

Contents

1. Cell	1
2. Plasma Membrane and Transport.....	7
3. Biophysics	13
4. Water and Electrolyte Balance	20
5. Enzymes	26
6. Biological Oxidation	39
7. Carbohydrate Chemistry	48
8. Lipid Chemistry	59
9. Protein and Amino Acid Chemistry	69
10. Carbohydrate Metabolism.....	78
11. Lipid Metabolism.....	102
12. Protein Metabolism	121
13. Integration of Metabolism.....	143
14. Vitamins	152
15. Mineral Metabolism.....	166
16. Heme Metabolism	184
17. Nutrition	193
18. Nucleic Acids	210
19. Hormones	217
20. Connective Tissue	226
21. Muscle Tissue.....	230
22. Nerve Tissue.....	234
23. Quality Control	240
24. Radio Isotopes.....	244
25. Biochemical Investigations and their Interpretation	248