

Subject Code: 1PT1010101	Subject Title: HUMAN ANATOMY
Pre-requisite Subject	- NONE -

Objectives of course:

1. Structure of human body in general.
2. The regional anatomy in detail
3. Anatomical changes right from embryonic period till old age
4. Understand histological features of various organs
5. Understand its application in medical science

Learning outcomes:

At the end of the course, the Candidate will be able to:

1. Acquire the knowledge of structure of human body in general.
2. Understand the regional anatomy in detail
3. Anatomical changes right from embryonic period till old age
4. Explain the histological features of various organs

Teaching Scheme (Hours)			Evaluation Scheme (Marks)					
Lecture	Practical	Total	Theory(T)		Practical(P)		Total Marks	
			University Assessment	Continuous Assessment	University Assessment	Continuous Assessment	Theory	Practical
125	175	300	80	20	80	20	100	100

Sr.No		Topic	Theory hours	Practical hours	Total Hours	Weight %
1		GENERAL ANATOMY	8	4	12	
	1/1	Introduction & anatomical terms				
	2/1	Skin, Superficial Fascia & deep fascia				
	3/1	CVS, Portal system, collateral Circulation & arteries				
	4/1	Lymphatic system				
	5/1	Osteology				
	6/1	Myology				
	7/1	Syndesmology (joints)				

	8/1	Nervous system				
2		MYOLOGY, OSTEOLOGY AND ARTHROLOGY	75	115	190	
	1/2	Fascia & muscles of scalp and face				
	2/2	Muscles of mastication				
	3/2	Temporomandibular joint				
	4/2	Muscles of orbit & related nerves				
	5/2	Superficial and lateral cervical muscle (platysma, trapezius, SCM)				
	6/2	Anterior triangle of neck-suprahyoid & Infrahyoid				
	7/2	Anterior and lateral vertebral muscles				
	8/2	Cervical plexus				
	9/2	Cranial nerve (7th & 8th)				
	10/2	Cranial nerve (9th , 10th , 11th , 12th)				
	11/2	Suboccipital triangle & suboccipital muscles				
	12/2	Joints of vertebral column to cranium				
	13/2	Muscles of thorax and movement of respiration				
	14/2	Joints of thorax including sternochondral & chondrocostal joints				
	15/2	Muscles of abdomen				
	16/2	Muscles of pelvis				
	17/2	Muscles of perineum				
	18/2	Vertebral joint				
	19/2	Joints of pelvis (lumbosacral, sacrococcygeal, pubic symphysis)				
	20/2	Deep muscles of back				
	21/2	Muscles connecting upper limb to vertebral column with regional structures				

	22/2	Scapular muscles including regional structures				
	23/2	Muscles of arm				
	24/2	Axilla and brachial plexus				
	25/2	Joints of shoulder girdle				
	26/2	Shoulder joint				
	27/2	Anterior antebrachial muscle (Front of forearm)with regional structure				
	28/2	Posterior antebrachial muscle (Back of forearm)with regional structure				
	29/2	Elbow joint & cubital fossa				
	30/2	Radioulnar joint (superior, middle and inferior)				
	31/2	The retinacula, fasci and Synovial sheath of wrist and hand				
	32/2	Muscles of hand				
	33/2	Radiocarpal/wrist joint				
	34/2	Other joints of hand				
	35/2	Muscles connecting lowerlimb to vertebral column with regional structures				
	36/2	Muscles of iliac region (Psoas muscle) and lumbar plexus				
	37/2	Anterior femoral muscles (front of thigh) including regional structures				
	38/2	Medial femoral muscles (adductor compartment) including regional structures				
	39/2	Muscles of gluteal region including regional structures				
	40/2	Posterior femoral muscles (Back of thigh) including regional structures				
	41/2	Hip joint				
	42/2	Anterior crural muscles including regional structures				
	43/2	Lateral crural muscles including regional structures				
	44/2	Posterior crural muscles including regional				

		structures				
	45/2	Knee joint				
	46/2	Popliteal fossa				
	47/2	Muscles of foot				
	48/2	Tibiofibular joint (superior, middle and inferior)				
	49/2	Talocrural joint (ankle joint)				
	50/2	Joints of foot & Arches				
3		NERVOUS SYSTEM	10	20	30	
	1/3	Introduction to nervous system & meninges				
	2/3	Spinal cord & peripheral nerves and vertebral canal				
	3/3	Brain stem-1				
	4/3	Brain stem-2				
	5/3	Cerebellum				
	6/3	Diencephalon with basal ganglia				
	7/3	Limbic system with olfactory region				
	8/3	Cerebrum & functional areas				
	9/3	Spinal tracts & overview of CNS – I				
	10/3	Spinal tracts & overview of CNS – II				
4	¼	RESPIRATORY SYSTEM	1	2	3	
5	1/5	DIGESTIVE SYSTEM	1	2	3	
6	1/6	URINARY SYSTEM	1	2	3	
7	1/7	ENDOCRINE SYSTEM	1	2	3	
8	1/8	REPRODUCTIVE SYSTEM	2	2	4	
9	1/9	SPECIAL SENSORY ORGANS AND SENSATIONS	COVERED IN OTHER PLACES			

10	1/10	CARDIOVASCULAR SYSTEM (Heart & Vessels)	1	2	3	
11	1/11	HISTOLOGY	12	24	36	
	2/11	Cell				
	3/11	Epithelia				
	4/11	Connective tissues				
	5/11	Cartilage				
	6/11	Bone				
	7/11	Muscles				
	8/11	Nerves				
	9/11	Blood & phagocytic systems				
	10/11	Lymph & lymphatic systems				
	11/11	Blood vessels				
	12/11	Skin & its appendages				
	13/11	Central nervous system				
12		General embryology	13	Covered in other system	13	
	1/12	Spermatogenesis				
	2/12	Structure of Spermatozoon				
	3/12	Oogenesis				
	4/12	Ovarian follicle				
	5/12	Fertilization				
	6/12	Formation of germ layers				
	7/12	Placental development				
	8/12	Brachial arches				
	9/12	Development of skeletal system				

	10/12	Development of all type muscular system				
	11/12	Development of locomotor system				
	12/12	Development of nervous system				
		Total	125	175	300	