

**MGM INSTITUTE OF HEALTH SCIENCES**

(Deemed University u/s 3 of UGC Act, 1956)

Grade 'A' Accredited by NAAC

**PhD CET Syllabus****Paper II - Subject Specific Test  
Anatomy**

<b>Unit</b>	<b>Topic</b>	<b>Sub topics</b>
<b>I</b>	<b>General Anatomy</b>	Terminology, Bone, Joints, Muscles, Cardiovascular system, Nervous System, Integumentary System.
<b>II</b>	a. <b>General Histology with Clinical Anatomy</b>	Epithelium and glandular tissue, Connective tissue, Skeletal system, Muscular system, Cardiovascular system, Nervous system, Lymphoid system, Integumentary System.
	b. <b>General Embryology with Clinical Anatomy</b>	Introduction to Embryology and cell cycles, Gametogenesis, Female reproductive Cycles, Fertilization, First week of development, Second week of development, Third week of development, Placenta
<b>III</b>	a. <b>Upper Limb with Clinical Anatomy</b>	Bones, Mammary Gland, Venous drainage of Upper limb, Pectoral Region, Axilla, Arm and Cubital Region, Back and Scapular regions, Forearm, Palm, Joints of Upper limb, Brachial plexus and Nerves of Upper limb.
	b. <b>Lower Limb with Clinical Anatomy</b>	Bones, Front & medial side of thigh, Gluteal region, back of thigh, Anterolateral compartment of leg & dorsum of foot, Back of Leg & Sole, General Features, Joints, Applied Joints

IV	a. <b>Thorax</b> with related systemic Histology, Embryology & Clinical Anatomy	Bones, Joints of Thorax, Thoracic cage, Intercostal spaces, Mechanism of respiration, Pericardium heart, Mediastinum, Oesophagus, Thoracic duct, Superior vena cava, azygos venous system, Aorta, Thoracic sympathetic chain, Pleura, Lung, Phrenic nerve, Diaphragm
	b. <b>Abdopelvis</b> with related systemic Histology, Embryology & Clinical Anatomy	Bone, Anterior & Posterior abdominal wall, Male reproductive system, Abdominal cavity, Pelvic wall and viscera, Perineum, Vertebral column, Sectional Anatomy
V	a. <b>Head, Neck &amp; Face</b> with related systemic Histology, Embryology & Clinical Anatomy	Bone, Scalp, Face & parotid region, Neck, Cranial cavity, Orbit, Temporal, Infra-temporal & sub-mandibular regions, Mouth, Pharynx & Palate, Nose & Larynx, Ear & Eye, Back, Joints
	b. <b>Neuroanatomy</b> with related systemic Histology, Embryology & Clinical Anatomy	Spinal cord, Meninges & CSF, Brain stem Cerebellum, Cerebrum, Ventricular System, ANS, Histology of Nervous System, Development of Nervous System
	c. <b>Genetics</b>	Mendel's Laws, Chromosomes, Barr Body, Karyotyping, Patterns of Inheritance, Prenatal diagnosis, Genetic Counseling, Genetic syndromes,
VI	<ul style="list-style-type: none"> <li>• <b>Recent advances</b> - Imaging techniques and principles, Stem cells,</li> <li>• <b>Plastination</b></li> <li>• <b>Histotechniques</b></li> <li>• <b>Embalming</b></li> <li>• <b>Museum techniques</b></li> </ul>	