

SYLLABUS :-

Chemistry and metabolism of biopolymers (Carbohydrates; lipids; proteins; nucleic acids and nucleoproteins), vitamins and hormones. Amino acid, Primary, Secondary, tertiary and quaternary structure of proteins. Nutritional aspects of lipids; carbohydrates and proteins. Physiological functions of vitamins; minerals and hormones. Enzymes and co-enzymes. Glycolytic pathway and TCA cycle. Electron transport and oxidative phosphorylation. Plant and microbial biochemistry - photosynthesis, Difference in respiratory mechanisms of aerobes and anaerobes.