

**Subject- Pharmaceutical Chemistry -1(Theory),
Class-D.Pharmacy- 1st Year
Faculty- O.P.Sharma, Lecturer**

Week	Day	Topic
January 2 nd Week	1	Radiopharmaceuticals Definition, Source of an atom, Radioactivity alpha, beta & gamma
	2	Biological effect of radiation, Measurement of radioactivity,G.M. counter
	3	Applications of Radioisotopes, Contrast Media (Barium Sulphate)
January 3 rd Week	1	Definition and Introduction of Anti Oxidants, Mechanism of Anti Oxidants
	2	HypoPhosphorus Acid, Sulphur Dioxide
	3	Sodium Bi Sulphite, Sodium Meta Bisulphite
January 4 th Week	1	Sodium Thio Sulphate,

		Nitrogen
	2	Sodium Nitrite,
	3	Revision of Anti Oxidants

February 1 st Week	1	Class test of Radiopharmaceuticals
	2	Class test of Anti Oxidants
	3	Acids Definition and General Discussion
February 2 nd Week	1	Initial Concept of Acid
	2	Arrhenius Concept
	3	Bronsted Lowery Concept
February 3 rd Week	1	Lewis Acid Base Theory
	2	Buffers
	3	Hydrochloric Acid, Calcium hydroxide
February 4 th Week	1	Sodium hydroxide, Strong Ammonium hydroxide

	2	Revision of Acid Base and Buffers
	3	Class test of Acid Base and Buffers
March 1 st Week	1	Identification of Acetate , Benzoate
	2	Identification of Bicarbonate, Bromide
	3	Identification of Carbonate, Chloride
March 2 nd Week	1	Identification of Iodide , Lactate
	2	Identification of Phosphate, Sulphate
	3	Identification of Tartrate
March 3 rd Week	1	Identification of Aluminium, Ammonium

	2	Identification of Antimony, Arsenic
	3	Identification of Barium , Bismuth
March 4 th Week	1	Identification of Calcium, Ferric Salt
	2	Identification of Ferrous Salt, Lead , Magnesium
	3	Identification of Potassium, Silver, Sodium
April 1 st Week	1	Identification of Sodium , Zinc
	2	Revision of Limit Test
	3	Class test of Limit Test
April 2 nd Week	1	Revision of Sources of Impurities in Pharmaceutical

		Substances
	2	Revision of Antacids
	3	Class test of Sources of Impurities and Antacids
April 3 rd Week	1	Revision of Electrolytes
	2	Revision of Electrolytes
	3	Class test of Electrolytes
April 4 th Week	1	Revision of Antidotes
	2	Revision of Expectorants
	3	Revision Of Iron, Iodine and Calcium

Subject- Pharmaceutical Chemistry -1(Practical),

Class-D.Pharmacy- 1st Year
Faculty- O.P.Sharma, Lecturer

Week	Practical(Experiment)
January 2 nd Week	Identification Test of Drugs and Pharmaceuticals
January 3 rd Week	Identification Test of Drugs and Pharmaceuticals
January 4 th Week	Identification Test of Drugs and Pharmaceuticals
February 1 st Week	Identification Test of Drugs and Pharmaceuticals
February 2 nd Week	Identification Test of Drugs and Pharmaceuticals
February 3 rd Week	Identification Test of Drugs and Pharmaceuticals
February 4 th Week	Acid Base Titration
March 1 st Week	Acid Base Titration
March 2 nd week	Acid Base Titration
March 3 rd Week	Redox Titration
March 4 th Week	Redox Titration
April 1 st week	Precipitation Titration
April 2 nd Week	Precipitation Titration
April 3 rd week	Complexometric titration
April 4 th Week	Complexometric titration