

## Lesson plan

**Name of the Faculty:** Shilpi

**Discipline:** D. Pharmacy

**Year:** 2<sup>nd</sup> Year

**Subject:** Pharmaceutics-II

**Lesson Plan Duration:** March 2022

Week	Theory		Practical	
	Lecture Day	Topic headline	Practical Day	Topic
1 <sup>st</sup>	1	Calculations involved in dispensing	1	Ointments,
	2	Revision of Incompatibilities in prescriptions-		
	3	Posology- Dose and dosage of drugs, factors influencing dose		
2 <sup>nd</sup>	1	Syrups Mouth washes Throat-paints Elixirs	2	suppositories
	2	Douches Ear Drops Nasal drops		
	3	Sprays liniments lotions.		
3 <sup>rd</sup>	1	Flocculated /non-flocculated suspension system	3	powders
	2	Trituration fusion chemical reaction Emulsification		
4 <sup>th</sup>	1	Differences between ointments and pastes.All differences	4	incompatible prescriptions
	2	Facial cosmetics, Deodorants. Antiperspirants, shampoo, Hair dressings and Hair removers		
	3	Use of suppositories of drug absorption		
	4	Particulate matter monitoring- Faculty seal packaging		
5 <sup>th</sup>	1	Formulation: additives, special precautions in handling and storage of ophthalmic products.		

*Shilpi*

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Name of Faculty : Dr. Ujjwal Nautiyal  
 (THEORY) Discipline : PHARMACY  
 Semester/year : 2<sup>nd</sup> year  
 Subject : DSBM  
 MONTH : MARCH 22

1st	1	Trial balance- Meaning and Importance
	2	Methods of preparing Trail Balance
	3	Different kinds of accounts
2nd	1	Cash Book- Meaning and Importance
	2	Types of Cash books
	3	Entries in different types of cash books
	4	General Ledger
3rd	1	Ledger- Posting and Balancing
	2	Profit and Loss Account.
	3	Profit and Loss Account.
4th	1	Balance Sheet
5th	1	Assets and liabilities Cash Book- Meaning and Importance
2nd	2	Assets and liabilities

3rd		Ledger- Posting and Balancing
5th		Assets and liabilities
		Assets and liabilities

*Ujjwal*

## Lesson plan

Name of the Faculty : Inderjeet Kaur

Discipline : D. Pharmacy

Year : 2nd YEAR

Subject : Hospital Pharmacy and Clinical Pharmacy

Lesson Plan Duration : March 2022

Week	Theory		Practical	
	Lecture Day	Topic headline	Practical Day	Topic
1 <sup>st</sup>	1.	Drug Interactions: Defination and Introduction	1	Testing of dextrose as raw material used in preparation of transfusion fluid
	2.	Mechanism of Drug Interaction, Drug-Drug interaction with reference to analgesics, diuretics,		
2 <sup>nd</sup>	3.	Cardiovascular drugs and Gastro-intestinal agents		
	4.	Vitamins and Hypoglycemic agents		
	5.	Drug-food interactions	2	Testing of dextrose as raw water contents by Karl Fisher apparatus
3 <sup>rd</sup>	6.	Adverse Drug Reactions: Defination and significance	3	Testing of Sodium chloride as raw material used in preparation of transfusion fluids
4 <sup>th</sup>	7.	Drug-Induced Diseases and Teratogenicity		
	8.	Drug in Clinical Toxicity	4	Estimation of potassium in a given sample of Sodium chloride as raw material used in preparation of transfusion fluid
	9.	Introduction, general treatment of poisoning, systemic antidotes, Treatment of insecticide poisoning, heavy metal poison.		
5 <sup>th</sup>	11.			
	12.	Narcotic drugs, Barbiturate, Organophosphorus poisons		

*IJK*

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## Lesson plan

Name of the Faculty: Ms. Neha

Discipline : D. Pharmacy

Year : 2<sup>ND</sup> YEAR

Subject : JURISPRUDENCE

Lesson Plan Duration: March 2022

Week	Lecture day	Topic headline- Theory
1st	1.	<b>REVISION LECTURES</b> Drug inspector
	2.	Drug inspector
	3.	Medical termination act
2nd	4.	Medical termination act
	5.	Narcotic drugs- introduction
3rd	6.	Narcotic drugs-offences and penalties
	7.	License requirement in retail drug sale
	8.	Retail sale
	9.	Poison act- introduction
4 <sup>th</sup>	10.	Import, possession, under poison act
	11.	sale and issue warrants -poison act
5 <sup>th</sup>	12.	Bulk drugs- introduction
	13.	Bulk drugs- sale price fixation by government
	14.	Bulk drugs

*Ugum*

*Fish*

## Lesson plan

Name of the Faculty: Kanika Sharma

Discipline: D. Pharmacy

Year: 2<sup>nd</sup> Year

Subject: Pharmacology and Toxicology

Lesson Plan Duration: March 2022

Week	Theory		Practical	
	Lecture Day	Topic headline	Practical Day	Topic
1 <sup>st</sup>	1	Drugs Acting on the Kidney Definition, classification, pharmacological actions, dose, indications, and contraindications of Diuretics	17 <sup>th</sup>	To study different types of bioassays (biological standardization)
	2	Anti-Diuretics and revision		
	3	Revision		
2 <sup>nd</sup>	1	Hormones and Hormone Antagonists Physiological and pathological role and clinical uses of hormones	18 <sup>th</sup>	To study the antihistaminic effect of drug on guinea pig.
	2	Thyroid hormones and Anti-thyroid drugs		
	3	Calcitonin Parathormone,		
	4	Vitamin D ,Insulin		
3 <sup>rd</sup>	1	Oral hypoglycemic agents	19 <sup>th</sup>	To study the action of strychnine on frog.
	2	Estrogen Progesterone Oxytocin Corticosteroids		
4 <sup>th</sup>	1	Revision	20 <sup>th</sup>	To study the effect of digitalis on frog heart.
	2	Autacoids introduction		
	3	Physiological role of Histamine, 5 HT and Prostaglandins		
	4	Revision	21 <sup>st</sup>	To study the anti convulsive or antiepileptic activity of drug using maximum electroconvulsive shock seizure (M.E.S) and chemical induce convulsion method
			22 <sup>nd</sup>	To study the pyrogen test of given sample.
			23 <sup>rd</sup>	To study antihistaminic effect of diphenhydramine on guinea pig
5 <sup>th</sup>	1	Chemotherapeutic Agents: Introduction, basic principles of chemotherapy of infections Sulphonamides	24 <sup>th</sup>	To study the effect of psychotropic drugs on condition avoidance response.
	2	Penicillin streptomycin, tetracyclines, chloramphenicol, chemotherapy of cancer	25 <sup>th</sup>	To study the current status of bioassay in different pharmacopoeia

K. Sharma

*Kanika*

### Lesson plan

**Name of the Faculty :** Gurpreet kaur

**Discipline :** D. Pharmacy

**Year :** 2<sup>nd</sup> YEAR

**Subject :** Pharmaceutical chemistry-II

**Lesson Plan Duration :** March 2021

Week	Theory		Practical	
	Lecture day	Topic headline	Practical day	Aim
1	1	Vitamins	1	To perform identification test for phenothiazine drug(Promethazine HCl).
	2	Anticonvulsants		
2	3	Anticonvulsants	2	To perform identification test for an antibiotic (Ampicillin).
	4	Diagnostic agents- Iopanoic acid, propyl iodine,		
	5	Sulphobromophthalein, Sodium indigotindisulfonate, Indigo carmine,		
3	6	Evans blue, Congo red, Fluorescein.	3	To perform identification test for Amylobarbitone.
	7	Steroidal drugs- Betamethasone, Cortisone		
	8	Hydrocortisone Prednisolone, progesterone		
4	9	Testosterone, oestradiol, Nandrolone.	4	To perform identification test for an antibiotic Tetracycline.
	10	Anti-Neoplastic agents- Actinomycin, Azathioprine		
	11	Busulphan, Chlorambucil, Cisplatin		
	12	Cyclophosphamide, Daunorubicin hydrochloride, Fluorouracil		
5	13	Mercaptopurine, Methotrexate, Mytomycin		
	14	Local anaesthetics		
	15	Analgesics and antipyretics.		


