JHARKHAND Rai University
UGC RECOGNISED UNIVERSITY
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Lesson Plan & Tracking

Program : B.Pharm	**Session : 2020-24**	**Year : Third**	**Sem: V**
Course: Pharmacology II			
Name of the Faculty: Srijani Dasgupta	**Commencement Date: 28.08.2022**	**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	Week 1	**Unit-I**	Introduction to hemodynamics										
2			Introduction to electrophysiology of heart										
3			Drugs used in congestive heart failure										
4			Anti hypertensive drugs										
5	Week 2		Antianginal drugs										
6			Anti arrhythmic drugs										
7		**Unit-I and Unit-II**	Anti hyperlipidemic drugs										

8			Drugs used in therapy of shock										
9	Week 3	**Unit II**	Hematinics										
10			Coagulants and anticoagulants										
11			Fibrinolytics										
12			Anti platelet drugs										
13	Week 4	**Unit-III**	Plasma volume expanders										
14			Diuretics										
15			Anti diuretics										
16			Introduction to autocoids and classification										
17	Week 5		Histamine, 5HT and their antagonist										
18		**Unit-III**	Prostaglandins, Thromboxanes, and leukotrienes										
19			Angiotensin										
20			Bradykinin and substance P										

21	Week 6	**Unit-III and IV**	Non steroidal anti inflammatory agents										
22			Anti gout drugs										
23			Antirheumatic drugs										
24			Basic concepts of endocrine pharmacology										
25	Week 7	**Unit-IV**	Anterior Pituitary hormones analogues and inhibitors										
26			Thyroid hormones										
27			Hormones regulating Ca2+ levels										
28			Parathormone and Calcitonin										
29	Week 8	**Unit-IV and V**	Vitamin D										
30			Insulin										
31			Oral hypoglycemic agents										
32			ACTH and corticosteroids										
33	Week 9	**Unit v**	Androgen and anabolic steroids										

34			Estrogen and progesterone										
35			Oral contraceptives										
36			Drugs acting on uterus										
37	Week 10	**Unit v**	Principle of bioassay										
38			Types of bioassay										
39			Bioassay of insulin										
40			Bioassay of oxytocin										
41		**Unit v**	Bioassay of vassopressin										
42	Week 11		Bioassay of ACTH										
43			Bioassay of d tubocurarine										
44	Week 12	**Unit v**	Bioassay of digitalis										
45			Bioassay of 5 HT										