

GAUTAM COLLEGE OF PHARMACY

DISTT.HAMIRPUR 177001 (H.P)

LESSON PLAN

Course: D. Pharmacy 1st Year

Session-2024-2025

Subject Name: Human Anatomy and Physiology

Subject Code: ER20-14T

Total teaching hours allocated by PCI= 75 hrs

Name of faculty: Neha Rani

Duration of topic: 1hr

Syllabus Coverage Schedule

CH. NO.	Topic No.	Title of Topic	Learning outcomes	Schedule Date	Teaching aids to be used	Remarks
1.	1.	Unit-1 Scope of anatomy and physiology	After completion of the topic's the student will	02/09/2024	Handwritten notes	
	2.	Tutorial-1	understand about	02/09/2024		
	3.	Defination of various terminology	scope of anatomy and physiology in Pharmacy field	06/09/2024		
2.	4.	Unit-2 Structure of cell Components and functions	After completion of the topic's the student will understand about	07/09/2024	Hand written notes	
	5.	Tutorial-2	components and functions of cell	09/09/2024 09/09/2024		
3.	6.	Unit-3 Tissue of the human body Epithelial, connective	After completion of the topic's the student will	13/09/2024	Hand written notes	
				16/09/2024		

	7.	Tutorial-3	understand about tissues of human body	16/09/2024		
	8.	Muscular and nervous tissues - their subtypes and characteristics		20/09/2024		
				21/09/2024		
4.	9.	Unit-4 Osseous system Structure and function of bones of appendicular skeleton	After completion of the topic's the student will understand about structure and function of bones, joints and disorder of joints	23/09/2024	Hand written notes	
	10.	Tutorial-4		28/09/2024		
	11.	Structure and function of bones of appendicular skeleton		27/09/2024		
				28/09/2024		
	12.	Classification, types		30/09/2024		
	13.	Tutorial-5		30/09/2024		
	14.	Movement of joint		04/10/2024		
	15.	Disorder of joint		05/10/2024		
5.	16.	Unit-5 Haemopoietic system Composition and functions of blood	After completion of the topic's the student will understand about composition and function of blood, process of hemopoiesis function of RBC, WBC and platelets and mechanism of blood clotting	07/10/2024	Hand written notes	
	17.	Tutorial-6		07/10/2024		
	18.	Process of hemopoiesis		11/10/2024		
				14/10/2024		
	19.	Tutorial-7		14/10/2024		
	20.	Characteristics and functions of RBCs, WBCs and platelets Mechanism of blood clotting		18/10/2024		
				19/10/2024		
				21/10/2024		
	21.	Tutorial-8		21/10/2024		

	22.	Importance of blood group		25/10/2024 26/10/2024		
6.	23.	Unit-6 Lymphatic system Lymph and lymphatic system,	After completion of the topic's the student will understand about lymphatic system	04/11/2024	Hand written notes	
	24.	Tutorial-9		04/11/2024		
	25.	composition, functions and it's formation		08/11/2024		
	26.	Structure and function of spleen and lymph node		11/11/2024		
	27.	Tutorial-10		11/11/2024		
7.	28.	Unit-7 Cardiovascular system Anatomy and physiology of heart	After completion of the topic's the student will understand about heart, blood vessels and their circulation, ECG and blood pressure	16/11/2024 18/11/2024	Hand written notes	
	29.	Tutorial-11		18/11/2024		
	30.	Blood vessels and circulation		22/11/2024		
	31.	Cardiac cycle and heart sounds		23/11/2024 25/11/2024		
	32.	Tutorial-12		25/11/2024		
	33.	Basis of ECG		29/11/2024		
	34.	Blood pressure and it's regulation		30/11/2024 09/12/2024		
	35.	Tutorial-13		09/12/2024		
8.	36.	Unit-8 Respiratory system Anatomy of respiratory organs and their functions	After completion of the topic's the student will understand about regulation and mechanisms of respiration	13/12/2024 16/12/2024	Hand written notes	
	37.	Tutorial-14		16/12/2024		
	38.	Regulation and mechanism of respiration		20/12/2024 21/12/2024		
	39.	Respiratory volume and capacities -definitions		23/12/2024		

	40.	Tutorial-15		23/12/2024		
9.	41.	Unit-9 Digestive system Anatomy of the GIT	After completion of the topic's the student will understand about physiology of digestion and absorption	27/12/2024 28/12/2024 30/12/2024	Hand written notes	
	42.	Tutorial-16		30/12/2024		
	43.	Physiology of the GIT		17/01/2025 20/01/2025		
	44.	Tutorial-17		21/01/2025		
	45.	Anatomy and functions of accessory glands		22/01/2025 24/01/2025		
	46.	Physiology of digestion and absorption		27/01/2025		
	47.	Tutorial-18		28/01/2025		
10.	48.	Unit-10 Skeletal muscle Histology	After completion of the topic's the student will understand about physiology of muscle contraction and disorder of skeletal muscle	29/01/2025	Hand written notes	
	49.	Physiology of muscle contraction		31/01/2025		
	50.	Disorder of skeletal muscle		03/02/2025		
	51.	Tutorial-19		04/02/2025		
11.	52.	Unit-11 Nervous system Classification of nervous system	After completion of the topic's the student will understand about anatomy and physiology of various parts of nervous system	05/02/2025	Hand written notes	
	53.	Anatomy and physiology of cerebrum, cerebellum, midbrain		07/02/2025 10/02/2025		
	54.	Tutorial-20		11/02/2025		
	55.	Functions of hypothalamus,				

		medulla oblongata and basal ganglia Spinal cord structure and reflexes		14/02/2025 17/02/2025		
	56.	Tutorial-21		18/02/2025		
	57.	Spinal cord structure and reflexes		19/02/2025 21/02/2025		
	58.	Names and functions of cranial nerves		24/02/2025		
	59.	Tutorial-22		25/02/2025		
	60.	Anatomy and physiology of sympathetic and parasympathetic nervous system		28/02/2025 03/03/2025		
	61.	Tutorial-23		04/03/2025		
12.	62.	Unit-12 Sense organs - Anatomy and physiology of Eye Ear	After completion of the topic's the student will understand about anatomy and physiology of sense organs	05/03/2025 07/03/2025 17/03/2025	Hand written notes	
	63.	Tutorial-24		18/03/2025		
	64.	Skin Tongue Nose		19/03/2025 21/03/2025 24/03/2025		
	65.	Tutorial-25		25/03/2025		
13.	66.	Unit-13 Urinary system Anatomy and physiology of urinary system	After completion of the topic's the student will understand about physiology of urine formation, RAAS	26/03/2025 01/04/2025	Hand written notes	
	67.	Tutorial-26		02/04/2025		
	68.	Physiology of urine formation		04/04/2025 07/04/2025		
	69.	Tutorial-27		08/04/2025		

	70.	Renin angiotensin system		09/04/2025		
	71.	Clearance tests and micturition		11/04/2025 16/04/2025		
14.	72.	Unit-14 Endocrine system Pituitary gland	After completion of the topic's the student will understand about endocrine system	21/04/2025	Hand written notes	
	73.	Tutorial-28		22/04/2025		
	74.	Adrenal gland		23/04/2025		
	75.	Thyroid and parathyroid gland		25/04/2025 28/04/2025		
	76.	Tutorial-29		29/04/2025		
	77.	Pancreas and gonads		30/04/2025		
15.	78.	Unit-15 Reproductive system Anatomy of male and female reproductive system Physiology of mensuration	After completion of the topic's the student will understand about anatomy and physiology of reproductive system, physiology of mensuration	02/05/2025 05/05/2025 06/05/2025	PPT/ PDF& Notes through on line mode	
	79.	Tutorial-30		13/05/2025		
	80.	Spermatogenesis Pregnancy and parturition		14/05/2025 16/05/2025		

Model question paper given:

Yes/No

1. No. of extra Lectures delivered:

2. Feedback from student taken:

Yes/No

Signature of the subject Teacher

HOD

Director cum Principal