

Lesson Plan

Name of the Faculty : Jagmohan Singh

Discipline : Pharmacy

Semester : 1st Year

Subject : Pharmaceutics-1

Work Load(lecture/practical) per week (in hours): Lecture-03

Week	Theory		Practical	
	lecture day	Topic (including assignment/test)	Practical day	Topic
1st(Jan. 2nd week)	1st	Solvents used for extraction		
	2nd	Different Extraction Processes		
	3rd	Ayurvedic dosage forms		
2nd(Jan. 3rd week)	1st	Methods of heat transfers		
	2nd	Factors affecting evapoation		
	3rd	Desiccation, Fusion & calcination		
3rd(Jan. 4th week)	1st	Types of Distillation		
	2nd	Distillation under reduced pressure		
	3rd	Preparation of Purified water & water for injetion		
4th(Feb. 1st week)	1st	Types of Dryers.		
	2nd	Fluidized Bed Dryer		
	3rd	Vacuum Dryer & Freeze drying		
5th(Feb. 2nd week)	1st	Thermal resistance of micro-organisms		
	2nd	Method of Sterilization		
	3rd	Sterilization by radration		
6th(Feb. 3rd week)	1st	Chemical method of sterilization		
	2nd	Mechanical method of sterilization		
	3rd	Maintaning sterility through aseptic techniques		
7th (Feb. 4th week)	1st	Stelity Testing		
	2nd	Application of sterilization Processes		
	3rd	Essential Qualities of tablets		
8th (Mar. 1st week)	1st	Type of moulded tablets		
	2nd	Compressed tablets		
	3rd	Formulation of tablets		
9th(Mar. 2nd week)	1st	Preparstion of tablets		
	2nd	Tablets compression		
	3rd	Manufacturing Defects in tablets		
10th (Mar. 3rd week)	1st	Tablets Coatings		
	2nd	Enteric coating & microencapsulation		
	3rd	Evaluation of tablets		
11th(Mar. 4th week)	1st	Test of Tablets		
	2nd	Hard & soft gelatin capsules		

11th week)	3rd	Filling of hard capsules		
12th(Apr. 1st week)	1st	Difficulties in filling the capsules		
	2nd	Preparation of soft capsules		
	3rd	Special type of capsules		
13th(Apr. 2nd week)	1st	Evaluation of capsules		
	2nd	Test of capsules		
14th(Apr. 3rd week)	1st	Types of Immunity		
	2nd	Related Term of Immunity		
	3rd	Classification of Immunological preparation		
15th(Apr. 4th week)	1st	Method of preparation by using animal		
	2nd	Preparation containing anti-bodies		
	3rd	Test of Immunity		