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Lesson Plan

Name of the Faculty :	**Rakesh Kumar Sharma**
Discipline :	**Pharmacy**
Semester :	**2nd Year**
Subject :	**Hospital and Clinical Pharmacy**
Lesson Plan Duration :	**15 weeks (from January, 2018 to April, 2018)**

Work Load(lecture/practical) per week (in hours): Lecture-03, Practicals-06

Week	Theory		Practical	
	Lecture day	Topic (including assignment/test)	Practical day	Topic
1st(Jan. 2nd week)	1st	Disease, manifestation and pathophysiology of Tuberculosis	1st (Batch A)	To study DOTS therapy of tuberculosis Patient
	2nd	Hepatitis, Rheumatoid Arthritis,		
	3rd	Cardiovascular diseases, Hypertension.	2nd(Batch B)	To study DOTS therapy of tuberculosis Patient
2nd(Jan. 3rd week)	1st	Diabetes, Peptic Ulcer	1st (Batch A)	To study Prescription of Diabetic Patient
	2nd	Epilepsy		
	3rd	Revision and Test	2nd(Batch B)	To study Prescription of Diabetic Patient
3rd(Jan 4th week)	1st	Physiological parameters with their significance .	1st (Batch A)	Estimation of physiological parameters
	2nd	Physiological parameters with their significance .		
	3rd	Adverse Drug Reactions	2nd(Batch B)	Estimation of physiological parameters
4th(Feb. 1st week)	1st	Drug –induced diseases and Teratogenicity	1st (Batch A)	To study typical hospital organisation
	2nd	Drugs in Clinical Toxicity		
	3rd	General treatment of poisoning	2nd(Batch B)	To study typical hospital organisation
5th(Feb. 2nd week)	1st	Systematic antidotes	1st (Batch A)	To study role of pharmacist in first aid treatment
	2nd	Treatment of insecticide poisoning		
	3rd	Heavy metal poison, Narcotic drugs, Barbiturate	2nd(Batch B)	To study role of pharmacist in first aid treatment
6th(Feb. 3rd week)	1st	Organophosphours poisons	1st (Batch A)	To study the role of pharmacist in improving patient compliance
	2nd	Revision and Test		
	3rd	Drug dependences	2nd(Batch B)	To study the role of pharmacist in improving patient compliance
7th (Feb. 4th week)	1st	Drug abuse	1st (Batch A)	To study role of pharmacist in family planning
	2nd	Addictive drugs and their treatment		
	3rd	Bio–availability of drugs	2nd(Batch B)	To study role of pharmacist in family planning
	1st	Factors affecting bioavailability	1st (Batch A)	To study prescription of cardiac patients

Week		Theory		Practical
8th (Mar. 1st week)	2nd	Manufacturing: Economic Consideration		
	3rd	Estimation of demand	2nd(Batch B)	To study prescription of cardiac patients
9th(Mar. 2nd week)	1st	Sterile manufacture-large and small volume parenterals	1st (Batch A)	To study various branded and generic drugs
	2nd	Facilities & Requirement for Parenterals		
	3rd	Layout production planning	2nd(Batch B)	To study various branded and generic drugs
10th (Mar. 3rd week)	1st	Man-power requirements	1st (Batch A)	Evaluation of absorbent cotton
	2nd	Non-sterile manufacture		
	3rd	Liquid orals	2nd(Batch B)	Evaluation of absorbent cotton
11th(Mar. 4th week)	1st	Externals-bulk concentrates	1st (Batch A)	Absorbency evaluation of absorbent cotton
	2nd	Procurement of stores		
	3rd	Testing of raw materials	2nd(Batch B)	Absorbency evaluation of absorbent cotton
12th(Apr. 1st week)	1st	Nomenclature and uses of surgical instruments	1st (Batch A)	To determine number of threads per 10cm of absorbent cotton ribbon gauze
	2nd	Hospital Equipments		
	3rd	Health accessories	2nd(Batch B)	To determine number of threads per 10cm of absorbent cotton ribbon gauze
13th(Apr. 2nd week)	1st	Test & Revision	1st (Batch A)	To determine weight per unit area of absorbent cotton ribbon gauze
	2nd	Surgical dressing cotton, gauze		
	3rd	Bandages and adhesive tapes	2nd(Batch B)	To determine weight per unit area of absorbent cotton ribbon gauze
14th(Apr. 3rd week)	1st	Pharmacopoeial tests for quality	1st (Batch A)	To study use of computers in hospital
	2nd	Hospital supply e.g I.V sets B.G sets		
	3rd	Ryals tubes, Catheters, Syringes	2nd(Batch B)	To study use of computers in hospital
15th(Apr. 4th week)	1st	Application of computer in maintenance of records, inventory control	1st (Batch A)	Preparation of patient record in hospital using MS Excel Worksheet
	2nd	Medication monitoring, drug information and data storage		
	3rd	Data retrieval in hospital and retail pharmacy establishments	2nd(Batch B)	Preparation of patient record in hospital using MS Excel Worksheet