LESSON PLAN

Name of Faculty	:	Mr. Ravinder Saini
Discipline	:	DIPLOMA IN PHARMACY
Semester/Year	:	2nd Year
Subject/Code	:	PHARMACEUTICAL CHEMISTRY I
Lesson Plan Duration	:	(August 2019 to April-2020)
Work Load (Lectute/Practical) per week (in Hours)		

	Theory		Practical	
WEEK	**Lecture Day**	**Topic (Including assignment /Test)**	**Practical Day**	
1st	1st	**Acids, bases and buffers**	1st	To study the comman glass wear used in pharmaceutical chemistry lab
	2nd	Boric acid, Hydrochloric acid, Strong Ammonium hydroxid		
	3rd	Sodium hydroxide and official buffers		
2nd	1st	**Antioxidants introduction**	2nd	To prepare and standerdise 0.1N NAOH solution
	2nd	Sulphur dioxide, Sodium bisulphite, Sodium meta-bisulphit		
	3rd	Revision		
3rd	1st	Gastrointestinal agents	3rd	To prepare and standerdise 0.1N HCL solution
	2nd	Acidifying agents- Dilute Hydrochloric acid		
	3rd	revision		
4th	1st	Antacids- Sodium bicarbonate , Calcium carbonate	4th	To carry out the aasy of given sampale of sodium bicarbonate
	2nd	Magnesium carbonate, Magnesium trisilicate		
	3rd	Combinations of antacid preparations		
5th	1st	Protective and Adsorbents Kaolin	5th	To carry out the aasy of given sampale of boric acid
	2nd	Saline cathartics Magnesium sulphate		
	3rd	Topical Agents		
6th	1st	Protective- Talc, Zinc Oxide, Calamine	6th	To prepare and standerdise 0.1N potassium permegnate solution
	2nd	Zinc stearate, Titanium dioxide, silicone polymers		
	3rd	revision		

	1st	revision		
	2nd	revision		To carry out the aasy of given sampale of
7th	3rd	revision	7th	ferrous sulphate
1st sessional exam				
	1st	**Antimicrobials and Astringents**		
	2nd	Hydrogen peroxide*, Potassium permanganate		To prepare and standerdise 0.1N sodium
8th	3rd	Iodine, Solutions of Iodine, Povidone-iodine	8th	thiosulphate
	1st	Boric acid, Borax, Silver nitrate, Mild silver protein		
	2nd	Sublimed sulphur, Percipitated sulphur, Selenium sulphide		To carry out the aasy of ammonium
9th	3rd	Revision	9th	choloride
	1st	Revision		
	2nd	Revision		
10th	3rd	Revision	10th	To carry out the aasy of chlorinated lime
	1st	Astringents- Alum and Zinc Sulphate		
	2nd	Dental Products		
11th	3rd	Revision	11th	To perform limit test for sulphate
	1st	Sodium fluoride, Stannous fluoride, Calcium carbonate		
	2nd	Di- calcium phosphate ,Strontium chloride, Zinc chloride		
12th	3rd	Revision	12th	To perform limit test for chloride
	1st	Inhalants- Oxygen, Carbon dioxide, Nitrous oxide		
	2nd	**Respiratory stimulants**- Ammonium carbonate		
13th	3rd	Revision	13th	To perform limit test for iron
	1st	**Expectorants and Emetics**-Ammonium chloride		
	2nd	Potassium iodide, Antimony potassium tartrate		
14th	3rd	Revision	14th	To perform limit test for arsenic
	1st	Antidotes- Sodium nitrite		
	2nd	Revision		
15th	3rd	Revision	15th	To perform limit test for heavy metals
2nd Sessional				
	1st	Major Intra and Extra cellular electrolytes		
	2nd	Sodium chloride and its preparations		To perform identification test for anion
16th	3rd	Revision	16th	radical ACETATE