JHARKHAND Rai University
UGC RECOGNISED UNIVERSITY
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Lesson Plan & Tracking

Programe : D. Pharm	**Session : 2022-23**	**Year : 2nd Year**	
Course: Pharmacology & Toxicology (Theory)			
Name of the Faculty: Nibir Ghosh	**Commencement Date: 29.08.2022**	**Date of Closure:**	

Lecture No.	Week	Unit	Topics to be Covered	Blended Mode			Date	Duration	Tracking of Lectures	Related Course Outcome	Signature of Faculty	Signature of HoD	Remarks (if any)
				ICT Tool/Platform/ LMS	Resources	Activity							
1	1	Unit I	Introduction to pharmacology, scope & Objective of pharmacology and its outcomes										
2			Routes of administration of drugs – their advantages and disadvantages.										
3			Various processes of absorption of drugs and the factors affecting them.										
4	2	Unit I	Metabolism, distribution, excretion of drugs										
5			Drugs acting on the central Nervous system: General anesthetics- adjunction to anesthesia, intravenous anesthetics.										
6			Sedatives and Hypnotics										
7	3	Unit I	psychopharmacological agents										
8			anticonvulsants,										

9			analeptics,										
10	4	Unit I	Centrally acting muscle relaxants										
11			anti – Parkinsonism agents.										
12			Narcotic analgesics.										
13	5	Unit I	Local anesthetics.										
14			Assignment/Quiz 1										
15		Unit II	Drugs acting on autonomic nervous system.										
16	6	Unit II	Cholinergic drugs,										
17			Anticholinergic drugs,										
18			anticholinesterase drugs.										
19	7	Unit II	Adrenergic drugs										
20			adrenergic receptor blockers.										
21			Neurone blockers and ganglion blockers.										

22	8	Unit II	Neuromuscular blockers, used in myasthenia gravis.										
23			Drugs acting on eye: Mydriatics,										
24			drugs used in glaucoma.										
25	9	Unit II	Autocoids:physiological role of histamine										
26			serotonin,										
27			Histamine and Antihistamines,										
28	10	Unit II	prostaglandins.Analgesic antipyretics and non-steroidal Anti-inflammatory drugs										
29			Antirheumatic and anti-gout remedies.										
30			Assignment/Quiz 2										
31	11	Unit III	Drugs acting on respiratory system – Respiratory stimulants, Bronchodilators, Nasal decongestants,										
32			Expectorants and Antitussive agents.										
33			Revision										
34			Cardio vascular drugs – Cardiotonics,										

35	12	Unit III	Antiarrhythmic agents, ,										
36			Anti-anginal agents,										
37	13	Unit III	Antihypertensive agents										
38			peripheral Vasodilators and drugs used in atherosclerosis										
39			Drugs acting on the blood and blood forming organs. Haematinics,										
40	14	Unit III	coagulants and anticoagulants,										
41			Haemostatic, Blood substitutes and plasma expanders.										
42			Drugs affecting renal function-Diuretics and anti-diuretics										
43	15	Unit III	Assignment/Quiz 3										
44		Unit IV	Hormones and hormone antagonists-										
45			Hypoglycemic agents,										
46	1	Unit IV	Anti--thyroid drugs,										
47			sex hormones										

48			oral contraceptives										
49	2	Unit IV	corticosteroids.										
50			Drugs acting on digestive system-carminatives, digestants,										
51			Bitters, Antacids and drugs used in peptic-ulcer,										
52	3	Unit IV	purgatives, and laxatives,										
53			Anti – diarrohoeals,										
54			Emetics										
55	4	Unit IV	Anti-emetics										
56			Antispasmodics										
57		Unit V	Chemotherapy of microbial diseases										
58	5	Unit V	Urinary antiseptics										
59			sulphonamides,										
60			penicillin,										

61	6	Unit V	streptomycin										
62			Tetracyclines other antibiotics										
63			Antitubercular agents										
64	7	Unit V	Antifungal agents, antiviral drugs										
65			anti-leprotic drugs.										
66			Chemotherapy of protozoal diseases										
67	8	Unit V	Anthelmintic drugs.										
68			Antibiotics, sulphonamides										
69			fluoroquinolones, helminthiasis										
70	9	Unit V	Chemotherapy of cancer										
71			Disinfectants and antiseptics										
72			Assignment/ Quiz 4										
73			Revision										

74	10		Revision										
75			Revision										
76			Revision										