

BP602 T. PHARMACOLOGY-III (Theory)

(45 Hours) Teaching Plan

Sr.No	Unit	Topic	Time (Hrs.)
1	I	Pharmacology of drugs acting on Respiratory system	10
		a. Anti -asthmatic drugs b. Drugs used in the management of COPD	1
		c. Expectorants and antitussives d. Nasal decongestants	1
		e. Respiratory stimulants	2
		Pharmacology of drugs acting on the Gastrointestinal Tract	1
		a. Antiulcer agents. b. Drugs for constipation and diarrhoea.	1
		c. Appetite stimulants and suppressants. d. Digestants and carminatives.	1
		e. Emetics and anti-emetics.	3
2	II	Chemotherapy	10
		a. General principles of chemotherapy.	2
		b. Sulfonamides and cotrimoxazole.	4
		c. Antibiotics- Penicillins, cephalosporins, chloramphenicol, macrolides, quinolones and fluoroquinolins, tetracycline and aminoglycosides	4
3	III	Chemotherapy	10
		a. Antitubercular agents b. Antileprotic agents c. Antifungal agents	4
		d. Antiviral drugs	2
		e. Anthelmintics	1
		f. Antimalarial drugs	2
		g. Antiamoebic agents	1
4	IV	Chemotherapy	8
		Urinary tract infections and sexually transmitted diseases. Chemotherapy of malignancy.	4
		Immunopharmacology	
		Immunostimulants	2
		immunosuppressant Protein drugs, monoclonal antibodies, target drugs to antigen, biosimilars	2
5	V	Principles of toxicology	7
		a. Definition and basic knowledge of acute, subacute and chronic toxicity.	1
		b. Definition and basic knowledge of genotoxicity, carcinogenicity, teratogenicity and mutagenicity	1

		c. General principles of treatment of poisoning	2
		d. Clinical symptoms and management of barbiturates, morphine, organophosphorus compound and lead, mercury and arsenic poisoning.	1
		Chronopharmacology	
		a. Definition of rhythm and cycles. b. Biological clock and their significance leading to chronotherapy.	2