

ANATOMY

MINOR

Note: For M. Phil programs in major subjects other than Anatomy, any ONE of the following learning Modules of Anatomy may be taken as a compulsory or elective minor:-

- ❖ *GROSS ANATOMY*
- ❖ *MICROANATOMY*
- ❖ *EMBRYOLOGY*
- ❖ *NEUROANATOMY*

**TABLE OF SPECIFICATIONS
GROSS ANATOMY**

MCQs: 100

100 Marks

Table of Specifications	MCQs
General Anatomy	5 (5%)
<i>Descriptive Anatomic Terms</i>	
<i>Terms Related to Position 2 Terms Related to Movement</i>	
<i>Basic Structures</i>	
<i>Skin</i>	
<i>Fasciae</i>	
<i>Muscle</i>	
<i>Joints</i>	
<i>Ligaments</i>	
<i>Bursae</i>	
<i>Synovial Sheath</i>	
<i>Blood Vessels</i>	
<i>Lymphatic System</i>	
<i>Nervous System</i>	
<i>Mucous Membranes Serous Membranes</i>	
<i>Bone</i>	
<i>Cartilage</i>	
<i>Effects of Sex, Race, and Age on Structure</i>	
<i>Radiographic Anatomy</i>	
Thorax	15 (15%)
<i>Muscles</i>	
<i>Arteries</i>	
<i>Veins</i>	
<i>Nerves</i>	
<i>Viscera</i>	
<i>Heart</i>	
<i>Oesophagus</i>	
<i>Trachea</i>	
<i>Lungs</i>	
<i>Pleura</i>	
<i>Lymphatic drainage</i>	
<i>Superior Mediastinum</i>	
<i>Inferior Mediastinum</i>	
<i>Joints</i>	

Abdomen	20 (20%)	
<i>Muscles</i>		
<i>Arteries</i>		
<i>Veins</i>		
<i>Nerves</i>		
<i>Viscera</i> <i>Stomach</i> <i>Small intestine</i> <i>Large Intestine</i> <i>Liver & gall bladder</i> <i>Spleen & Pancreas</i> <i>Kidney</i> <i>Testes</i>		
<i>Peritoneum</i> <i>Folds</i> <i>Ligament & greater & lesser sections</i>		
Pelvis		7 (7%)
<i>Muscles</i>		
<i>Arteries</i>		
<i>Veins</i>		
<i>Nerves</i>		
<i>Viscera</i> <i>Urinary Bladder</i> <i>Anal Canal</i> <i>Male: prostate, Seminal vesicles</i> <i>Female: uterus, uterine, tubes, vagina, ovary</i>		
<i>Peritoneum</i>		
<i>Lymphatic drainage</i>		
Perineum	3 (3%)	
<i>Muscles</i>		
<i>Arteries</i>		
<i>Veins</i>		
<i>Nerves</i>		
<i>Superficial & Deep pouches</i>		
<i>Lymphatic drainage</i>	10 (10%)	
Upper Limb		
<i>Muscles</i>		
<i>Arteries</i>		
<i>Veins</i>		
<i>Nerves</i>		
<i>Joints</i>		
<i>Lymphatic drainage</i>		
<i>Bones</i>		
<i>Miscellaneous</i>		

Lower Limb	10 (10%)
<i>Muscles</i>	
<i>Arteries</i>	
<i>Veins</i>	
<i>Nerves</i>	
<i>Joints</i>	
<i>Lymphatic drainage</i>	
<i>Bones</i>	
<i>Miscellaneous</i>	
Head and Neck	30 (30%)
<i>Muscles</i>	
<i>Arteries</i>	
<i>Veins</i>	
<i>Nerves</i>	
<i>Viscera</i>	
<i>Esophagus</i>	
<i>Larynx</i>	
<i>Pharynx</i>	
<i>Thyroid and Parathyroid</i>	
<i>Temporal & infra-temporal facial</i>	
<i>Scalp & Face</i>	
<i>Fascia</i>	
<i>Lymphatic drainage</i>	
<i>Cranial cavity</i>	
<i>Oral Cavity & Tongue</i>	
<i>Orbital cavity</i>	
<i>Joints</i>	
<i>Bones</i>	
<i>Eye Ball</i>	
<i>Ear</i>	
<i>Nose</i>	

TABLE OF SPECIFICATIONS

MICROANATOMY

MCQs: 100

100 Marks

<i>Table of Specifications</i>	<i>MCQs</i>
THE CELL	5 (5 %)
<i>Cell structure and function</i>	
<i>Cell cycle and replication</i>	
BASIC TISSUE TYPES	24 (24%)
Blood	
Supporting/connective tissues	
Epithelial tissues	
Muscle	
Nervous tissues	
ORGAN SYSTEMS	23 (23%)
Circulatory system	
Skin	
Skeletal tissues	
Immune system	
Respiratory system	28 (28%)
Oral tissues	
Gastrointestinal tract	
Liver and pancreas	
Urinary system	
The endocrine glands	20 (20%)
Male reproductive system	
Female reproductive system	
Central nervous system	
Special sense organs	

TABLE OF SPECIFICATIONS

NEUROANATOMY

MCQs: 100

100 Marks

<i>Table of Specificatins</i>	<i>MCOs</i>
General	10 (10%)
Introduction and Organization of the Nervous System	
The Neurobiology of the Neuron and the Neuroglia	
Nerve Fibers, Peripheral Nerves, Receptor and Effector Endings, Dermatomes, and Muscle Activity	
Spinal cord	20 (20%)
Spinal Cord gross anatomy	
Ascending and Descending Tracts	
Meninges and blood supply	12 (12%)
The Brainstem	
Medulla Oblongata: gross anatomy	
Medulla oblongata: internal structure	
Pons: gross anatomy	
Pons: internal structure	
Midbrain: gross anatomy	
Midbrain: internal structure	
Cerebellum	8 (8%)
Cerebellum: gross anatomy and	
Cerebellum: its Connections	
Cerebellum: its functions	25 (25%)
The Cerebrum	
Lobes and surfaces	
Structural and Functional Localization of cortical areas	
Reticular Formation	
Limbic System	
Basal Nuclei (Basal Ganglia): gross anatomy	
Basal Nuclei: their connections and functions	
Visual pathways	
Auditory pathways	
Upper motor neurons and lesions	
Lower motor neurons and lesions	
Thalamus and its connections	
Hypothalamus and its connections	
Cranial Nerve Nuclei: their location	
Cranial Nerve Nuclei: their connections & testing	
Cranial Nerve Nuclei: their distribution	
Autonomic Nervous System	
Meninges of the Brain	
Ventricular System	
Cerebrospinal Fluid	
Blood-Brain and Blood-Cerebrospinal Fluid Barriers	
The Blood Supply of the Brain	

TABLE OF SPECIFICATIONS

EMBRYOLOGY

MCQs: 100

100 Marks

<i>Table of Specifications</i>	<i>MCQs</i>	
General Embryology	30 (30%)	
Gametogenesis: in male		
Gametogenesis: in female		
Ovulation to Implantation		
Bilaminar Germ Disc		
Trilaminar Germ Disc		
The Embryonic Period		
Fetus and Placenta		
Birth Defects and Prenatal Diagnosis		
Special Embryology		40 (36%)
Skeletal System		
Muscular System		
Body Cavities		
Cardiovascular System		
Respiratory System		
Digestive System		
Urogenital System		
Head and Neck	30 (37%)	
Ear		
Eye		
Integumentary System		
Central Nervous System		
Spinal cord		
Telencephalon		
Diencephalon		
Mesencephalon		
Metencephalon		
Myelencephalon		