

M.Phil Morbid Anatomy & Histopathology (Part-I)

PAPER I

TABLE OF SPECIFICATIONS

The grey areas of the courses which cannot be covered or are difficult to cover in MCQ's shall be used for framing SEQ's, which may be split into two parts if necessary; attempt shall be made to avoid duplication between MCQ'S and SEQ's.

Topics	No. of MCQ's	No. of SEQ's
THE HEART: Heart failure Congenital Heart Disease Ischemic Heart Disease Hypertensive Heart Disease Valvular Heart Disease Cardiomyopathies Pericardial Disease Tumors of the Heart	05	0.5
BLOOD VESSELS: Arteriosclerosis Atherosclerosis Hypertensive Vascular Disease Aneurysms and Dissections Inflammatory Disease-The Vasculitides Reynaud Phenomenon Veins and Lymphatics Tumors and tumor like conditions Pathology of Vascular Interventions	05	0.5

<p>LYMPH NODES, SPLEEN</p> <p>Leukopenia</p> <p>Reactive Proliferation of white cells and nodes</p> <p>Neoplastic proliferations of white cells</p> <p>Splenomegaly</p> <p>Thymic Hyperplasia</p> <p>Thymomas</p> <p>Red Blood Cell And Bleeding Disorders:</p> <p>Anemias</p> <p>Bleeding Disorders</p> <p>Blood Groups</p> <p>Polycythemias</p>	10	1
<p>THE GASTROINTESTINAL TRACT:</p> <p>Esophagus</p> <p>Congenital Anomalies</p> <p>Lesions associated with Motor Dysfunctions</p> <p>Esophageal Varices</p> <p>Esophagitis</p> <p>Tumors</p> <p>Stomach</p> <p>Congenital Anomalies</p> <p>Gastritis</p> <p>Peptic Ulcer Disease</p> <p>Tumors</p> <p>Small and Large Intestines</p> <p>Congenital Anomalies</p> <p>Enterocolitis</p> <p>Malabsorption Syndromes</p> <p>Idiopathic Inflammatory Bowel Disease</p> <p>Vascular Disorders</p>	20	1

<p>Diverticular Disease</p> <p>Intestinal Obstruction</p> <p>Tumors of the Small and Large Intestine</p> <p>Appendix</p> <p>Acute Appendicitis</p> <p>Tumors of the Appendix</p> <p>Peritoneum</p> <p>Inflammation</p> <p>Tumors</p>		
<p>LIVER AND BILIARY TRACT:</p> <p>The Liver</p> <p>General Features of Hepatic Disease</p> <p>Infectious Disorders</p> <p>Autoimmune Hepatitis</p> <p>Drug and Toxin-Induced liver Disease</p> <p>Intrahepatic Biliary Tract Disease</p> <p>Circulatory Disorders</p> <p>Hepatic Disease Associated with Pregnancy</p> <p>Hepatic Complications of Organ or Bone Marrow Transplantation</p> <p>Nodules and Tumors</p> <p>The Biliary Tract</p> <p>Congenital Anomalies</p> <p>Disorders of the Gallbladder</p> <p>Disorders of the Extrahepatic Bile Ducts</p> <p>Tumors</p>	05	0.5
<p>THE PANCREAS:</p> <p>Congenital Anomalies</p> <p>Pancreatitis</p> <p>Non-Neoplastic Cysts</p>	05	0.5

Neoplasms		
BONES, JOINTS		
Bones Developmental and Acquired Abnormalities in Bone Cells, Matrix and Structure. Fractures Osteonecrosis Infections	10	1
Joints Arthritis, Tumors and Tumor like Lesions		
SOFT TISSUES		1
Fatty Tumors	10	
Fibrous Tumors and Tumor like lesions		
Fibrohistiocytic tumors		
Tumors of skeletal muscle		
Tumors of smooth muscle		
Synovial Sarcoma		
Tumors of Peripheral Nerves		
THE SKIN		
Disorders of Pigmentation and Melanocytes	05	0.5
Benign Epithelial Tumors		
Premalignant and Malignant Epidermal Tumors		
Tumors of the Dermis		
Acute Inflammatory Dermatitis		
Chronic Inflammatory Dermatitis		
Blistering (Bullous) Diseases		
Disorders of Epidermal Appendages		
Panniculitis		
Infection and Infestation		

THE ENDOCRINE SYSTEM:		
Pituitary Gland	05	0.5
Pituitary Adenomas and hyperpituitarism		
HypoPituitarism		
Posterior Pituitary Syndromes		
Hypothalamic Supra sellar Tumors		
Thyroid Gland		
Hyperthyroidism		
Hypothyroidism		
Thyroiditis		
Graves Disease		
Diffuse and Multinodular Goiter		
Neoplasms of the Thyroid		
Parathyroid Glands		
Hyperparathyroidism		
Hypoparathyroidism		
The Endocrine Pancreas		
Diabetes Mellitus		
Pancreatic Endocrine Neoplasm		
Adrenal Glands		
Adrenal Cortex		
Adrenal Medulla		
Multiple Endocrine Neoplasia		
Pineal Gland		

MCQ's = 80 Total Marks = 80
 SEQ's = 7 Total Marks = 70
Total Marks of the Paper = 150

Time = 90 Minutes
 Time = 90 Minutes
Total Time = 3 Hours

Grand Total	= 150
--------------------	--------------

M.Phil Morbid Anatomy & Histopathology (Part-I)

PAPER II

TABLE OF SPECIFICATIONS

The grey areas of the courses which cannot be covered or are difficult to cover in MCQ's shall be used for framing SEQ's, which may be split into two parts if necessary; attempt shall be made to avoid duplication between MCQ'S and SEQ's.

Topics	No. of MCQ's	No. of SEQ's
THE BREAST: The Female Breast Life Cycle Changes Disorders of Development Clinical Presentation of Breast Disease Inflammations Benign Epithelial Lesions Carcinoma of the Breast The Male Breast Gynecomastia Carcinoma	12	1
THE FEMALE GENITAL TRACT: Infections of the Female Genital Tract. Vulva Bartholin Cyst Vulvar Vestibulitis Non-Neoplastic Epithelial Disorders Neoplasms Vagina Congenital Anomalies Premalignant and Malignant Neoplasms Cervix Inflammations	15	1

<p>Inflammations</p> <p>Intraepithelial and Invasive Squamous Neoplasia</p> <p>Body of Uterus and Endometrium</p> <p>Endometrial Histology in the Menstrual Cycle</p> <p>Functional Endometrial Disorders</p> <p>Inflammation</p> <p>Endometriosis and Adenomyosis</p> <p>Endometrial Polyps</p> <p>Endometrial Hyperplasia</p> <p>Tumors of the Endometrium</p> <p>Tumors of the Myometrium</p> <p>Fallopian Tubes</p> <p>Inflammation</p> <p>Tumors and Cysts</p> <p>Ovaries</p> <p>Non-Neoplastic and Functional Cysts</p> <p>Ovarian Tumors</p> <p>Gestational and Placental Disorders</p> <p>Disorders of Early Pregnancy</p> <p>Disorders of Late Pregnancy</p> <p>Gestational Trophoblastic Disease</p>		
<p>MALE GENITAL TRACT</p> <p>Testis and Epididymis</p> <p>Congenital Anomalies</p> <p>Regressive Changes</p> <p>Inflammation</p> <p>Vascular Disturbances</p> <p>Testicular Tumors</p> <p>Miscellaneous Lesions of Tunica Vaginalis</p> <p>Prostate</p>	10	1

Inflammation Benign Enlargement Tumors		
URINARY BLADDER & LOWER URINARY TRACT SYSTEM:	05	0.5
Ureter Congenital Anomalies Inflammation Tumors and tumor like lesion Obstructive Lesions		
Urinary Bladder Congenital Anomalies Inflammations Metaplastic Lesions Neoplasms		
Urethra Inflammations Tumors and tumor like lesions		
THE KIDNEY: Clinical Manifestations of Renal Diseases Congenital Anomalies Cystic Diseases of the Kidney Glomerular Diseases Diseases Affecting Tubules and Interstitium Diseases of Blood Vessels Urinary Tract Obstruction Urolithiasis Tumors of the Kidney	10	1
THE CENTRAL NERVOUS SYSTEM: Cellular Pathology of the Central Nervous System	05	1

Cerebral Edema, Raised intracranial pressure and herniation and hydrocephalus		
Hypoxia, Ischemia and Infection		
Intracranial Hemorrhage		
Hypertensive Cerebrovascular Disease		
Infections		
Prion Diseases		
Demyelinating Diseases		
Degenerative Diseases		
Genetic Metabolic Diseases		
Toxic and Acquired Metabolic Diseases		
Tumors		

<p>PERIPHERAL NERVE AND SKELETAL MUSCLE:</p> <p>Diseases of Peripheral Nerves.</p> <p>Inflammatory Neuropathies</p> <p>Infectious Polyneuropathies</p> <p>Hereditary Neuropathies</p> <p>Acquired Metabolic and Toxic neuropathies</p> <p>Diseases of Skeletal Muscle</p> <p>Muscular Dystrophies</p> <p>Myopathies</p> <p>Diseases of the Neuromuscular Function</p> <p>Tumors of Skeletal Muscles</p>	05	0.5
<p>HEAD AND NECK:</p> <p>Oral Cavity</p> <p>Infections, Tumors and Precancerous Lesions</p> <p>Upper Airways</p> <p>Nose</p> <p>Nasopharynx</p> <p>Tumors of the Nose, Sinuses and Nasopharynx</p> <p>Larynx</p> <p>Ears</p> <p>Inflammatory Lesions</p> <p>Osteosclerosis</p> <p>Tumors</p> <p>Neck</p> <p>Bronchial Cyst</p> <p>Thyroglossal Tract Cyst</p> <p>Paraganglioma</p> <p>Salivary Glands</p> <p>Xerostomia</p> <p>Inflammation</p>	08	0.5

Neoplasm		
THE LUNG	05	0.5
Atelectasis		
Acute Lung Injury		
Obstructive Pulmonary Disease		
Diffuse Interstitial (Infiltrative, Restrictive) Disease		
Diseases of Vascular Origin		
Pulmonary Infections		
Tumors		
Pleura		

<p>Eye</p> <p>Orbit</p> <p>Functional anatomy and proptosis</p> <p>Thyroid ophthalmopathy (graves disease)</p> <p>other orbital inflammatory conditions</p> <p>Neoplasms</p> <p>Eyelid</p> <p>Functional anatomy</p> <p>Neoplasms</p> <p>Conjunctiva</p> <p>Functional anatomy</p> <p>Conjunctival scarring</p> <p>Pinguecula and pterygium</p> <p>Neoplasms</p> <p>Sclera</p> <p>Cornea</p> <p>Functional anatomy</p> <p>Keratitis and ulcers</p> <p>Corneal degenerations and dystrophies</p> <p>Anterior Segment</p> <p>Functional anatomy</p> <p>Cataract</p> <p>The anterior segment and glaucoma</p> <p>Endophthalmitis and panophthalmitis</p> <p>Uvea</p> <p>UVEITIS</p>	<p>05</p>	<p>Nil</p>
---	-----------	------------

Neoplasms		
Retina and Vitreous		
Functional anatomy		
Retinal detachment		
Retinal vascular disease		
Hypertension		
Diabetes Mellitus		
Age-related macular degeneration		
Other retinal degenerations		
Retinitis		
Retinal neoplasms		
Optic Nerve		
Anterior ischemic optic neuropathy		
Papilledema		
Glaucomatous optic nerve damage		
Other optic neuropathies		
Optic neuritis		

MCQ's = 80 Total Marks = 80
 SEQ's = 7 Total Marks = 70
Total Marks of the Paper = 150

Time = 90 Minutes
 Time = 90 Minutes
Total Time = 3 Hours

Grand Total	= 150
--------------------	--------------