

Name of the Faculty: Mrs. Vijeta Dhote

Discipline : D. Pharmacy

Year : 1st YEAR

Subject : Pharmacognosy

Lesson Plan Duration: February 2022

Lesson plan

Week	Theory		Practical	
	Lecture day	Topic headline	Practical day	Practical name
1 st	1.	Laxative drugs	1.	To study the gross anatomical studies (Transverse section) of the coriander.
	2.	Cardiovascular drugs		
2 nd	1.	Cardio tonic-digitalis, arjuna.	2.	To study the gross anatomical studies (Transverse section) of the ashwagandha.
	2.	Carminatives-coriander, fennel, cardamom, ginger.		
	3.	GI regulator -clove, black pepper, and asafetida.		
3 rd	1.	Nutmeg and cinnamon.	3.	To study the gross anatomical studies (Transverse section) of the liquorices.
	2.	Astringents.		
4 th	1.	Drug acting on nervous system- hyocyamus, belladonna, ephedra.		
	2.	Opium, tea, coffee seeds, coca		
	3.	Anti hypertensive drugs- Rauwolfia		
5 th	1.	Anti tussive- vasaka and tolu balsam	4.	To study the gross anatomical studies (Transverse section) of the clove.




25-02-2022

Lesson plan

Name of the Faculty : Inderjeet Kaur
 Discipline : D. Pharmacy
 Year : 1st Year
 Subject : Social Pharmacy
 Lesson Plan Duration : February 2022

Week	Theory		Practical	
	Lecture Day	Topic headline	Practical Day	Topic
1 st	1.	Causative agents, epidemiology and clinical presentations and Role of Pharmacists in educating the public in prevention of the following communicable diseases:	1	Counselling children on junk foods, balanced diets – using Information, Education and Communication (IEC), counselling, etc.
	2.	Whooping cough		
	3.	Meningococcal meningitis		
2 nd	4.	Acute Respiratory infections		
	5.	Tuberculosis and Ebola		
3 rd	6.	Intestinal infections – poliomyelitis	2	Preparation of various charts on nutrition, sources of various nutrients from Locally available
	7.	Viral hepatitis and Cholera		
	8.	Acute diarrheal diseases and Typhoid		
4 th	9.	Amebiasis, Worm infestations and food poisoning		foods, calculation of caloric needs of different groups Chart of glycemic index of foods.
	10.	Arthropod-borne infections - dengue, malaria		
	11.	Filariasis and Chikungunya	3	Tobacco cessation, counselling, identifying various tobacco containing products through charts/pictures

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Lesson plan

Name of the Faculty: Promil Chauhan

Discipline: D. Pharmacy

Year: 1st Year

Subject: Pharmaceutics-I

Lesson Plan Duration: February 2022

Week	Theory		Practical	
	Lecture Day	Topic headline	Practical Day	Topic
1 st	1.	Evaluation Parameters of Tablets (Appearance, shape, content uniformity, weight variation Test etc)	1	To Prepare and Submit 50 ml of Normal Saline Injection (I.P)
	2.	Disintegration Test, Dissolution Test, Hardness test, Friability Test.		
2 nd	3.	Introduction of Capsules :- Advantages and their disadvantages and classification	2	To Prepare and Submit 5 ampoules of 10 ml of Dextrose Injection (I.P).
	4.	Hard Gelatin Capsules (Formulation and Method of Preparation)		
	5.	Soft Gelatin Capsules (Formulation and method of Preparation)		
3 rd	6.	Evaluation Parameters of Capsules (weight variation test, Disintegration test etc.) and Storage	3	To Prepare and Submit 20 ml of Calamine Liniment.
	7.	Liquid Oral Preparation :- Syrups, Elixir and Solution (Definition, Formulation and Container, labeling, storage)		
	8.	Emulsions (Definition, Advantages and classification of Emulsion and emulsifying agent)		
4 th	9.	Preparation of Emulsion (Dry gum method, wet gum method etc.) and stability of Emulsion.	4	To Prepare and submit 20 gm of Sodium alginate gel.
	10.	Suspensions (Definition, Classification and formulation of Suspension)		
	11.	Methods of Dispensing Suspensions, Dry Powder For reconstitutions		

Promil

UPM

Name of the Faculty: Ms. Neha

Discipline : D. Pharmacy

Year : 1st YEAR

Subject : Human Anatomy and Physiology (HAP)

Lesson Plan Duration: February 2022

Week	Theory		Practical	
	Lecture Day	Topic headline	Practical day	
1st	1.	Special sense organs- Eye- accessory structures, eye ball	1.	To study Reproductive system from charts and models
	2.	Mechanism of sight, accommodation, eye diseases		
	3.	Ear- parts of ear, mechanism of hearing.		
2nd	4.	Ear- mech.of equilibrium, Tongue- parts	2.	To study Nervous system from charts and models
	5.	Nose- olfaction, Skin- functions, structure		
	6.	Skin- secretions, regulation of temp.		
	7.	Skin- physiology of pain, pathways of pain		
3rd	8.	Urinary system- kidneys – structure and their functions		
	9.	Renal tubules structure, urine formation	3.	To study Various Functions Of EYE from charts and models
	10.	Micturition, urine composition, diseases of US		
4th	11.	Renin angiotensin system	4.	To study EAR from chart and models
	12.	Clearance tests- creatinine clearance		
	13.	Creat clearance		
5th	12.	Inulin clearance, urea clearance		

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Lesson plan

Name of the Faculty : Gurpreet kaur

Discipline : D. Pharmacy

Year : 1 st YEAR

Subject : Pharmaceutical chemistry

Lesson Plan Duration : Feb. 2021

Week	Theory		Practical	
	Lecture day	Topic headline	Practical day	Aim
1	1	Drug acting on ANS- Sympathomimetic agents; Nor-ephedrine, epinephrine, phenylephrine, Dopamine.	1	To perform the assay for sodium chloride by Modified volhard's method.
	2	Terbutaline, salbutamol, naphazoline, tetrazoline		
	3	Indirect acting agents; Hydroxy amphetamine, pseudoephedrine. Agents with mixed mechanism: Ephedrine, metaraminol.		
2	4	Adrenergic antagonists: Alpha Adrenergic blocker: tolazoline phenolamine, phenoxybenzamine, prazosin.	2	To prepare and submit benzoic acid from benzamide.
	5	Beta adrenergic blocker: Propranolol, Atenolol, carvedilol.		
	6	Cholinergic drugs and related agents: direct acting agents: Acetylcholine, Carbachol, pilocarpine.		
3	7	Cholinesterase inhibitors: Neostigmine, Edrophonium chloride, tacrine hydrochloride, pralidoxime Chloride, Echothiopate iodide.	3	To prepare and submit picric acid from phenol.
	8	Cholinergic blocking agents: Atropine sulphate, Ipratropium bromide.		
4	9	Synthetic cholinergic blocking agents: Tropicamide, cyclopentolate hydrochloride, clidinium bromide, dicyclomine hydrochloride.	4	To determine the melting point of compounds.
	10	Drugs acting on cardiovascular system Antiarrhythmic drugs: quinidine sulphate, procainamide hydrochloride, verapamil, phenytoin sodium.		
	11	Lidocaine hydrochloride, lorcaïnide hydrochloride, amiodarone and sotalol.		
5			5	To determine the boiling point of organic compounds.

Teacher's sign

Gurpreet

IPM