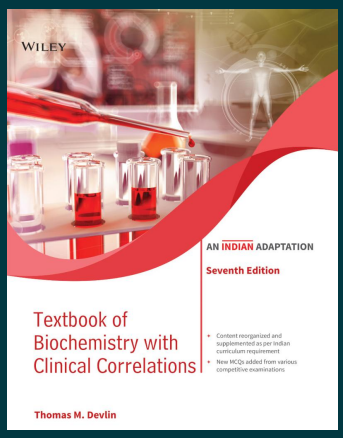
WILEY



Textbook of Biochemistry with Clinical Correlations, 7ed (An Indian Adaptation)

By Thomas M. Devlin

Paperback 9789354641558 ₹- Price

Pages: 1248

Description

This book presents a clear and precise discussion of the biochemistry of eukaryotic cells, particularly those of mammalian tissues, relates biochemical events at a cellular level to the subsequent physiological processes in the whole animal, and cites examples of abnormal biochemical processes in human disease. The organization and content are tied together to provide students with a complete picture of biochemistry and how it relates to human diseases. This Indian adaptation of the Textbook of Biochemistry with Clinical Correlation, seventh edition, has been developed based on the detailed feedback obtained from long-standing users of the book about how the book should be revised.

About the Author

Thomas M. Devlin

Dr. Arunima Biswas

Assistant Professor, Department of Zoology, University of Kalyani

Table of Contents

Part I Structure Of Macromolecules

1 Eukaryotic Cell Structure

2 DNA and RNA: Composition and Structure

3 Proteins I: Composition and Structure

Part II Transmission Of Information

4 DNA Replication, Recombination, and Repair

5 RNA: Transcription and RNA Processing

6 Protein Synthesis: Translation and Posttranslational Modifications

7 Recombinant DNA and Biotechnology

8 Regulation of Gene Expression

Part III Functions Of Proteins

9 Proteins II: Structure–Function Relationships in Protein Families

10 Enzymes: Classification, Kinetics, and Control

11 Biological Membranes: Structure, Receptors, and Solute Transport

12 Fundamentals of Signal Transduction

Part IV Metabolic Pathways And Their Control

13 Bioenergetics, and Oxidative Metabolism

14 Carbohydrate Metabolism I: Major Metabolic Pathways and Their Control

15 Carbohydrate Metabolism II: Special Pathways and Glycoconjugates

16 Lipid Metabolism I: Synthesis, Storage, and Utilization of Fatty Acids and Triacylglycerols

17 Lipid Metabolism II: Pathways of Metabolism of Special Lipids

18 Amino Acid and Heme Metabolism

19 Purine and Pyrimidine Nucleotide Metabolism

20 Metabolic Interrelationships

21 Biochemistry of Hormones

Part V Physiological Processes

22 Molecular Cell Biology

23 Cell Cycle, Programmed Cell Death and Cancer

24 Digestion and Absorption of Basic Nutritional Constituents

25 Vitamins and Minerals: Requirements and Function

26 Macronutrients: Metabolic Effects and Health Implications

Appendix: Review of Organic Chemistry

Glossary

Index

To purchase this product, please visit:
https://www.wileyindia.com/textbook-of-biochemistry-with-clinical-correlations-7ed-an-indian-adaptation.html

Scan to buy