

Name of the Faculty: Ms. Neha

Discipline : D. Pharmacy

Year : 1st YEAR

Subject : Human Anatomy and Physiology (HAP)

Lesson Plan Duration: January 2022

Lesson plan

Week	Theory		Practical	
	Lecture Day	Topic headline	Practical day	
1st	1	Digestive system-GIT Anatomy And Physiology		
2nd	2.	Accessory Glands Anatomy And Functions	1.	To Determine of blood pressure after and before exertion
	3.	Physiology Of Digestion And Absorbtion		
	4.	Skeletal muscles- histology		
3rd	5.	Physiology of muscle contraction	2.	To record body temperature, respiratory rate, pulse/heart rate.
	6.	Disorder of skeletal muscle		
	7.	Nervous system- classification, cerebrum, cerebellum	3.	To study various systems and organs with help of chart and models a- Cardiovascular system b- Respiratory system
	8.	Mid brain, function of Hypothalamus.		
4th	9.	Function of medulla oblongata and basal ganglia		
	10.	Spinal cord structure		
	11.	Spinal cord reflexes		

Neha
2

UPM

	12.	Cranial nerves functions	4.	c- Digestive system d- Urinary system
5 th	13.	Functions of cranial nerves		
	14.	Anatomy and physiology of sympathetic nervous system		
	15.	Parasympathetic nervous system		
6 th	16.	ANS		

file 2

UPM

Lesson plan

Name of the Faculty: Mrs. Vijeta Dhote

Discipline : D. Pharmacy

Year : 1st YEAR

Subject : Pharmacognosy

Lesson Plan Duration: January 2022

Week	Theory		Practical	
	Lecture day	Topic headline	Practical day	Practical name
2 nd	1.	Chemical group of natural drug	1.	To study the gross anatomical studies (Transverse section) of the ajwain.
	2.	metabolites		
	3.	alkaloids		
3 rd	1.	Glycosides introduction	2.	To study the gross anatomical studies (Transverse section) of the datura.
	2.	Volatile oil		
	3.	Terpenoids		
4 th	1.	Tannins	3.	To study the gross anatomical studies (Transverse section) of the cinnamon.
	2.	Resins		
	3.	Fixed oil, wax and lipids		
5 th	1.	Carbohydrates and its derivatives		
	2.	Categories of crude drugs		
6 th	1.	Laxative drugs		

UPM

Vijeta

Lesson plan

Name of the Faculty: Promil Chauhan

Discipline: D. Pharmacy

Year: 1st Year

Subject: Pharmaceutics-I

Lesson Plan Duration: January 2022

Week	Theory		Practical	
	Lecture Day	Topic headline	Practical Day	Topic
1 st	1.	Sintered Glass filter (Construction, working, uses)	1	To Prepare and Submit 30 ml of castor oil emulsion.
	2.	Membrane filter (Construction, working, uses)		
	3.	Introduction to Drying Process and Application of Drying		
	4.	Fluidized Bed Dryer (Principle, Construction, working, uses and merits, demerits)		
2 nd	5.	Freeze Dryer (Principle, Construction, working, uses and merits, demerits)		
	6.	Extraction Processes: Infusion, Decoction and Maceration Process)		
	7.	Percolation and Digestion Process and Applications of Extraction Processes		
3 rd	8.	Introduction to Tablets (Definition, Advantages, Disadvantages of tablets)	2	To Prepare and Submit 5 gm of Dusting Powder.
	9.	Types of Tablets (Classification)		
	10.	Tablet Excipients (Diluents, Lubricating agent, binders, Glidants etc.)		
4 th	11.	Granulation method (wet granulation method, dry granulation and slugging process)	3	To Prepare and Submit 10 gm of Effervescent granules.
	12.	Tablet making machines		
	13.	Tablet defects (Chipping, picking, mottling, sticking etc.)		

UPM

Promil

Lesson plan

Name of the Faculty : Inderjeet Kaur

Discipline : D. Pharmacy

Year : 1st Year

Subject : Social Pharmacy

Lesson Plan Duration : January 2022

Week	Theory		Practical	
	Lecture Day	Topic headline	Practical Day	Topic
1 st	1.	Introduction to Microbiology and common microorganisms	1	Emergency treatment for all medical emergency cases viz. snake bite, dog bite, insecticide poisoning, fractures, burns, epilepsy etc.
	2.	Epidemiology: Introduction to epidemiology, and its applications		
	3.	Understanding of terms such as epidemic and pandemic		
2 nd	4.	Endemic and mode of transmission		
	5.	Outbreak, quarantine, isolation, incubation period, contact tracing, morbidity, mortality		
3 rd	6.	Causative agents, epidemiology and clinical presentations	2	Role of Pharmacist in Disaster Management.
	7.	Role of Pharmacists in educating the public in prevention of the following communicable diseases		
	8.	Respiratory infections – chickenpox		
4 th	9.	Measles, rubella and mumps	3	Marketed preparations of disinfectants, antiseptics, fumigating agents, antilarval agents, mosquito repellents, etc.
	10.	Influenza (including Avian-Flu, H1N1, SARS, MERS, COVID-19)		
5 th	11.	Diphtheria	4	Health Communication: Images, Power Point Slides, Short Films, etc. in regional language(s) for mass communication / education / Awareness on 5 different communicable diseases, their signs and symptoms, and prevention.

L.P.K

Inderjeet Kaur

Lesson plan

Name of the Faculty : Gurpreet kaur

Discipline : D. Pharmacy

Year : 1 st YEAR

Subject : Pharmaceutical chemistry

Lesson Plan Duration : january 2021

Week	Theory		Practical	
	Lecture day	Topic headlines	Practical day	Aim
3 rd	1	Introduction to nomenclature of organic chemical systems, heterocyclic compounds containing up to three rings.	1	To prepare and standardized 0.1 N KMnO ₄ solution by using standard solution of 0.1 N oxalic acid.
	2	Drugs acting on CNS- Anaesthetics: thiopental sodium, ketamine hydrochloride, propofol.		
	3	Sedative and hypnotics: Diazepam, alprazolam, Nitazepam, Phenobarbital.		
4 th	4	Antipsychotics: chlorpromazine hydrochloride, Haloperidol, risperidone,	2	To carry out the assay for the given sample of ferrous sulphate.
	5	sulpiride, olanzapine, quetiapine, lurasidone.		
	6	Anticonvulsants: phenytoin, carbamazepine, clonazepam,		
5 th	7	Valproic acid, gabapentin, topiramate, vigabatrin, lamotrigine	3	To carry out the assay for calcium gluconate by complexometric titration.
	8	Antidepressants: amitriptyline hydrochloride, imipramine hydrochloride, fluoxetine.		
6 th			4	To perform the assay of sodium chloride by modified Volhard's method.

Gurpreet Kaur

UPM