

## Lesson plan

**Name of the Faculty :** Gurpreet kaur

**Discipline :** D. Pharmacy

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

**Subject :** Pharmaceutical chemistry

**Lesson Plan Duration :** December 2021

Week	Theory		Practical	
	Lecture day	Topic headline	Practical day	Aim
1 <sup>st</sup>	1	<b>Inorganic pharmaceuticals: Haematinics:</b> ferrous sulphate, ferrous fumarate, Ferric ammonium citrate,	1	To perform the identification test for anions as per Indian pharmacopoeia.
	2	Ferrous ascorbate, carbonyl iron. <b>Gastro-intestinal Agents: Antacids:</b> aluminium hydroxide gel,		
	3	Magnesium hydroxide, Magaldrate, sodium bicarbonate,		
2 <sup>nd</sup>	4	Calcium carbonate, <b>Acidifying agents,</b>	2	To perform the identification test for cations as per Indian pharmacopoeia.
	5	<b>Adsorbents, Cathartics, protective</b>		
	6	<b>Medicinal gases;</b> carbon dioxide, nitrous oxide, oxygen		
3 <sup>rd</sup>	7	<b>Topical agents;</b> silver nitrate, ionic silver	3	To prepare and standardize of sodium hydroxide.
	8	Chlorhexidine gluconate, hydrogen peroxide, boric acid		
	9	Bleaching powder, potassium permanganate		
5 <sup>th</sup>	10	<b>Dental products:</b> calcium carbonate, sodium fluoride,	4	To prepare and standardize of potassium permanganate.
	11	<b>Denture cleansers, denture adhesives, mouth washes</b>		
	12	<b>Introduction to nomenclature of organic chemical systems.</b>		

*Gaur*

*LPK*

Name of the Faculty: Vijeta Dhote

Discipline : D. Pharmacy

Year : 1st YEAR

Subject : Pharmacognosy

Lesson Plan Duration: December 2021

### Lesson plan

Week	Theory		Practical	
	Lecture day	Topic headline	Practical day	Practical name
1 <sup>st</sup>	1.	Different methods of adulteration of crude drugs	1.	To study morphological characteristics of crude drug of cardamom and cinnamon.
2 <sup>nd</sup>	1.	Evaluation of crude drugs	2.	To study morphological characteristics of drug acting on CNS (Ephedra).
	2.	Morphological evaluation		
	3.	Microscopic evaluation		
3 <sup>rd</sup>	1	Physical evaluation	3.	To study morphological characteristics of drug acting on diuretic (Gokharu).
	2.	Chemical Evaluation		
	3.	Biological evaluation		
5 <sup>th</sup>	1.	Revision	4.	To study morphological characteristics of crude drug of Rauwolfia and Agar.

*[Handwritten signature]*

*[Handwritten signature]*

## Lesson plan

Name of the Faculty : Promil Chauhan

Discipline : D. Pharmacy

Year : 1<sup>st</sup> Year

Subject : Pharmaceutics-I

Lesson Plan Duration : December 2021

Week	Theory		Practical	
	Lecture Day	Topic headline	Practical Day	Topic
1 <sup>st</sup>	1.	Methods of size reduction and Principle, Construction, working, uses and Merits and demerits of <b>Ball mill</b>	1	To Prepare and Submit 10gm. Of Simple Ointment.
	2.	Principle, Construction, working, uses and Merits and demerits of <b>Hammer mill</b>		
	3.	<b>Size Separation</b> -Classification of Powders according to I.P		
2 <sup>nd</sup>	4.	Principle, Construction working and uses of <b>Cyclone separator</b>	2	To Prepare and submit 20gm of Sulphur Ointment.
	5.	Sieves and Standard for sieves		
	6.	Mixing-Definition, objectives types of mixture, Physical properties affect Mixing		
3 <sup>rd</sup>	7.	Principle, Construction, working, uses and Merits and demerits of <b>Double Cone blender</b>	3	To Prepare and Submit 50ml of Liquid Paraffin emulsion.
	8.	Principle, Construction, working, uses and Merits and demerits of <b>Turbine Mixer</b>		
	9.	Principle, Construction, working, uses and Merits and demerits of <b>Triple Roller Mill and silverson Homogenizer</b>		
5 <sup>th</sup>	10.	Filtration and Theory of filtration		

*Promil*

*Promil*

## Lesson plan

Name of the Faculty : Inderjeet Kaur

Discipline : D. Pharmacy

Year : 1<sup>st</sup> Year

Subject : Social Pharmacy

Lesson Plan Duration : December 2021

Week	Theory		Practical	
	Lecture Day	Topic headline	Practical Day	Topic
1 <sup>st</sup>	1.	Overview of Vaccines	1	Personal hygiene and etiquettes – hand washing techniques, Cough and sneeze etiquettes.
	2.	Types of immunity and immunization		
	3.	Effect of Environment on Health – Water pollution and Importance of safe drinking water		
2 <sup>nd</sup>	4.	Waterborne diseases		
	5.	Air pollution and Noise pollution		
3 <sup>rd</sup>	6.	Sewage and solid waste disposal and Occupational illnesses	2	
	7.	Environmental pollution due to pharmaceuticals		
	8.	Psychosocial Pharmacy: Drugs of misuse and abuse – psychotropics		
5 <sup>th</sup>	9.	Narcotics, Alcohol and Tobacco products		
	10.	Social Impact of these habits on social health		
	11.	Productivity and suicidal behaviours	3	First Aid – Theory, basics, demonstration, hands on training, audio-visuals, and practice, BSL SCA - Sudden Cardiac Arrest, FBAO - Foreign Body Airway Obstruction, CPR, Defibrillation






Name of the Faculty: Ms. Neha

Discipline : D. Pharmacy

Year : 1<sup>st</sup> YEAR

Subject : Human Anatomy and Physiology (HAP)

Lesson Plan Duration: December 2021.

### Lesson plan

Week	Theory		Practical	
	Lecture day	Topic headline	Practical day	
1st	1.	Haemopoiesis-composition of blood, characters of RBC, WBC, and platelets.	1.	Determination of WBC count of blood
	2.	Mechanism of blood clotting, blood groups		
	3.	Lymph, composition, function and formation		
	4.	Spleen and lymph nodes		
2nd	5.	Cardiovascular system-anatomy and physiology of heart	2.	Determination of RBC count of blood
	6.	Blood vessels and circulation		
	7.	Cardiac cycle and heart sound		
	8.	Basics ECG, blood pressure and its regulation		
3rd	9.	Respiratory system -anatomy	3.	Determination of differential count of blood
	10	Functions of respiratory system		



	11	Regulation of respiration		
	12	Mechanism of respiration		
5th	13	Respiratory volumes		Determination of Differential count of blood
	14	Respiratory capacities-definitions		

*Upan*

Neha