Contents

Chapter – 1 : Fluids Lymph; CSF; Ascitic Fluid; Pleural Fluid; Pericardial Fluid	1-9
Chapter – 2 : Metabolism of special tissues Muscle; Bone; Connective Tissue; Brain; Adipose Tissue	10-23
Chapter – 3 : Biochemistry of Diseases Diabetes Mellitus; Atherosclerosis; Fatty Liver; Obesity	24-56
Chapter – 4 : Organ Function Tests Liver; Kidney; Gastric; Thyroid; Adrenal; Pancreatic	57-93
Chapter – 5 : Physiological Conditions Aging; Pregnancy and Lactation	93-108
Chapter – 6 : Laboratory Internal Quality Control; External Quality Control; Accredition of Laboratories; Prof Testing; Biohazards in Clinical Laboratory; POCT	109-147 iciency
Chapter – 7 : Miscellaneous Phospholipid; Isoenzyme; Clinical application of Enzymes; Nitric Oxide; Free radica antioxidants	148-171 Il and
Chapter - 8 : Nutrition172-203Calorimetry; Basal Metabolic Rate (BMR); Specific Dynamic Action (SDA); Balanced Diet; Protein Energy Malnutrition (PEM); Diet in Management of Coronary Artery Disease; Role of Diet in Cancer; Dietary modification in renal disease; Diet in Diabetes; Diet in Management of Anemia; Metabolic response to starvation; Food additives; Natural toxins of food	
Chapter - 9 : Instruments204-283Colorimeter; Ultraviolet and visible spectrometry; Turbidimetry and nephelometry; Fluorometry; Phosphorescence spectrophotometry; Flame photometer; Atomic absorption spectroscopy; Ultracentrifugation; Electrophoresis; Chromatography; Blood gas analyzer; Basics of biophysical chemistry; Mass Spectrometry; NMR; Chemiluminiscence; Electron microscopy; Ion selective electrodes; Laboratory robots	
Chapter – 10 : Genetics	284-411
Chapter – 11 : Practicals	412-487
Chapter – 12 : Thesis Writing	488-496