

Performa : Hindu College of Pharmacy, Sonipat (024)				
Lesson Plan				
Name of the faculty		Jasmine Batra		
Discipline		Pharmacy		
Semester		1 st Year		
Subject		Human Anatomy and Physiology		
Lesson plan Duration		25weeks (Oct. 2021 to May 2022)		
Work Load/week(In hour)		Lecture- 03; Tutorial -01; Practical- 09		
Week	Theory		Practical	
	Lecture Day	Topic	Practical Day	Topic
1 st (Oct 3 rd .week)	1 st	Introduction of Human anatomy and physiology	1 st (Batch A)	Study of compound microscope
	2 nd	Scope of anatomy and physiology	2 nd (Batch B)	-----do-----
	3 rd	Definition of various terminologies	3 rd (Batch C)	-----do-----
	4 th	-----Class Test-----		
2 nd (Oct 4 th week)	1 st	Introduction and structure of cell	1 st (Batch A)	Study of compound microscope
	2 nd	Components and its functions	2 nd (Batch B)	-----do-----
	3 rd	Components and its functions	3 rd (Batch C)	-----do-----
	4 th	-----Class Test-----		
3 rd (Nov 2 nd week)	1 st	Epithelial, Connective tissue, Muscular tissue	1 st (Batch A)	Viva-voca
	2 nd	Nervous tissue subtypes and Characteristics	2 nd (Batch B)	-----do-----
	3 rd	----Revision class---	3 rd (Batch C)	-----do-----
	4 th	-----Class Test-----		
4 th (Nov 3 rd week)	1 st	Introduction of osseous system	1 st (Batch A)	Techniques for the collection of blood
	2 nd	Structure and functions of bones of axial skeleton	2 nd (Batch B)	-----do-----
	3 rd	Appendicular skeleton	3 rd (Batch C)	-----do-----
	4 th	Classification of joints and disorders		
5 th (Nov 4 th week)	1 st	Types and movement of joints	1 st (Batch A)	Techniques for the collection of blood
	2 nd	-----Assignment 1-----	2 nd (Batch B)	----do----

	3 rd	----class Test-----	3 rd (Batch C)	----do----
	4 th	Introduction of haemopoietic system		
6 th (Dec 1 st week)	1 st	Composition and functions of blood	1 st (Batch A)	Viva-voca
	2 nd	Composition and functions of blood	2 nd (Batch B)	-----do-----
	3 rd	Process of hemopoiesis	3 rd (Batch C)	----do----
	4 th	Characteristics and functions of RBC, WBC and platelets		
7 th (Dec 2 nd week)	1 st	Characteristics and functions of RBC, WBC and platelets	1 st (Batch A)	Microscopic examination of various muscles and tissues
	2 nd	Mechanism of blood clotting	2 nd (Batch B)	-----do-----
	3 rd	Importance of blood groups	3 rd (Batch C)	-----do-----
	4 th	-----Class Test-----		
8 th (Dec 3 rd week)	1 st	Lymph and lymphatic system	1 st (Batch A)	Microscopic examination of various muscles and tissues
	2 nd	Composition, function and its formation	2 nd (Batch B)	-----do-----
	3 rd	Composition, function and its formation	3 rd (Batch C)	-----do-----
	4 th	functions of spleen and lymph node		
9 th (Dec 4 th week)	1 st	Anatomy and physiology of heart	1 st (Batch A)	Viva-voca
	2 nd	Blood vessels and circulation	2 nd (Batch B)	----do----
	3 rd	---Assignment 2---	3 rd (Batch C)	-----do-----
	4 th	Cardiac cycle and heart sound		
10 th (Dec 5 th week)	1 st	Basics of ECG	1 st (Batch A)	Study of human skeleton-axial skeleton and appendicular skeleton
	2 nd	Structure of spleen Lymph node	2 nd (Batch B)	-----do----
	3 rd	-----Class Test-----	3 rd (Batch C)	-----do----
	4 th	Anatomy and functions of respiratory organs		
11 th (Jan 3 rd week)	1 st	Regulation and Mechanism of respiration	1 st (Batch A)	Study of human skeleton-axial skeleton and appendicular

	2 nd	Regulation and Mechanism of respiration	2 nd (Batch B)	-----do----
	3 rd	Respiratory volumes and capacities-Defination	3 rd (Batch C)	-----do----
	4 th	-----Class test-----		
12 th (Jan 4 th week)	1 st	Anatomy and Physiology of GIT	1 st (Batch A)	Viva voca
	2 nd	Anatomy of accessory glands	2 nd (Batch B)	-----do-----
	3 rd	Physiology of digestion and absorption	3 rd (Batch C)	-----do----
	4 th	-----Class Test-----		
13 th (Feb 2 nd week)	1 st	Skeleton muscles Histology	1 st (Batch A)	Determiation of WBC and RBC
	2 nd	Physiology of muscle contraction	2 nd (Batch B)	-----do---
	3 rd	Disorders of skeleton muscles	3 rd (Batch C)	-----do-----
	4 th	-----Class test-----		
14 th (Feb 3 rd week)	1 st	Introduction of nervous system	1 st (Batch A)	Viva-voca
	2 nd	Classification of nervous system	2 nd (Batch B)	-----do----
	3 rd	Anatomy and physiology of cerebrum	3 rd (Batch C)	-----do---
	4 th	Cerebellum , mid brain		
15 th (Feb 4 th week)	1 st	Function of hypothalamus, medulla oblongata	1 st (Batch A)	Determiation of differential count of blood
	2 nd	Study of basal ganglia	2 nd (Batch B)	----do----
	3 rd	Name and functions of cranial nerves	3 rd (Batch C)	----do---
	4 th	Cranial nerves		
16 th (March 1 st week)	1 st	Anatomy and physiology of sympathetic	1 st (Batch A)	Viva-voca
	2 nd	----Assisgment 3----	2 nd (Batch B)	-----do---
	3 rd	----Class test----	3 rd (Batch C)	----do----
	4 th	Introduction of sense organs		
17 th (March 2 nd week)	1 st	Eye, ear	1 st (Batch A)	Recording of body temp, Pulse oxygen, Heart rate, Body temp

	2 nd	Skin, tongue	2 nd (Batch B)	-----do----
	3 rd	Nose	3 rd (Batch C)	-----do----
	4 th	-----Class test-----		
18 th (March 3 rd week)	1 st	Anatomy and physiology of urinary system	1 st (Batch A)	Recording of body temp, Pulse oxygen, Heart rate, Body temp
	2 nd	Physiology of urinary system	2 nd (Batch B)	----do----
	3 rd	Physiology of urine formation	3 rd (Batch C)	-----do---
	4 th	Renin – angiotensin system		
19 th (March 4 th week)	1 st	----Revision class---	1 st (Batch A)	Viva voca
	2 nd	-----Class test-----	2 nd (Batch B)	----do----
	3 rd	Introduction of endocrine system	3 rd (Batch C)	-----do-----
	4 th	Pituitary gland		
20 th (March. 5 th week)	1 st	Adernal gland	1 st (Batch A)	Measurement of height, weight and BMI
	2 nd	Thyroid and parathyroid gland	2 nd (Batch B)	-----do----
	3 rd	Pancreas and gonads	3 rd (Batch C)	-----do----
	4 th	-----class test-----		
21 th (April . 2 nd week)	1 st	Introduction of reproductive system	1 st (Batch A)	Viva-voca
	2 nd	Anatomy of Male reproductive system	2 nd (Batch B)	----do----
	3 rd	Anatomy of Female reproductive system	3 rd (Batch C)	----do---
	4 th	-----Class Test-----		
22 nd (April . 3 rd week)	1 st	Physiology of menstruation	1 st (Batch A)	Determination of blood group, ESR, haemoglobin, bleeding time and clotting time
	2 nd	Spermatogenesis	2 nd (Batch B)	----do---
	3 rd	Oogenesis	3 rd (Batch C)	-----do----
	4 th	-----class test-----		

23 rd (April 4 th week)	1 st	Pregnancy and Parturition	1 st (Batch A)	Viva-voca
	2 nd	Pregnancy and parturition	2 nd (Batch B)	----do----
	3 rd	-----Revision class---	3 rd (Batch C)	----do----
	4 th	----Assisgnment 4----		
24 th (April 5 th week)	1 st	-----Test class----	1 st (Batch A)	Study of various organ system
	2 nd	Blood pressure and its regulation	2 nd (Batch B)	----do----
	3 rd	Function of accessory gland	3 rd (Batch C)	----do----
	4 th	-----Class test-----		
25 th (May 2 nd week)	1 st	Parasympathetic nervous system	1 st (Batch A)	Study of Various organ system
	2 nd	Clearance test and micturition	2 nd (Batch B)	----do----
	3 rd	Study of spinal cord reflexes and structure	3 rd (Batch C)	----do----
	4 th	-----Assisgnment 5-----		
After onwards revised the queries regarding the syllabus.				