

Annexure-2 (First professional year subjects)

Topic wise division of paper A and B of First professional year subjects with two theory papers based on MCI competency tables for subjects. Please follow the MCI competency-based curriculum volume 1 given on MCI website for competencies under each topic.

Subject	Paper A topics	Paper B topics
Anatomy	<p>Below mentioned topics related to General anatomy:</p> <ul style="list-style-type: none"> Anatomical terminology General features of bones & Joints General features of Muscle General features of skin and fascia General features of the cardiovascular system General Features of lymphatic system Introduction to the nervous system <p>Below mentioned topics related to Upper limb:</p> <ul style="list-style-type: none"> Pectoral region Axilla, Shoulder and Scapular region Arm & Cubital fossa Forearm & hand Related embryology Features of individual bones (Upper Limb) General Features, Joints, radiographs & surface marking <p>Below mentioned topics related to Head & Neck:</p> <ul style="list-style-type: none"> Skull osteology Scalp Face & parotid region Posterior triangle of neck 	<p>Below mentioned topics related to Lower limb:</p> <ul style="list-style-type: none"> Front & Medial side of thigh Gluteal region & back of thigh Hip Joint Knee joint, Anterior compartment of leg & dorsum of foot Back of Leg & Sole Features of Individual bones(lower limb) Related embryology General Features, Joints, radiographs & surface marking <p>Below mentioned topics related to Thorax region:</p> <ul style="list-style-type: none"> Thoracic cage Heart & Pericardium Mediastinum and its contents Lungs & Trachea Thorax Related histology Related embryology <p>Below mentioned topics related to Abdomen:</p> <ul style="list-style-type: none"> Anterior abdominal wall Posterior abdominal wall Abdominal cavity

	<p>Anterior Triangle</p> <p>Cranial cavity</p> <p>Orbit</p> <p>Temporal and Infratemporal regions</p> <p>Submandibular region</p> <p>Deep structures in the neck</p> <p>Mouth, Pharynx & Palate</p> <p>Cavity of Nose</p> <p>Larynx</p> <p>Tongue</p> <p>Organs of hearing and equilibrium</p> <p>Eyeball</p> <p>Back Region</p> <p>Head & neck Joints, Histology, Development, Radiography & Surface marking</p> <p>Below mentioned topics related to Neuroanatomy:</p> <p>Meninges & CSF</p> <p>Spinal Cord</p> <p>Medulla Oblongata</p> <p>Pons</p> <p>Cerebellum</p> <p>Midbrain</p> <p>Cranial nerve nuclei & Cerebral hemispheres</p> <p>Ventricular System</p> <p>Histology & Embryology</p> <p>Below mentioned topics related to General histology:</p>	<p>Pelvic wall and viscera</p> <p>Perineum</p> <p>Male external genitalia</p> <p>Vertebral column</p> <p>Sectional Anatomy</p> <p>Related Histology & Embryology</p> <p>Osteology</p> <p>Radiodiagnosis</p> <p>Surface marking</p> <p>Below mentioned topics related to Genetics:</p> <p>Chromosomes</p> <p>Patterns of Inheritance</p> <p>Principle of Genetics, Chromosomal Aberrations & Clinical Genetics</p> <p>Below mentioned topics related to General embryology:</p> <p>Introduction to embryology</p> <p>Gametogenesis and fertilization</p> <p>Second week of development</p> <p>3rd to 8th week of development</p> <p>Fetal membranes</p> <p>Placenta</p> <p>Prenatal Diagnosis</p>
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	<p>Epithelium histology</p> <p>Connective tissue histology</p> <p>Muscle histology</p> <p>Nervous tissue histology</p> <p>Blood Vessels</p> <p>Glands & Lymphoid tissue</p> <p>Bone & Cartilage</p> <p>Integumentary System</p>	
Physiology	<p>General Physiology</p> <p>Nerve & Muscle physiology</p> <p>Neurophysiology</p> <p>Endocrine,</p> <p>Reproductive physiology</p>	<p>CVS</p> <p>Hematology</p> <p>Renal</p> <p>Gastrointestinal</p> <p>Respiratory</p> <p>Integrated Physiology</p>
Biochemistry	<p>Basic Biochemistry</p> <p>Enzymes</p> <p>Chemistry and Metabolism of Carbohydrates</p> <p>Chemistry and Metabolism of Lipids</p> <p>Chemistry and Metabolism of Proteins</p> <p>Metabolism and homeostasis (BI 6.1, 6.5, 6.6)</p>	<p>Nutrition</p> <p>Metabolism and homeostasis (BI 6.2-6.4, 6.7-6.13)</p> <p>Molecular Biology</p> <p>Extracellular Matrix</p> <p>Oncogenesis & Immunity</p> <p>Biochemical Lab tests</p>

Division for 2nd and final prof. will be added later after finalization