

COMPETENCY BASED CURRICULUM

FIRST MBBS DEGREE COURSE

FROM THE ACADEMIC YEAR 2019-2020 ONWARDS

HUMAN ANATOMY

Paper I

1. General Anatomy
2. General Embryology
3. General Histology
4. Upper Limb
5. Lower Limb
6. Abdomen and Pelvis

(Along with related Embryology and Related Histology)

Paper II

1. Genetics
2. Thorax
3. Head and Neck
4. Neuroanatomy

(Along with related Embryology and Related Histology)

PHYSIOLOGY

Physiology I

1. General Physiology
2. Haematology
3. Nerve and Muscle physiology
4. Gastrointestinal physiology
5. Renal physiology
6. Endocrine Physiology
7. Reproductive Physiology

Physiology II

1. Respiratory Physiology
2. Cardiovascular Physiology
3. Neurophysiology (Central Nervous System and Special Senses)

BIOCHEMISTRY

Biochemistry I

1. Molecular and functional organisation of cell and its subcellular components
2. Chemistry, Digestion and absorption of carbohydrates and disorders of Carbohydrate metabolism
3. Chemistry, Digestion and absorption of lipids and disorders of lipid metabolism
4. Enzymes
5. Vitamins
6. Electron Transport chain and Biological oxidation
7. Citric acid cycle and metabolic integration
8. Nutrition
9. Heme synthesis, Porphyrins, Hemoglobin and metabolism of Bilirubin

Biochemistry II

1. Chemistry, Digestion and absorption of proteins and inborn errors in protein metabolism
2. Chemistry of Purines, Metabolism of Purines, Hyperuricemias
3. Molecular Biology
4. Maintenance of Fluids and Electrolytes
5. Maintenance of pH and Acid base disorders
6. Xenobiotics and cancer chemistry
7. Minerals
8. Hormones
9. Laboratory instrumentation, Investigation and Interpretation