

Lesson Plan

Name of Faculty : BHAWNA RANI
Discipline : MLT
Year : 1st sem.
Subject : ANATOMY AND PHYSIOLOGY

Lesson Plan Duration : From October 2022

Work Load (Lecture/Practical) per week (n hours): Lecture= 03, Practical= 02

Week	Theory		Practical	
	Lecture Day	Topic (including assignment / test)	Practical Day	Topic
1 st	1	Introduction Human Body	1	Study of various parts of body through demonstration
		Structure and functions of animal cell.		
	2	Do	2	Study of tissue.
		Various definitions related to anatomy and physiology.		
3	Assignment and test	2	Study of tissue.	
	Introduction to different types of tissue.			
2 nd	4	Epithelial tissue, structure and function	3	Study of different types of Tissue.
		Nervous tissue, structure and function		
	5	Connective tissue, structure and function	4	Internal structure of Bone.
		Muscular tissue, structure and function		
	6	Bone & Cartilage, structure and function	4	Internal structure of Bone.
		Assignment and test		
3 rd	7	Structure and function of Skin	5	Study of different parts of skin.
		Accessory organs of Skin		
	8	Assignment and test	6	Study of various Bones.
		Introduction to skeleton system and various parts		
9	Classification of bones and their structure	6	Study of various Bones.	
	Do			
4 th	10	Joints and their classification	7	Study of various Joints
		Major Joints of Body		
	11	Assignment and test	8	Study of Stomach and small intestine.
		Introduction to digestive system and various organs of digestion		
12	Structure and function of stomach	8	Study of Stomach and small intestine.	
	Structure and function of small intestine.			
5 th	13	Structure and function of liver	9	Study of Liver through demonstration.
		Structure and function of pancreas		
	14	Structure and function of salivary glands	9	Study of Liver through demonstration.
		Process of digestion and absorption		

	15	Classification of vitamins and their role in body	10	Study of Digestive System and its process.
		Classification of minerals and their role in body		
6 th	16	Assignment and test	11	Study of Respiratory system through demonstration
		Introduction to Respiratory system and its various parts		
	17	Structure of lungs, trachea, alveoli, histology of all	12	Study of various parts of Excretory System.
		Respiration ,its classification and mechanism		
18	Gaseous exchange in the body	13	Study of Kidneys, ureter and urinary bladder through demonstration.	
	Regulation of respiration, BMR			
7 th	19	Various volumes and capacities related to respiration	13	Study of Kidneys, ureter and urinary bladder through demonstration.
		Assignment and test		
	20	Introduction to Excretory System, its organs	14	Structure of nephron
		Structure of Kidneys, ureter and urinary bladder		
21	Structure of nephron	15	Revision of practicals.	
	Formation of urine and its composition			
8 th	22	Assignment and test	15	Revision of practicals.
		Solving of previous question papers		
	23	Solving of previous question papers	16	Study of brain and its parts with structure
		Introduction to nervous system- CNS, PNS		
24	Study of brain and its parts with structure	17	Study of Spinal cord and its parts with structure.	
	Do			
9 th	25	Study of Spinal cord and its parts with structure and function	17	Study of Spinal cord and its parts with structure.
		Cranial Nerves and their function		
	26	Spinal nerves and their function	18	Study of Eye and its parts with structure
		Introduction to sense organs eye and its structure and function		
27	Ear its structure and function	19	Study of Ear and its parts with structure	
	Tongue and nose its structure and function			
10 th	28	Assignment and test	19	Study of Ear and its parts with structure
		Introduction to muscular system, type of muscle		
	29	Skeletal Muscle its structure and function	20	Study Skeletal Muscle, Smooth Muscle, cardiac muscle
		Smooth Muscle its structure and function		
30	Study of cardiac muscle its structure and function	21	Study of conduction system of heart	
	Difference between different muscle, muscle fatigue its type			
11 th	31	Assignment and test	21	Study of conduction system of heart
		Blood and its function components		
	32	Structure and functioning of heart		

		Various circulation of blood, cardiac cycle		
	33	Study of conduction system of heart, blood pressure Arteries, Vein their differences	22	Study of stained blood film
12 th	34	Lymph its function, various organ of lymphatic system	23	Estimation of blood pressure
		Test and assignment		
	35	Introduction to endocrine system and various endocrine glands	24	Study of male Reproductive system
		Pituitary gland, Hypothalamus their secretions, their function and their effects		
36	Thyroid gland its secretions, function and effects	24	Study of male Reproductive system	
	Adrenal gland its secretions, function and effects			
13 th	37	Testis and ovaries its secretions, function and effects	25	Study of Female Reproductive system
		Pancreas its secretions, function and effects		
	38	Parathyroid gland, Pineal gland its secretions, function and effects	26	Study of Ovarian cycle
		Test and assignment		
39	Introduction to Reproductive system and various parts	26	Study of Ovarian cycle	
	Male Reproductive system and various parts			
14 th	40	Spermatogenesis, Structure of sperm	27	Study of Spermatogenesis
		Female Reproductive system and various parts		
	41	Female Reproductive system and various parts	28	Study of Structure of sperm
		Ovarian cycle		
42	Ovulation	28	Study of Structure of sperm	
	Fertilization			
15 th	43	Test and assignment	29	Revision of practicals
		Revision of questions papers		
	44	Problems of unit-I	30	Revision of practicals
		Problems of unit-II,III		
	45	Problems of unit-IV,V	30	Revision of practicals
Solving of previous question papers				