

Monthly Lesson Plan

Name of the faculty	Mrs. Manisha Sharma
Discipline	Pharmacy
Semester/year	Diploma 1st Year
Subject	PHARMACEUTICAL CHEMISTRY
Lesson plan Duration	OCT -2023
Work Load/week (hrs)	Lecture- 03; Tutorial -1, Practical- 01/batch

MONTH/Week	THEORY		Practical Practical Topic
	Lecture	TOPIC	
2nd	1 st	Haematinics-ferrous sulphate, ferrous fumarate	To perform limit test for heavy metals in given sample
	2 nd	Carbonyl iron, ferric ammonium citrate, ferrous ascorbate	
	Tutorial	Revision	
	3 rd	Gastro-intestinal Agents: Antacids :Aluminium hydroxide gel, Magnesium hydroxide	
3rd	1 st	Magaldrate, Sodium bicarbonate, Calcium Carbonate	To perform identification test for Anionic radicals
	2 nd	Acidifying agents, Adsorbents, Protectives, Cathartics	
	Tutorial	Revision	
	3 rd	Cathartics, topical agents- Silver Nitrate, Ionic Silver,	
4th	1 st	Chlorhexidine Gluconate, Hydrogen peroxide	To perform identification test for Cationic radicals
	2 nd	Boric acid, Bleaching powder, Potassium permanganate	
	Tutorial	Dental products: Calcium carbonate, Sodium fluoride	
	3 rd	Denture cleaners	
5th	2 nd	Denture adhesives Mouth washes	To prepare and standardize 1N Sodium hydroxide
	Tutorial	Revision	
6th	1 st	medicinal gases	

Manisha Gupta

LESSON PLAN

Name of Faculty : Mrs. Sherry
 Discipline : D. PHARMACY
 Semester/year : 1st year *
 Subject : Pharmaceutics-I (THEORY & PRACTICAL)
 Lesson Plan Duration: October 2023
 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 October	1	MAHATMA GANDHI JAYANTI	
	2	Mixing: Introduction and Principle	
	T	Construction, working, uses and Merits and demerits of Double Cone blender, Turbine Mixer	
	3	Principle, Construction, working, uses and Merits and demerits of Triple Roller Mill and silver son Homogenizer	
2 nd week of October	1	Filtration: Introduction and Theory of filtration.	To Prepare and Submit Liquid Paraffin Emulsion.
	2	Membrane and sintered glass filter	
	T	Introduction to Drying Process . Principle, Construction, working, uses and merits, demerits of Freeze Dryer.	
	3	Principle, Construction, working, uses and merits, demerits of fluidized bed dryer.	
3 rd week of October	1	Extraction Processes: Infusion, Decoction	To Prepare and Submit Orange Tincture.
	2	Maceration Process and Percolation process and their applications.	
	T	Introduction to Tablets (Definition, Advantages, Disadvantages of tablets)	
	3	Types of Tablets (Classification)	
4 th week of October	1	Tablet Excipients (Diluents, Lubricating agent, binders, Glidants etc.)	To Prepare and Submit Acetylsalicylic acid Tablets by wet granulation method
	2	DUSSHERA	
	T	Granulation method (wet, dry and direct compression granulation method)	
	3	Tablet making machines	

5 th week of October	1	Tablet defects (Chipping, picking, mottling, sticking etc.)	To Prepare and Submit Paracetamol Tablets.
	2	Evaluation Parameters of Tablets (Appearance, shape, content uniformity, weight variation Test Disintegration Test, Dissolution Test, Hardness test, Friability Test	

Sherry

Sulpi

LESSON PLAN

Name of the Faculty : Ms. Promil

Discipline : D. Pharmacy

Year : 1ST YEAR

Subject : Pharmacognosy

Lesson Plan Duration : October 2023

THEORY		PRACTICAL	
LECTURE DAY	TOPIC HEADLINE	PRACTICAL DAY	TOPIC
1	Anti-tumour -Vinca, Podophyllum	1	To perform the morphological study and identification of Neem and Tulsi
2	Antidiabetics- Pterocarpus, Gymnema		
TUTORIAL	Diuretics- Gokhru, Punarnava		
1	Anti-dysenteric- Ipecacuanha	2	To perform the morphological study and identification of Ginger and fennel
2	Antiseptics and Disinfectants- Benzoin, Myrrh, Neem, Turmeric		
3	Antimalarials- Cinchona, Artemisia		
TUTORIAL	CLASS TEST		
1	Oxytocic- Ergot	3	To perform the morphological study of Clove and Cinnamon
2	Vitamins- Cod liver oil, Shark liver oil		
3	Enzymes- Papaya, Diastase, Pancreatin, Yeast		
TUTORIAL	REVISION		
1	Pharmaceutical Aids- Kaolin, Lanolin, Beeswax, Acacia,	4	To perform the morphological study and identification of Fennel
2	Tragacanth, Sodium alginate, Agar, Guar gum, Gelatine		
3	Miscellaneous- Squill, Galls, Ashwagandha, Tulsi, Guggul		

LESSON PLAN

Name of the Faculty : Inderjeet Kaur

Discipline : D. Pharmacy

Year : 1ST YEAR

Subject : Social Pharmacy

Lesson Plan Duration : October 2023

WEEK	THEORY		PRACTICAL	
	LECTURE DAY	TOPIC HEADLINE	PRACTICAL DAY	TOPIC
	1	Demography and Family Planning	1	To study Various types of masks
	2	Mother and child health		
	3	Importance of breastfeeding		
	TUTORIAL	CLASS TEST		
	1	Ill effects of infant milk substitutes	2	To study PPE gear, wearing/using them, and disposal
	2	Ill effects of bottle feeding		
	3	Overview of Vaccines		
	TUTORIAL	REVISION		
	1	Types of Immunity and Immunization	3	To study PPE gear, wearing/using them, and disposal(Revision)
	2	Effect of Environment on Health		
	3	Water pollution		
	TUTORIAL	CLASS TEST		
	1	Importance of safe drinking water	4	To study Menstrual hygiene, products used
	2	Waterborne diseases		
	3	Air pollution and Noise pollution		

G. Kaur

Monthly Lesson Plan			
Name of the faculty		Mrs. Amisha Maheshwari	
Discipline		Pharmacy	
Semester/year		Diploma Ist Year	
Subject		HAP (Human Anatomy and Physiology)	
Lesson plan Duration		OCT -2023	
Work Load/week (hrs)		Lecture- 03; Tutorial -1, Practical- 01/batch	
MONTH/Week	THEORY		Practical
	Lecture	TOPIC	Practical Topic
1st	1 st	Haemopoietic system- Composition And Functions Of Blood	To determine Bleeding time and clotting time
	2 nd	Haemopoietic system- Process Of Haemopoiesis	
	Tutorial	Revision	
	3 rd	Haemopoietic system- RBC's and WBC's (it's characteristics and functions)	
2nd	1 st	Haemopoietic system- Platelets (it's characteristics and functions)	To determine RBC's count of blood
	2 nd	Haemopoietic system- Mechanism of blood clotting	
	Tutorial	Revision	
	3 rd	Haemopoietic system- Importance Of Blood Group	
3rd	1 st	U-6 Lymphatic system- lymph, lymphatic system (structure, fuctions and formation)	To determine WBC's count of blood
	2 nd	Lymphatic system- Structure Of Spleen and it's functions	
	Tutorial	Revision	
	3 rd	Lymphatic system- Structure And Fucntions Of Lymph Nodes	
4th	2 nd	U-7 Cardiovascular system- General Introduction, Anatomy of Heart	To determine differential count of blood
	Tutorial	ASSIGNMENT -1	
5th	1 st	Cardiovascular system- physiology of Heart	
	2 nd	Cardiovascular system- Blood Vessels And Circulations, Pulmonary Circulation	

Amisha

Swilpe