JHARKHAND Rai University
UGC RECOGNISED UNIVERSITY
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Lesson Plan & Tracking

Programe : BPT	**Session : 2022-2026**	**Year : 2022**	**Sem: I**
Course: (23A102) Physiology-1 (Theory)			
Name of the Faculty:Dr.Pratyush Ghosh	**Commencement Date:**		**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	1	Introduction to Physiology										
2		1	Structure of cell										
3		1	Description about cell wall										
4		1	Mitochondria,										
5	2	1	Golgibody										
6		1	Ribosome,										
7		1	lysosomke										
8		1	DNA										
9	3	1	RNA										
10		1	Intercellular communication										
11		1	Homeostasis										

12		1	Revision of unit 1										
13	4	2	Introduction to blood										
14		2	Component of Blood										
15		2	RBC										
16		2	WBC										
17	5	2	Platelet										
18		2	Plasma										
19		2	Blood Groups										
20		2	Haemostasis,										
21	6	2	Immunity										
22		2	Plasma proteins and their functions.										
23		3	Dynamics of blood & lymph flow										
24		3	Blood circulation										

25	7	3	Anatomical, biophysical consideration of arterial, arteriolar & capillary venous level										
26		3	Lymphatic circulation										
27		3	Origin and spread of cardiac excitation,										
28		4	Basic idea of Electrocardiogram										
29	8	4	Mechanical events of Cardiac cycle										
30		4	Cardiac output										
31		4	Cardiac output regulation and factors determining										
32		4	Local & systemic regulatory mechanisms of CVS										
33	9	4	Local & systemic regulatory mechanisms of humeral, neural, Cerebral, coronary, circulation										
34		4	splanchnic, skin circulation										
35		4	Placental & Fetal circulation										
36		4	Revison Class										
37	10	5	Introduction of Respiratory system										
38		5	Physiological anatomy of lungs,										
39		5	mechanics of respiration ,										

40		5	Pulmonary circulation										
41	11	5	Gas exchange in lungs										
42		5	Oxygen & Carbon dioxide transport										
43		5	Other function of respiratory system,										
44		5	Neural & chemical control of breathing										
45	12	5	Regulation of respiratory activity										
46		5	non-chemical influences on respiratory activity.										
47		6	Exercise, high altitude, deep sea diving,										
48		6	Hypoxia, hypercapnia, hypocapnia										
49	13	6	oxygen treatment										
50		6	Asthma,										
51		6	emphysema,										
53		6	artificial respiration										
54		6	Revision class										