

LESSON PLAN

Name of Faculty : Mrs. Sherry
 Discipline : D. PHARMACY
 Semester/year : 1st year
 Subject : Pharmaceutics-I (THEORY & PRACTICAL)
 Lesson Plan Duration: January 2024
 Work Load per Week: (03 lectures per week + 01 Tutorial) & one practical per week

Week	Theory		Practical
	Lecture day	Topic (Including Assignment/Test)	Experiments (Including Sessional Exam)
1 st week of January	1	Formulation and Evaluation of parenteral preparation,	To Prepare and Submit 5 ampoules of Normal Saline Injection (I.P).
	2	Eye drops and eye ointment (characteristics, formulation and storage)	
	T	Immunological Products: -Immunity.	
	3	Types of Immunity	
2 nd week of January	1	Vaccine and their manufacturing method. (BCG vaccine, cholera vaccine etc.)	To Prepare and Submit Tooth Paste.
	2	Toxoids and their manufacturing methods	
	T	Definition and concept of Quality control	
	3	Concept of Quality Assurance	
3 rd week of January	1	current good manufacturing practice (cGMP)	To Prepare and Submit 5 ampoules of Dextrose Injection (I.P).
	2	Contd. current good manufacturing practice (cGMP)	
	T	concept of calibration and validation	
	3	Basic structure, layout, sections and activities of pharmaceutical manufacturing plants	
4 th week of January	1	Introduction to NDDS, Classification	To Prepare and Submit Vanishing Cream.
	2	Advantages and Disadvantages of NDDS	
	T	26th Jan Republic Day.	
	3	Microparticles and their applications	

5 th week of January	1	Transdermal drug delivery systems and their applications	Revision
	2	Noisome and their applications	

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Sherry

Monthly Lesson Plan			
Name of the faculty		Mrs. Manisha Sharma	
Discipline		Pharmacy	
Semester/year		Diploma 1st Year	
Subject		PHARMACEUTICAL CHEMISTRY	
Lesson plan Duration		JANUARY-2024	
Work Load/week (hrs)		Lecture-03; Tutorial -1, Practical-01/batch	
MONTH/Week	THEORY		Practical Practical Topic
	Lecture	TOPIC	
1st	1 st	Anti-Arrhythmic Drugs: Quinidine Sulphate, Procainamide Hydrochloride, Verapamil	To prepare and submit Benzoic acid from Benzamide
	2 nd	Phenytoin Sodium*, Lidocaine Hydrochloride, Lorcaïnide Hydrochloride, Amiodarone and Sotalol	
	Tutorial	Assignment	
	3 rd	Anti-Hypertensive Agents: Propranolol* Ramipril, Methyldopate	
2nd	1 st	Class Test	To prepare and submit Picric Acid from Phenol
	2 nd	Captopril, Clonidine Hydrochloride, Hydralazine Hydrochloride, Nifedipine	
	Tutorial	Revision	
	3 rd	Antianginal Agents:	
3rd	1 st	: Diuretics: classification	To determine the melting point of give sample
	2 nd	Acetazolamide, Frusemide*, Bumetanide	
	Tutorial	Revision	
	3 rd	Chlorthalidone, Benzthiazide, Metolazone, Xipamide, Spironolactone	
4th	1 st	Hypoglycemic Agents: Insulin and Its Preparations	To determine the boiling point of give sample
	3 rd	Metformin*, Glimepiride Pioglitazone, Repaglinide, Glibenclamide* Gliflozins, Gliptins	
4th	1 st	Analgesic And Anti-Inflammatory Agents: Morphine Analogues	

Manisha
Sharma

LESSON PLAN

Name of the Faculty : Inderjeet Kaur

Discipline : D. Pharmacy

Year : 1st YEAR

Subject : Pharmacognosy

Lesson Plan Duration : January 2024

WEEK	THEORY		PRACTICAL	
	LECTURE DAY	TOPIC HEADLINE	PRACTICAL DAY	TOPIC
1 st	1	Therapeutic applications of Pro-biotics	1	To perform the microscopy of Cinnamon
	2	Brief introduction of Pre-biotics		
	3	Therapeutic applications of Pre-biotics		
2 nd	TUTORIAL	REVISION	2	To perform the microscopy of Vasaka
	1	Brief introduction of Dietary fibres		
	2	Therapeutic applications of Dietary fibres		
	3	Brief introduction of Omega-3-fatty acids		
3 rd	TUTORIAL	REVISION	3	To perform the microscopy of Ginger
	1	Therapeutic applications of Omega-3-fatty acids		
	2	Brief introduction of Spirulina		
	3	Therapeutic applications of Spirulina		
4 th	TUTORIAL	CLASS TEST		
	1	Brief introduction of Carotenoids		
	2	Therapeutic applications of Carotenoids		
5 th	1	Brief introduction of Soya		
	2	Revision		

Inderjeet Kaur

LESSON PLAN

Name of the Faculty : Inderjeet Kaur
Discipline : D. Pharmacy
Year : 2nd YEAR
Subject : Social Pharmacy
Lesson Plan Duration : January 2024

WEEK	THEORY		PRACTICAL	
	LECTURE DAY	TOPIC HEADLINE	PRACTICAL DAY	TOPIC
1 st	1	Indications and benefits of these Supplements	1	To study Emergency treatment for Insecticide poisoning
	2	Drug-Food Interactions		
	3	Introduction to Microbiology and common microorganisms		
2 nd	TUTORIAL	REVISION	2	To study Role of Pharmacist in Disaster Management
	1	Epidemiology: Introduction to epidemiology and its applications		
	2	Understanding of terms such as Epidemic, Pandemic, Endemic, Mode of Transmission and Outbreak		
	3	Quarantine, Isolation and Incubation Period		
3 rd	TUTORIAL	REVISION	3	To study Marketed preparations of disinfectants, antiseptics, fumigating agents, antilarval agents, mosquito repellents, etc
	1	Contact Tracing, Morbidity and Mortality		
	2	Causative agents, Epidemiology and Clinical presentations		
	3	Respiratory infections – Chickenpox and Measles		
4 th	TUTORIAL	CLASS TEST	4	To study concept and objectives of Health Communication
	1	Rubella and Mumps		
5 th	2	Influenza (including Avian-Flu, H1N1, SARS, MERS, COVID-19)	5	To study 5 different communicable diseases, their signs and symptoms, and prevention
	1	Diphtheria and Whooping cough		

Inderjeet Kaur

Singh

Monthly Lesson Plan			
Name of the faculty		Mrs. Amisha Maheshwari	
Discipline		Pharmacy	
Semester/year		Diploma 1st Year	
Subject		HAP (Human Anatomy and Physiology)	
Lesson plan Duration		JAN -2024	
Work Load/week (hrs)		Lecture- 03; Tutorial -1, Practical- 01/batch	
MONTH/Week	THEORY		Practical Topic
	Lecture	TOPIC	
1st	1 st	Nervous system- Medulla Oblongata, Basal Ganglia	To study Reproductive System from chart models.
	2 nd	Nervous system- Spinal Cord Reflexes	
	Tutorial	Revision	
2nd	3 rd	Nervous system- Cranial nerves and their functions	To study Urinary System from chart models.
	1 st	Nervous system- Anatomy and Physiology of Sympathetic N.S	
	2 nd	Nervous system- Anatomy and Physiology of Parasympathetic N.S	
3rd	Tutorial	Revision	To study Nervous System from chart models
	3 rd	U-12 Sense organs- Anatomy and Physiology of EYE	
	1 st	Sense organs- Anatomy and Physiology of EYE	
4th	2 nd	Sense organs- Anatomy and Physiology of EAR	To study Urinary System from chart models.
	Tutorial	Revision	
	3 rd	Sense organs- Anatomy and Physiology of SKIN	
5th	1 st	Sense organs- Anatomy and Physiology of TONGUE AND NOSE	To study Urinary System from chart models.
	2 nd	U-13 Urinary system- Anatomy Of Urinary System (U.S)	
	Tutorial	Revision	
5th	3 rd	Urinary system- Physiology Of Urinary System (U.S)	To study Urinary System from chart models.
	1 st	Urinary system- Physiology Of Urine formation	
	2 nd	Urinary system- RAS system	
	Tutorial	Revision	

Amisha

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pMonthly LessonPlan

Name of the faculty	Mrs. Manisha Sharma
Semester/year	Diploma 2 nd Year
Subject	Biochemistry and clinical Pathology
Lesson plan Duration	JANUARY-2024
WorkLoad/week(hrs)	Lecture-03; Tutorial -1, Practical-01/batch

MONTH/Week	THEORY		Practical
	Lecture	TOPIC	Practical Topic
JAN/ 1st	1 st	Dietary intake of electrolytes	To determine blood sugar by glucometer
	2 nd	Dehydration, oral Rerehydration therapy	
	3 rd	Metabolism of Carbohydrates	
	Tutorial	ASSIGNMENT	
2nd	1 st	Metabolism of Carbohydrates: Glycolysis,	To determine serum cholestrol
	2 nd	TCA cycle	
	3 rd	glycogen metabolism	
	Tutorial	Revision	
3rd	1 st	Diseases related to abnormal metabolism of Carbohydrates	To determine serum creatinine
	2 nd	Metabolism of lipids: Lipolysis	
	3 rd	β -oxidation of Fatty acid	
	Tutorial	Revision	
	1 st	ketogenesis and ketolysis	
4th	2 nd	Diseases related to abnormal metabolism of lipids such as Ketoacidosis,	To estimate quantity of calcium in given sample of serum
	3 rd	Electrolyte composition of the body fluids	
	Tutorial	Revision	
5th.	1 st	Fatty liver, Hypercholesterolemia	Preparation of phosphate buffer
	2 nd	Metabolism of Amino acids (Proteins	
	3 rd	REVISION	

Manisha Sharma