Name of the Faculty	**Ms. Shashi Upasna**
Discipline	**D. Pharmacy**
Year	**Ist year**
Subject	**Pharmaceutics –I (Theory/Tutorial and Practical)**
Lesson Plan Duration	**October 2023**
Work Load per Week	**(03 Lectures+01 Tutorial and one Practical)**

Work load (Lecture/practical) per week (in hrs):

Week	**Day**	**Theory/ Tutorial**	**Practical (Including Sessional Exams)**	
	Lecture Day	Topic/test	Practical day	Topic
1st	1	Packaging materials: Types, selection criteria	1	To prepare and dispense Chloroform water.
	2	Advantages and disadvantages glass, plastic as packaging materials		
	TT	Revision		
2nd	1	Advantages and disadvantages metal as packaging materials	2	To study the official pharmacopeias, formularies with their handling and official references.
	2	Advantages and disadvantages Rubber as packaging materials		
	3	Pharmaceutical Aids		
	TT	Revision		
3rd	1	Organoleptic (colouring, flavouring and sweetening) agents	3	To prepare, pack and submit ORS-A IP96.
	2	Preservatives		
	3	Types of preservatives		
	TT	Seminar		
4th	1	Uses of preservatives	4	To prepare and submit simple ointment base
	2	Definition of Unit operations		
	3	Objectives of unit operations		
	TT	Revision		
5th	1	Principles of unit operations		

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Name of the Faculty	**Mr. Gurdeep**
Discipline	**D. Pharmacy**
Year	**Ist year**
Subject	**Pharmaceutical Chemistry –I (Theory/Tutorial and Practical)**
Lesson Plan Duration	**October-2023**
Work Load per Week	**(03 Lectures+01 Tutorial and one Practical)**

Work load (Lecture/practical) per week (in hrs):

Week	Day	Theory/ Tutorial	Practical (Including Sessional Exams)	
	Lecture Day	Topic/test	Practical day	Topic
1st	1	Source and effect of impurities in pharmacopoeial substances	1	To perform the limit test for Iron
	2	Importance of limit lest		
	TT	Revision		
2nd	1	Principle and procedures of limit tests for chlorides, sulphates	2	To perform the limit test for Heavy metals
	2	Principle and procedures of limit tests for iron, heavy metals and arsenic		
	3	Revision		
	TT	Test		
3rd	1	Volumetric analysis: Introduction	3	To perform the identification tests for Anions and Cations as per IP
	2	Fundamentals of Volumetric analysis		
	3	Acid-base titration		
	TT	Revision		
4th	1	Non-aqueous titration	4	To prepare and standardize sodium hydroxide solution
	2	Precipitated titration		
	3	Complexometric titration		
	TT	Test		
5th	1	Redox titration		
	TT	Revision		

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Name of the Faculty	**Ms. Neha Minhas**
Discipline	**D. Pharmacy**
Year	**Ist year**
Subject	**Pharmacognosy(Theory/Tutorial and Practical)**
Lesson Plan Duration	**October-2023**
Work Load per Week	**(03 Lectures+01 Tutorial and one Practical)**

Work load (Lecture/practical) per week (in hrs):

Week	Day	Theory/ Tutorial	Practical (Including Sessional Exams)	
	Lecture Day	Topic/test	Practical day	Topic
1st	1	**Quality control of crude drugs:** Different methods of adulteration of crude drugs	1	To perform morphological identification of corriander, fennel
	2	Evaluation of crude drugs		
	3	Alkaloids		
	TT	Revision		
2nd	1	Terpenoids	2	To perform morphological identification of cardamom, ginger
	2	Glycosides		
	3	Volatile oils		
	TT	Test		
3rd	1	Tannins	3	To perform morphological identification of nutmeg, blackpepper
	2	Resins		
	3	Revision		
	TT	Test		
4th	1	**Lexatives:** Aloe, castor oil,	4	To perform morphological identification of cinnamon and clove
	2	Ispaghula, senna		
	TT	Revision		
5th	TT	Test		

Name of the Faculty	**Mr. Aman Kumar**
Discipline	**D. Pharmacy**
Year	**Ist year**
Subject	**Human Anatomy & physiology (Theory/Tutorial and Practical)**
Lesson Plan Duration	**October-2023**
Work Load per Week	**(03 Lectures+01 Tutorial and one Practical)**

Work load (Lecture/practical) per week (in hrs):

Week	Day	Theory/ Tutorial	Practical (Including Sessional Exams)	
	Lecture Day	Topic/test	Practical day	Topic
1st	1	Mechanism of blood clotting	1	Study of Urinary system with the help of chart and model or specimen.
	2	Importance of blood groups		
	3	**Lymphatic system:** Introduction		
	TT	Revision		
2nd	1	Composition of Lymph and lymphatic system	2	Study of Endocrine system with the help of chart and model or specimen.
	2	Function of Lymph and lymphatic system		
	3	Formation of Lymph and lymphatic system		
	TT	Test		
3rd	1	**Cardiovascular system:** Introduction	3	Study of Reproductive system with the help of chart and model or specimen.
	2	Anatomy & physiology of heart		
	3	Blood vessels & circulation (pulmonary, coronary & systemic circulation)		
	TT	Revision		
4th	1	Cardiac cycle & heart sounds	4	Study of Nervous System with the help of chart and model or specimen
	2	Basics of ECG		
	TT	Revision		
5th	TT	Test		

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Name of the Faculty	**Ms. Neha Minhas**
Discipline	**D. Pharmacy**
Year	**Ist year**
Subject	**Social Pharmacy (Theory/Tutorial and Practical)**
Lesson Plan Duration	**October-2023**
Work Load per Week	**(03 Lectures+01 Tutorial and one Practical)**

Work load (Lecture/practical) per week (in hrs):

Week	Day	Theory/ Tutorial	Practical (Including Sessional Exams)	
	Lecture Day	Topic/test	Practical day	Topic
1st	1	Public & private health system in India	1	To study about reproductive andchild health in regards to nutritional aspects and relevant national health programmes
	2	National health mission		
	TT	Revision		
2nd	1	Introduction to millennium development goals	2	To study family planning devices
	2	Sustainable development goals		
	3	FIP development goals		
	TT	Test		
3rd	1	**Preventive healthcare-role of pharmacists in the following:** Demography and family planning	3	To perform microscopical observation of different microbes using readymade slides
	2	Mother and child health		
	3	Importance of breast feeding		
	TT	Revision		
4th	1	Ill effects of infant milk substitutes and bottle feeding,	4	To study oral health and hygiene
	2	Overview of vaccines		
	3	Types of immunity & immunization		
	TT	Test		
5th	TT	Revision		

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