**1st PROFESSIONAL MBBS UNIVERSITY EXAMINATION**

**A.THEORY-(Total 200Marks):**

Two papers of 3 hours duration and 100 marks each.

**Distribution of chapters for sections and papers**

**Paper‐I (100marks)**

Cell biology, structures of biological membranes, chemistry of macromolecules (carbohydrates, lipids, amino acids & proteins), Enzyme and enzyme kinetics with isoenzymes (application in medicine). Hemoglobin, myoglobin, plasma proteins, nucleic acid biochemistry.

Nutrition and dietetics, bioenergetics and biological oxidation, PH & Buffer, Regulation of Acid Base Balance, hormones, water & electrolyte balance, vitamins and coenzymes, radioisotopes and its application in medicine.

**Paper‐II (100marks)**

Metabolism of carbohydrates, protein, amino acid, lipids, nucleotides, and mineral metabolism, inborn errors of metabolism.

Molecular biology& molecular diagnostictecniques, Immunology, Function test‐ Gastric, Renal, Liver, Thyroid, Environmental biochemistry, Cancer biochemistry and Xenobiotics.