DIPLOMA IN PHARMACY (SECOND YEAR)

SESSION

: 2022-23

SUBJECT

: PHARMACOLOGY

SUBJECT TEACHER

: MADHUSMITA SWAIN

TOTAL HOURS ASSIGNED

:75 HOURS (82 Classes)

il. 10.	Title of Unit / Chapter	Theory Day	Date	PORTION TO BE COVERED	Actually Covered	Remarks
1.	1.General Pharmacology	1.		Introduction and scope of Pharmacology		
		2.		Various routes of drug administration - advantages and disadvantages		
		3		Drug absorption - definition, types, factors affecting drug absorption		
		4.		Bioavailability and the factors affecting bioavailability		
		5.		Drug distribution - definition, factors affecting drug distribution		
		6.		Biotransformation of drugs - Definition, types of biotransformation reactions		
		7.		factors influencing drug metabolisms		
		8.		Excretion of drugs - Definition, routes of drug excretion		
2.		9.		General mechanisms of drug action		
		10,		Factors modifying drug action		
	Drugs Acting on the Peripheral Nervous System	11.		Steps involved in neurohumoral transmission		
		12.		Definition, classification, pharmacological actions, dose,		



Г		indications, and contraindications of a)		
			Cholinergic drugs	
		13.	DO	
		14.	b) Anti-Cholinergic drugs	
1		15.	DO	
		16.	c) Adrenergic drugs.	
1		17.	DO	
1		18.	d) Anti-adrenergic drugs	
		19.	DO	
-		20.	e) Neuromuscular blocking agents	
		21.	f) Drugs used in Myasthenia gravis	
Name of	The second secon	22.	g) Local anaesthetic agents	
112		23.	h) Non-Steroidal Anti- Inflammatory drugs (NSAIDs)	
03	.Drugs Acting on the Eye	24.	Definition, classification, pharmacological actions, dose, indications and contraindications of • Miotics • Mydriatics	
		25.	Drugs used in Glaucoma	
04	Drugs Acting on the Central Nervous System	26.	Definition, classification, pharmacological actions, dose, indications, and contraindications of • General anaesthetics	
	The same of the sa	27.	Hypnotics and sedatives	
		28.	Anti-Convulsant drugs	
LONG CT		29.	Anti-anxiety drugs	
		30.	Anti-depressant drugs	
		31.	Anti-psychotics	
		32.	Nootropic agents	7
-112-07		33.	Centrally acting muscle relaxants	
-		34.	Opioid analgesics	
)5	Drugs Acting on the Cardiovascular System and	35.	Definition, classification, pharmacological actions, dose, indications, and contraindications	
			of • Anti-hypertensive drugs	-
		36.	Anti-anginal drugs	100
		37.	Anti-arrhythmic drugs	
		38.	Drugs used in atherosclerosis	
		39.	Drugs used in Congestive heart failure	
		40.	Drug therapy for shock	
6	Drugs Acting on Blood and Blood Forming Organs	41.	Definition, classification, pharmacological actions, dose,	



T			indications, and contraindications of • Hematinic agents		
+		42.	Do		
+		43.	Anti-coagulants		
1		44.	Anti-platelet agents		
-	and the second s	45.	Thrombolytic drugs		
7	Definition, classification, pharmacological actions, dose, indications, and contraindications of • Bronchodilators • Expectorants • Anti-tussive agents • Mucolytic agents	46.	Definition, classification, pharmacological actions, dose, indications, and contraindications of • Bronchodilators		
		47.	Expectorants		
		48.	Anti-tussive agents		-
	Morrod plan	49.	Mucolytic agents		3
08	Drugs Acting on the Gastro Intestinal Tract	50.	Definition, classification, pharmacological actions, dose, indications, and contraindications of · Anti-ulcer drugs		
		51.	· Anti-emetics		
		52.	· Laxatives and purgatives		
	Transfer and the second	53.	· Anti-diarrheal drugs	A Company	
09	Drugs Acting on the Kidney	54.	Definition, classification, pharmacological actions, dose, indications, and contraindications of Diuretics		
79.00		55.	· Anti-Diuretics		
10	Hormones and Hormone Antagonists	56.	Physiological and pathological role and clinical uses of • Thyroid hormones		
		57.	Anti-thyroid drugs		
		58.	Parathormone • Calcitonin		
		59.	Parathormone • Calcitonin	A .	18.7

		60.	Vitamin D • Insulin		
		61.	Oral hypoglycemic agents		
		62.	Estrogen * Progesterone		
		63.	Oxytocin • Corticosteroids		
11.	Autocoids	64.	Autocoids • Physiological role of Histamine,		
		65.	5 HT and Prostaglandins		
		66.	Classification, clinical uses, and adverse effects of antihistamines and 5 HT antagonists		
12.	Chemotherapeutic Agents: Introduction, basic principles of chemotherapy of infections, infestations and neoplastic disease	67.	Classification, dose, indication and contraindications of drugs belonging to following classes: · Penicillins		
		68.	· Cephalosporins		
			 Aminoglycosides 		
		69.	Fluoroquinolones · Macrolides		
		70.	Tetracyclines		1
		71.	Sulphonamides		
		72.	Anti-tubercular drugs		1
		73.	Anti-fungal drugs · Anti-viral drugs		
		74.	Anti-amoebic agents		
		75.	Anthelmintics	-	+
		76.	· Anti-malarial agents	1	
	Europe Constitution of the	77.	Anti-neoplastic agents	1	-
		78.	do-	-	
.3.	Biologicals Definition, types, and indications of biological agents with examples	79.	Biologicals Definition, types, and indications of biological agents with		
\neg	Pres	80	examples	1	
+			Do		
+		81	Revision		
		82	Revision		

Madhusmita Swain Lecturer,G.P.BBSR