

Anatomy M.S

POST GRADUATE DEGREE STANDARD

I UPPER LIMB

Pectoral region including mammary gland
Shoulder and Scapular region
Axilla
Arm
Fore arm
Hand-Palm and Dorsum
Bones, Joints and Radiology of Upper limb
Surface Anatomy of Upper limb

II LOWER LIMB

Front of thigh
Gluteal region
Medial side of thigh
Back of thigh including popliteal fossa
Compartments of leg
Foot-Sole and Dorsum
Bone, Joints of Lower Limb including arches of foot and mechanism of walking.
Radiology of Lower limb
Surface Anatomy of Lower Limbs

III ABDOMEN

Anterior abdominal wall including Inguinal region
Posterior abdominal wall including abdominal Diaphragm
Peritonium-Reflections and Recesses
Gastro intestinal tract including liver, Extra hepatic biliary apparatus,pancreas and spleen
Kidneys, Ureters and Supra renal gland
Blood supply and lymphatics of above structures
Radiology of abdomen
Surface anatomy of abdominal organs

IV PELVIS

Muscles of pelvis including pelvic diaphragm
Peritonium-reflections and pouches of male and female
Pelvic facid and its modifications
Urinary bladder, prostate and seminal vesicles
Uterus, fallopian tube and ovaries
Rectum and Anal canal
Blood supply and Lymphatics of pelvis
Bones and Joints of Pelvis
Radiology of pelvis

V PERINEUM

External Genitalia of male and female
Perineal membrane, Perineal body
Perineal pouches, Superficial and Deep including uro Genital diaphragm
Ischiorectal fossa and anal sphincters

VI GENERAL EMBRYOLOGY

Gametogenesis
Fertilization
Germinal Period

Embryonic period
Foetal period
Placenta and Umbilical cord
Foetal Membranes
Foetal circulation
Karyotyping
Classification
Aberrations - Numerical and structural
Gene Mutation
Disorders-congenital foetal anomalies and teratology
Genetic Engineering

VII GENERAL HISTOLOGY

Cell and its inclusions
Epithelium
Connective tissue including Cartilage and Bone
Muscle
Nervous tissue
Blood Vessels
Lymphoid tissue
Skin

VIII SPECIAL EMBRYOLOGY

Of Upper limb Lower limb, abdomen, Pelvis and Perineum
SPECIAL HISTOLOGY
Of abdomen, pelvis and perineum

IX CLINICAL ANATOMY OF REGIONS

Upper limb, lower limb, abdomen, pelvis and Perineum
Important surgical approaches

X CROSS SECTIONAL ANATOMY

Of Upper limb, Lower, Limb Abdomen and Pelvis

PAPER - II

I Head and Neck

Scalp and face
Cervical fascia and facial spaces in the neck.
Triangles of the neck including sub-occipital triangle
Temporal and Infra temporal region
Mouth & Oral cavity - Tongue and Tonsil
Nasal cavity and Paranasal air sinuses.
Pharynx & Larynx - Cervical part of Trachea & Oesophagus
Cranial fossae, including the meninges
Exocrine and Endocrine glands of Head and Neck
Bony orbit & extra ocular muscles
Blood supply, Nerve Supply and Lymphatic Drainage of Head and Neck
Bones and Joints of Hd&NK

THORAX

II Intercostal spaces & Contents - Typical and Atypical intercostal nerves
Mediastinum & its sub divisions
Lungs - Bronchopulmonary segments - pleural reflections and recesses
Heart - Including pericardium & Blood supply
Superior Mediastinum and its contents

Posterior Mediastinum - Contents
Blood supply & Lymphatic Drainage of Thorax
Bones and Joints of Thorax

III C.N.S. - Brain & Spinal Cord & special senses Blood supply of Brain
Brain stem - External & Internal features
Cerebellum & its connections
Cerebrum - Sulci & gyri & functional areas - Interpeduncular fossa
White matter of cerebrum
Deep Nuclei of cerebrum
Ventricles - CSF circulation
Coverings and Blood supply of spinal cord
Crosssection of different levels
Ascending and descending tracts of spinal cord
Eye-ball - including its blood supply and nerve supply
Nose - Nasal mucosa & pathway of smell
Tongue - Receptors of Taste & its pathway
Ear - External, Middle, Internal ear - Vestibulo cochlear apparatus
Skin - Types of sensory receptors, sensory pathway.

IV Peripheral Nerve System
Spinal nerves & Nerve plexes
Cranial nerves - Nuclear origin course and distribution
Autonomic N.S
Sympathatic & Parasympathatic system

V Special Histology of organs of Head and Neck Thorax, Brain & Spinal cord

VI Special Embryology of organs of Head & Neck Thorax, Brain Spinal cord

VII Radiology pertaining to Head & Neck Thorax and Brain
Contrast techniques - Relevant to the Head and Neck Thorax, Brain & Spinal cord

VIII Cross sectional Anatomy of Head & Neck Thorax, Brain & Spinal cord
IX Surface Anatomy of important glands, organs, blood vessels, nerves of Head & Neck Thorax, Brain and Spinal cord including Bony landmarks.
X Clinical Anatomy of Head and Neck Thorax, Brain Spinal Cord including surgical approaches of important structure of Head & Neck Thorax, Brain and Spinal cord