

Lesson plan

Name of the Faculty : Inderjeet Kaur

Discipline : D. Pharmacy

Year : 1st Year

Subject : Social Pharmacy

Lesson Plan Duration : March 2022

Week	Theory		Practical	
	Lecture Day	Topic headline	Practical Day	Topic
1 st	1	Nutrition and Health Basics of nutrition – Macronutrients and Micronutrients		
2 nd	2	Importance of water and fibres in diet		
	3	Balanced diet, Malnutrition, nutrition deficiency diseases and ill effects of junk foods		
	4	Calorific and nutritive values of various foods and fortification of food		
3 rd	5	Introduction to food safety and adulteration of foods	1	Water purification techniques, use of water testing kit, calculation of Content/percentage of KMnO ₄ , bleaching powder to be used for wells/tanks.
	6	Effects of artificial ripening		
4 th	7	Use of pesticides and genetically modified foods		
	8	Dietary supplements and nutraceuticals		
	9	Food supplements Indications, benefits and Drug- Food Interactions		
5 th	10	Surface infections – trachoma, Tetanus and leprosy		
	11	STDs and HIV/AIDS		

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Lesson plan

Name of the Faculty: Ms. Neha

Discipline : D. Pharmacy

Year : 1st YEAR

Subject : Human Anatomy and Physiology (HAP)

Lesson Plan Duration: March 2022

Week	Theory		Practical	
	Lecture Day	Topic headline	Practical day	
1st	1.	Endocrine system-introduction	1.	To study Endocrine system and Skin by using chart models
	2.	E.S- Pituitary gland		
	3.	E.S-Pituitary glands		
2nd	4.	Adrenal glands		
	5.	Adrenal glands	2.	To record force of air expelled using peak flow meter.
	6	Thyroid glands		
	7	Parathyroid glands		
3rd	8.	Pancreas, gonads	3.	To measure Height ,Weight and BMI.
	9.	Reproductive system-introduction, anatomy of male reproductive system		
	10.	Female reproductive system		

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4th	11.	Physiology of menstruation	4.	To record pulse oxygen (before and after exertion).
	12.	Menstrual cycle		
	13.	spermatogenesis		
	14	Oogenesis		
5th	15.	Oogenesis		
	16.	Pregnancy and parturition		

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Name of the Faculty: Mrs. Vijeta Barskar

Discipline : D. Pharmacy

Year : 1st YEAR

Subject : Pharmacognosy

Lesson Plan Duration: March 2022

LESSON PLAN

Week	Theory		Practical	
	Lecture day	Topic headline	Practical day	Practical name
1 st	1.	Anti-rheumatics -colchicum seed	1.	To study the gross anatomical studies (Transverse section) of the Clove.
	2.	Anti-tumor drugs - vinca, podopyllaum.		
2 nd	1.	Anti-diabetics and Diuretics -pterocarpus, gymnema and Gokharu, punarnava.	2.	To study the gross anatomical studies (Transverse section) of the Curcuma.
	2.	Anti-dysenteric -Ipecacuanha.		
	3.	Anti-septic and disinfectants -Bezoin, myrrh, neem, turmeric.		
3 rd	1.	Anti-malarial - Cinchona and Artemisia.	3.	To study the gross anatomical studies (Transverse section) of the Vasaka.
	2.	Oxytocic -Ergot.		
4 th	1.	Vitamins -cod liver oil and shark liver oil.	4.	To study the gross anatomical studies (Transverse section) of the Nux-vomica.
	2.	Enzymes -papaya, diastase, pancreatin; yeast.		
	3.	Pharmaceutical aids -kaolin, lanolin, beeswax, acacia and tragacanth.		
5 th	1.	Sodium alginate, Agar, Guar gum, Gelatin.	5.	To study the gross anatomical studies (Transverse section) of the Vinca.
	2.	Miscellaneous drugs .		

Vijeta

Vijeta
30-03-2022

Lesson plan

Name of the Faculty : Gurpreet kaur

Discipline : D. Pharmacy

Year : 1st YEAR

Subject : Pharmaceutical chemistry

Lesson Plan Duration : March 2021

Week	Theory		Practical	
	Lecture day	Topic headline	Practical day	Aim
1	1	Anti-Hypertensive agents-Propranolol, captopril, ramipril	1	To perform identification test and test for purity of aspirin.
	2	Methyldopate hydrochloride, clonidine hydrochloride, hydralazine hydrochloride, nifedipine.		
	3	Anti-Anginal Agents-Isosorbide Dinitrate.		
	4	Diuretics – Acetazolamide, frusemide, bumetanide		
2	5	Chlorthalidone, nenzthiazide, metolazone, Xipamide, spironolactone.	2	To perform identification test for caffeine.
	6	Hypoglycemic agents – insulin and its preparations		
	7	Metformin, glibenclamide, glimepiride,		
3	8	Pioglitazone, repaglinide,	3	To perform the iodometric titration for ascorbic acid.
	9	Gliptins , gliflozins		
4	10	Analgesic And Anti-Inflammatory Agents; Morphine analogues, Narcotic antagonists	4	To perform the identification test for paracetamol.
	11	Nonsteroidal Anti-Inflammatory Agents (NSAIDs)- Aspirin, Diclofenac, ibuprofen		
	12	Piroxicam, celecoxib, mefenamic acid, paracetamol, aceclofenac.		
5	13	Anti-Infective Agents • Antifungal agents: Amphotericin-B, Griseofulvin, miconazole		To perform identification test for
	14	Ketoconazole, itraconazole, fluconazole, nifedipine hydrochloride.		

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Agents: Morphine analogues, Narcotic antagonists

identification test for

Lesson plan

Name of the Faculty: Promil Chauhan

Discipline: D. Pharmacy

Year: 1st Year

Subject: Pharmaceutics-I

Lesson Plan Duration: March 2022

Week	Theory		Practical	
	Lecture Day	Topic headline	Practical Day	Topic
1 st	1.	Topical Preparation: - Ointment, (classification of Ointment bases, Method of Preparation.)	1	To prepare and submit 20 gm of cold cream.
	2.	Cream and pastes		
2 nd	3.	Gels, liniment and lotion	2	To prepare and submit 20 gm of vanishing cream.
	4.	Suppositories and Pessaries: - Introduction, Types and Suppository Bases and their Classification.		
	5.	Method of Preparation of Suppositories and pessaries (Rolling method, Hot process fusion method and cold compression method)		
3 rd	6.	Nasal preparation (Nasal drops and Nasal Sprays) and Ear drops	3	To prepare and submit 10 gm face Powder.
4 th	7.	Powders :- Introduction, Advantages, Disadvantages and classification of powder, Insufflations, Dusting powder and Effervescent granules	4	To prepare and submit 20 gm of tooth paste.
	8.	Sterile Formulations: - Injectables (Route of administration, Types of Parenteral preparation)		
	9.	Formulation and Evaluation of parenteral preparation,		
5 th	10.	Eye drops and eye ointment (characteristics, formulation and storage)	5	To Prepare and submit Orange Tincture I.P 1996.
	11.	Immunological Products: - Immunity, Types of Immunity, Vaccine and their manufacturing method. (BCG vaccine, cholera vaccine etc.)		

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