

PGDBI - 5
BIOCHEMISTRY

Units

Topics

- | Units | Topics |
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| 1 | <p>Amino Acid Metabolism</p> <ul style="list-style-type: none">◆ Definition of Metabolism◆ Amino Acid Metabolism◆ Intracellular Protein Degradation◆ Deamination of Amino Acids◆ The Urea Cycle◆ Breakdown of Amino Acids◆ Nitrogen Fixation◆ Biosynthesis of Essential and Non-Essential Amino Acids |
| 2 | <p>Carbohydrates</p> <ul style="list-style-type: none">◆ Classification◆ Glycoside Formation◆ Polysaccharides◆ Carbohydrate Metabolism◆ Pentose Phosphate Pathway◆ Gluconeogenesis◆ Glycogen Synthesis◆ TCA Cycle◆ Regulation of Carbohydrate Metabolism◆ Regulation of the TCA Cycle◆ Electron Transport Chain & Oxidative Phosphorylation◆ Thermodynamic Principles in Biology & Energy Rich Bond◆ Metabolic Disorders |
| 3 | <p>Lipid Metabolism</p> <ul style="list-style-type: none">◆ General Reactions and Functions of Lipids◆ Catabolism of Lipids◆ Biosynthesis of Lipids◆ Metabolic Disorders |
| 4 | <p>Inborn Errors of Metabolism</p> <ul style="list-style-type: none">◆ Metabolism◆ Inborn Errors of Metabolism◆ Metabolic Pathways◆ Genetic Disorders◆ Classification of Inborn Errors of Metabolism◆ Tests of Biochemical Homeostasis◆ Hereditary Orotic Aciduria◆ A List of Diseases Caused by Inborn Errors in Metabolism |