 nd	U-4 JOINTS- introduction		
	Tutorial	U-4 joints – classification, types, movemnets		
	3 rd	U-5 Haemopoiesis system- blood ,		

		functions		
5 th	1 st	U-5 Haemopoiesis system- composition of blood, RBCs	5	To study bleeding time and clotting time.
	2 nd	U-5 Haemopoiesis system-RBCs- functions, compositions, disordees		
	Tutorial	U-5 Haemopoiesis system-WBSc- functions		
	3 rd	U-5 Haemopoiesis system- WBCs- disorders		

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