JHARKHAND Rai University
UGC RECOGNISED UNIVERSITY
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Lesson Plan & Tracking

Programe : B.pharm	**Session : 2022-23**	**Year : 1st**	**Sem: I**
Course: Human Anatomy & Physiology (Theory)			
Name of the Faculty: Sapna Keshri	**Commencement Date:29/8/2022**		**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	Unit1	Definition and scope of anatomy and physiology										
2		Unit1	levels of structural organization and body systems										
3		Unit1	basic life processes, homeostasis										
4	2	Unit1	basic anatomical terminology										
5		Unit1	Structure and functions of cell										
6		Unit1	transport across cell membrane										
7	3	Unit1	cell division										
8		Unit1	intracellular signaling pathway activation by extracellular signal molecule, Forms of intracellular signaling:										
9		Unit1	Classification of tissues, structure, location and functions of epithelial tissue										

10	**4**	**Unit1**	Classification of tissues, structure, location and functions of connective tissue,										
11		**Unit1**	Classification of tissues, structure, location and functions of muscle tissue,										
12		**Unit1**	Classification of tissues, structure, location and functions of nerve tissue,										
13	**5**	**Unit2**	Structure and functions of skin										
14		**Unit2**	Divisions of skeletal system, types of bone, salient features and functions of bones of axial skeletal system										
15		**Unit2**	Divisions of skeletal system, types of bone, salient features and functions of bones of appendicular skeletal system										
16	**6**	**Unit2**	Organization of skeletal muscle, physiology of muscle contraction, neuromuscular junction										
17		**Unit2**	Structural and functional classification, types of joints movements and its articulation										
18		**Unit2**	Revision										
19	**7**	**Unit3**	Body fluids, composition and functions of blood										
20		**Unit3**	hemopoeisis, formation of hemoglobin, anemia, mechanisms of coagulation										

21		**Unit3**	blood grouping, Rh factors, transfusion, its significance										
22	**8**	**Unit3**	disorders of blood, Reticulo endothelial system										
23		**Unit3**	Lymphatic organs and tissues, lymphatic vessels										
24		**Unit3**	lymph circulation and functions of lymphatic system										
25	**9**	**Unit3**	Classification of peripheral nervous system:										
26		**Unit3**	Structure and functions of sympathetic and parasympathetic nervous system.										
27		**Unit3**	Origin and functions of spinal and cranial nerves.										
28	**10**	**Unit3**	Structure and functions of eye										
29		**Unit3**	Structure and functions of ear										
30		**Unit3**	Nose and Tongue and their disorder										
31	**11**	**Unit4**	Heart – anatomy of heart, blood circulation										
32		**Unit4**	blood vessels, structure and functions of artery, vein and capillaries,										
33		**Unit4**	elements of conduction system of heart and heartbeat										

34	**12**	**Unit4**	its regulation by autonomic nervous system, cardiac output, cardiac cycle.										
35		**Unit4**	Regulation of blood pressure, pulse										
36			Revision										