

LESSON PLAN

Name of Faculty : Mr Narendra (THEORY & PRACTICAL)
 Discipline : PHARMACY
 Semester/year : 1st year
 Subject : Pharmaceutics I
 Lesson Plan Duration: 04 weeks (Dec 2020)
 Work Load per Week: 03 lectures per week; one practical per week

Week	Theory		Practical
	Lecture day	Topic (Including Assignment/Test)	Experiments (Including Sessional Exam)
1 st	1	Introduction of different dosage forms	preparation of aromatic waters
	2	Their classification with examples-their relative applications	
	3	Familiarization with new drug delivery systems	
2 nd	1	. Introduction to Pharmacopoeias with special reference to the Indian Pharmacopoeia	Preparation of aromatic water
	2	Metrology: Systems of weights and measures	
	3	Calculations including conversion from one to another system,	
3 rd	1	Percentage calculations	Preparation of solutions
	2	adjustments of products	
	3	Use of alligation method in calculations	
4 th	1	Isotonic solutions	Preparation of aromatic spirits
	2	. Packing of Pharmaceuticals: Desirable features of a containers	
	3	types of containers	

LESSON PLAN

Name of Faculty : Mrs Gurpreet kaur (THEORY
&PRACTICAL) Discipline : PHARMACY
Semester/year : 2ndyear
Subject : PharmaceuticalChemistry-1
Lesson PlanDuration: 04 weeks (Dec 2020)
Work Load perWeek: 03 lectures per week; one practical perweek

Week	Theory		Practical
	Lecture day	Topic (Including Assignment/Test)	
1 st	1	Introduction of acid, boric acid, HCl	To understand working of analytical balance
	2	Introduction of base, Ammonium hydroxide	
	3	Calcium hydroxide, sodium hydroxide	
2 nd	1	Buffer introduction	To perform limit test for chloride
	2	Official buffers	
	3	Acidifying agents introduction, Dil. HCl	
3 rd	1	Protective and adsorbents	To perform limit test for sulphate
	2	Antacid introduction, sodium biocarbonate	
	3	Aluminium hydroxide gel,aluminium phosphate	
4 th	1	Calcium carbonate, magnesium carbonate	To perform limit test for iron
	2	Magnesium trisilicate, magnesium oxide	
	3	Combination of antacid preparation	

LESSON PLAN

Name of Faculty : Mrs Esha Vatsa (THEORY & PRACTICAL)
Discipline : PHARMACY
Semester/year : 1st year
Subject : Pharmacognosy
Lesson Plan Duration: 04 weeks (Dec 2020)
Work Load per Week: 03 lectures per week; one practical per week

Week	Theory		Practical
	Lecture day	Topic (Including Assignment/Test)	Experiments (Including Sessional Exam)
1 st	1	Definition & history of pharmacognosy	To study compound microscope
	2	Scope of pharmacognosy	
	3	Indigenous system of medicine	
2 nd	1	Classification of drugs of natural origin	Morphological character of Senna, Digitalis
	2continued	
	3	..continued	
3 rd	1	Adulteration	Morphological character of cinnamon
	2	Drug evaluation	
	3	Pharmacopoeial standard	
4 th	1	...continued	Morphological character of coriander, Fennel
	2	Occurrence & isolation of alkaloid	
	3	Terpenoids	

LESSON PLAN

Name of Faculty : Dr. Vipul Kashyap (THEORY & PRACTICAL)

Discipline : PHARMACY

Semester/year : 1st year

Subject : Biochemistry & Clinical Pathology

Lesson Plan Duration: 04 weeks (Dec 2020)

Work Load per Week: 02 lectures per week; one practical per week

Week	Theory		Practical
	Lecture day	Topic (Including Assignment/Test)	Experiments (Including Sessional Exam)
1 st	1	Introduction of biochemistry	Introduction, instruments & chemicals used
	2	Scope of biochemistry	
2 nd	1	Introduction of proteins & classification	Identification tests for carbohydrates
	2	Structure of protein	
3 rd	1	Polypeptides	Identification tests for carbohydrates
	2	Introduction to amino acids, classification	
4 th	1	Qualitative tests of protein & amino acids	Identification tests for proteins
	2	Biological value of proteins & amino acids	

LESSON PLAN

Name of Faculty : Ms . Raveena (THEORY & PRACTICAL)
 Discipline : PHARMACY
 Semester/year : 1st year
 Subject : Human anatomy & physiology
 Lesson Plan Duration: 04 weeks (Dec 2020)
 Work Load per Week: 03 lectures per week; one practical per week

Week	Theory		Practical
	Lecture day	Topic (Including Assignment/Test)	
1 st	1	Introduction	Study about simple microscope
	2	Scope of anatomy & physiology	
	3	Terms used in anatomy	
2 nd	1	Study about cell	Study about compound microscope
	2	Function of cell component	
	3	Mitochondria & microsomes	
3 rd	1continued	Examine radial pulse
	2	Elementary tissues: epithelial tissue	
	3	Muscular tissue	
4 th	1	Connective tissue	Examine blood pressure
	2	Nervous tissue.....	
	3	Structure of skeleton	

LESSON PLAN

Name of Faculty : Mrs.Surbhi (THEORY)
Discipline : PHARMACY
Semester/year : 2nd year
Subject : Health education & community pharmacy
Lesson Plan Duration: 04 weeks (Dec 2020)
Work Load per Week: 02 lectures per week(Theory)

Week	Theory	
	Lecture day	Topic (Including Assignment/Test)
1 st	1	Concept of health; introduction
	2	Definition of physical and mental health
2 nd	1	Social health, spiritual health, determinants of health
	2	Indicators of health, concepts of diseases and natural history of diseases
3 rd	1	The diseases agents and concept of prevention of diseases
	2	Nutrition and health- introduction
4 th	1	Classification of food requirements
	2	Disease induced due to deficiency of proteins

LESSON PLAN

Name of Faculty : Mrs. Shilpi Kashyap (THEORY & PRACTICAL)
 Discipline : PHARMACY
 Semester/year : 2nd year
 Subject : Pharmaceutics II
 Lesson Plan Duration: 04 weeks (Dec 2020)
 Work Load per Week: 03 lectures per week; one practical per week

Week	Theory		Practical
	Lecture day	Topic (Including Assignment/Test)	
1 st	1	Reading & understanding of prescription	Dispensing of aromatic waters
	2	Latin terms commonly used	
	3	Modern methods of prescribing	
2 nd	1	Adoption of metric system	Dispensing of mixtures.
	2	Calculation involved in dispensing	
	3	Study of various types of incompatibility	
3 rd	1	Detailed study of physical incompatibility	Dispensing of emulsions
	2	Study of chemical & therapeutic incompatibility	
	3	Study of Posology – dose & dosage of drugs	
4 th	1	Factors influencing dose	Dispensing of emulsions
	2	Calculation of dosage on the basis of age, sex & surface area	
	3	Veterinary doses	
	2	special precautions in handling	

LESSON PLAN

Name of Faculty : Mrs . Gurpreet kaur (THEORY & PRACTICAL)
 Discipline : PHARMACY
 Semester/year : 2nd year
 Subject : Pharmaceutical Chemistry-II
 Lesson Plan Duration: 04 weeks (Dec 2020)
 Work Load per Week: 04 lectures per week; one practical per week

Week	Theory		Practical
	Lecture day	Topic (Including Assignment/Test)	
1 st	1	Introduction	Identification test for barbiturates
	2	Nomenclature of organic compound	
	3	Nomenclature of heterocyclic compound	
	4	Nomenclature of heterocyclic compound upto 3 rings	
2 nd	1	Antiseptic and disinfectants introduction, Proflavine, benzalkonium chloride	Identification test for sulphonamide
	2	Cetrimide, chloro cresol	
	3	Chloroxylylene, formaldehyde solution	
	4	Hexachlorophene, liquefied phenol, nitro furantoin	
3 rd	1	Sulphonamide- sulfadiazine, sulfaguanidine	Identification test for phenothiazine
	2	Phthalyl sulfathiazole, succinyl sulfathiazole	
	3	Sulfadimethoxine, sulphamethoxy pyridazine	
	4	Sulfamethoxazole, co-trimoxazole, sulphacetamide	
4 th	1	Antileprotic- clofazimine, thiambutosine	Identification test for antibiotic
	2	Dapsone, solapsone	
	3	Antitubercular drug-intoduction, isoniazid	
	4	PAS, streptomycin	

LESSON PLAN

Name of Faculty : Ms. Raveena (THEORY & PRACTICAL)
 Discipline : PHARMACY
 Semester/year : 2nd year
 Subject : Pharmacology and Toxicology
 Lesson Plan Duration: 04 weeks (Dec 2020)
 Work Load per Week: 03 lectures per week; one practical per week

Week	Theory		Practical
	Lecture day	Topic (Including Assignment/Test)	Experiments (Including Sessional Exam)
1 st	1	Intro, Scope of Pharmacology and Toxicology	Intro, Overall view and Apparatus
	2	Routes of Administration	
	3 Continued	
2 nd	1	Advantages and Disadvantages of each	Effect of K ⁺ , Ca ⁺⁺ on frog heart
	2	ADME of Drugs- Meaning	
	3	Absorption of Drugs	
3 rd	1	Distribution of drugs	Effect of Adrenaline on frog heart
	2	Metabolism of drugs	
	3	Excretion of drugs	
4 th	1Factors affecting	Revision
	2	Mechanisms of drugs action	
	3 Continued	
	2	Antiseptic drugs	
	3	Disinfectants	

LESSON PLAN

Name of Faculty : Mrs. Shipra Gautam
(THEORY) Discipline : PHARMACY
Semester/year : 2nd year
Subject : Pharmaceutical Jurisprudence
Lesson Plan Duration: 04 weeks (Dec 2020)
Work Load per Week: 02 lectures per week

Week	Theory	
	Lecture day	Topic (Including Assignment/Test)
1 st	1	Introduction, origin of Pharmaceutical legislation in India
	2	Scope and Objectives of Pharmaceutical Jurisprudence
2 nd	1	Pharmacy as related to Health care System
	2	Principles and importance of Professional Ethics
3 rd	1	Code of Pharmaceutical Ethics, Pharmacy Oath.
	2	Pharmacy Act 1948- Introduction and Objectives
4 th	1	Education Regulation-1991- Meaning and Objectives
	2	ER-1991- Rules framed under it.....

LESSON PLAN

Name of Faculty : Dr Ujwal Nautiyal (THEORY)

Discipline : PHARMACY

Semester/year : 2nd year

Subject : DSBM

Lesson Plan Duration: 04 weeks (Dec 2020)

Work Load per Week: 03 lectures per week

Week	Theory	
	Lecture day	Topic (Including Assignment/Test)
1 st	1	Introduction
	2	Trade-Meaning, Importance
	3	Commerce- Meaning, Importance
2 nd	1	Functions & divisions of Commerce
	2	Elements of Economics
	3	Elements of Management
3 rd	1	Forms of business organization
	2	Proprietor, Joint Hindu Business Family
	3	Partnership
4 th	1	Joint Stock Company
	2	Co-operative Society
	3	Channels of Distribution, Wholesaler
5 th	1	Retailers, Types
	2	Retail Departmental store
	3	Multiple Shop System, Mail order

LESSON PLAN

Name of Faculty : Dr. Ramandeep Singh (THEORY & PRACTICAL)
 Discipline : PHARMACY
 Semester/year : 2nd year
 Subject : Hospital & Clinical Pharmacy
 Lesson Plan Duration: 04 weeks (Dec 2020)
 Work Load per Week: 03 lectures per week; one practical per week

Week	Theory		Practical
	Lecture day	Topic (Including Assignment/Test)	Experiments (Including Sessional Exam)
1 st	1	Hospitals, Def, Functions and Classifications	Introduction, Overall view and Instruments used
	2	Organisation and Management of Health Delivery System	
	3	Hospital Pharmacy- Definition and Services	
2 nd	1	Functions and Objectives	Various methods of Calculating Iso-tonicity for Glucose and NS solu.
	2	Location , Layout and Flow chart	
	3	Materials and Men	
3 rd	1	Personnel and Facilities required	Preparation of Water for Injection
	2	Abilities requirements of Pharmacist	
	3	Drug Distribution- In and Out Patients	
4 th	1	Out patient services.....	Preparation of Isotonic Dextrose
	2	Out Patient services	
	3	In-patient services- unit dose system	