

Lesson Plan

Name of the Faculty : guest faculty

Discipline : MLT

Year : 1st

Subject : ANATOMY AND PHYSIOLOGY

Lesson Plan Duration : 30 Weeks (from July-2018 to -May 2019)

Work Load (Lecture/Practical) per week (n hours): Lecture= 03, Practical=2

Week	Theory		Practical	
	Lecture Day	Topic (including assignment / test)	Practical Day	Topic
1	1	Introduction Human Body	1	Introduction of human body
	2	Structure and functions of animal cell		
	3	Do		
2	4	Various definitions related to anatomy and physiology.	2	Study of tissue.
	5	Assignment and test		
	6	Introduction to different types of tissue		
3	7	Epithelial tissue, structure and function	3	Study of different types of Tissue.
	8	Nervous tissue, structure and function		
	9	Connective tissue, structure and function		
4	10	Muscular tissue, structure and function	4	Internal structure of Bone.
	11	Bone & Cartilage, structure and function		
	12	Assignment and test		
5	13	Structure and function of Skin	5	Study of different parts of skin.
	14	Accessory organs of Skin		
	15	Assignment and test		
6	16	Introduction to skeleton system and various parts	6	Study of various Bones.
	17	Classification of bones and their structure		

	18	Do		
7	19	Joints and their classification	7	Study of various Joints
	20	Major Joints of Body		
	21	Assignment and test		
8	22	Introduction to digestive system and various organs of digestion	8	Study of Stomach and small intestine.
	23	Structure and function of stomach		
	24	Structure and function of small intestine		
9	25	Structure and function of Liver	9	Study of Liver through demonstration
	26	Structure and function of Pancreas		
	27	Structure and function of salivary gland		
10	28	Process of digestion and absorption	10	Study of Digestive System and its process.
	29	Classification of vitamins and their role in body		
	30	Classification of minerals and their role in body		
11	31	Assignment and test	11	Study of Respiratory system through demonstration
	32	Introduction to Respiratory system and its various parts		
	33	Structure of lungs, trachea, alveoli, histology of all		
12	34	Respiration ,its classification and mechanism	12	Study of various parts of Excretory System.
	35	Gaseous exchange in the body		
	36	Regulation of respiration, BMR		
13	37	Various volumes and capacities related to respiration	13	Study of Kidneys, ureter and urinary bladder through demonstration
	38	Assignment and test		
	39	Introduction to Excretory System, its organs		
14	40	Structure of Kidneys, ureter and urinary bladder	14	. Structure of nephron
	41	Structure of nephron		
	42	Formation of urine and its Composition		
15	43	Assignment and Test	15	Revision of practicals.
	44	Revision		
	45	Revision		
16	46	Introduction to CNS	16	Study of various parts of nervous system (brain and spinal cord) (demonstration from model)
	47	Brain		
	48	Spinal Cord		
17	49	PNS Introduction	17	Study of various parts of nervous

	50	Spinal nerves		system (brain and spinal cord) (demonstration from model)
	51	Cranial Nerves		
18	52	Sense organs (Eye ear)	18	Study of structure of eye and ear (demonstration from models)
	53	Tongue and nose		
	54	Test and Assignmet		
19	55	Inrtroduction to muscular system	19	Study of structure of eye and ear (demonstration from models)
	56	Various type of muscles		
	57	Various type of muscles		
20	58	Various type of muscles	20	Study of structural differences between skeletal, smooth and cardiac muscles (permanent mounts) through demonstration.
	59	Muscle fatigue		
	60	Introduction to circulatory system		
21	61	Composition of blood	21	Study of structural differences between skeletal, smooth and cardiac muscles (permanent mounts) through demonstration.
	62	Anatomy & phy. of Heart		
	63	Anatomy & phy. of Heart		
22	64	Circulation of blood	22	Study of various parts of circulatory system through demonstration.
	65	Cardiac cycle		
	66	Conduction system of heart		
23	67	Blood pressure	23	Study of various parts of circulatory system through demonstration.
	68	Arteries and veins		
	69	Lymph and lymphatic system		
24	70	Revision	24	Examination of stained blood film for blood cells
	71	Revision		
	72	Assignment		
25	73	Test	25	Examination of stained blood film for blood cells
	74	Introduction of endocrine system		
	75	Various glands Peneal gland, Hypothalamus		
26	76	Pitutary gland, Salivary gland,	26	Estimation of blood pressure
	77	Parathyroid,		
	78	Ovary-testostron gland		
27	79	Adrinal gland	27	Estimation of blood pressure
	80	Pancreas		
	81	Thymus		
28	82	Revision of endocrine system	28	Study of various parts of reproductive system (male and female demonstration from models and charts)
	83	Introduction to reproductive system		
	84	Male reproductive system		
29	85	Female reproductive system	29	Study of various parts of reproductive system (male and female demonstration from models and charts)
	86	Ovarian cycle		
	87	Ovulation		
30	88	Fertilization	30	Study of various parts of reproductive

	89	Revision of reproductive system		system (male and female demonstration from models and charts)
	90	Test of endocrine and reproductive system		