SECTION “A”
EXAM TIMETABLE & SYLLABUS

EXAMS DATES

BIOCHEMISTRY ..................... 15th JUNE
ANATOMY ......................... 16th JUNE
PHYSIOLOGY ..................... 17th JUNE
HISTOLOGY ...................... 18th JUNE

SUBJECT WISE SYLLABUS

BIOCHEMISTRY

1. CARBOHYDRATE
   A. STRUCTURE AND FUNCTION

2. LIPIDS
   A. STRUCTURE AND FUNCTION
   B. SYNTHESIS AND OXIDATION
   C. TRANSPORT AND STORAGE

3. PROTEIN
   A. STRUCTURE AND FUNCTION
   B. CATABOLISM OF AMINO NITROGEN AND UREA CYCLE
   C. CATABOLISM OF CARBON SKELETONS
   D. CONVERSION TO SPECIAL PRODUCTS
   E. SYNTHESIS OF NON-ESSENTIAL AMINO ACIDS

4. NUCLEIC ACIDS
   A. STRUCTURE AND FUNCTION
   B. DNA SYNTHESIS AND REPLICATION
   C. RNA TRANSCRIPTION
   D. PROTEIN SYNTHESIS

ANATOMY

SKELETAL SYSTEM | CEREBRUM AND CEREBELLOM | BRAINSTEM AND Diencephalon

PHYSIOLOGY

FUNCTIONAL ORGANIZATION OF THE CELL
   SIGNAL TRANSDUCTION
   REGULATION OF GENE EXPRESSION
   TRANSPORT OF SOLUTES & WATER
   ELECTROPHYSIOLOGY OF THE CELL MEMBRANE

ELECTRICAL EXCITABILITY & ACTION POTENTIALS
   SYNAPTIC TRANSMISSION & THE NEUROMUSCULAR JUNCTION
   CELLULAR PHYSIOLOGY OF SKELETAL MUSCLE
   CELLULAR PHYSIOLOGY OF CARDIAC MUSCLE
   CELLULAR PHYSIOLOGY OF SMOOTH MUSCLE

HISTOLOGY

EPITHELIUM
   CONNECTIVE | BONE | CARTILAGE | LYMPHATICS
   ENDOCRINE | DIGESTIVE PARTS 1, 2 & 3 | MUSCLE | NERVOUS

ADIPOSE
   EPITHELIUM | CONNECTIVE | BONE | CARTILAGE | LYMPHATICS
   ENDOCRINE | DIGESTIVE PARTS 1 & 2 | MUSCLE | NERVOUS