

Contents

Recent Pattern Questions 2019 At a Glance ----- xi

UNIT I CONCEPTS IN BIOCHEMISTRY

Chapter 1. Concepts in Biochemistry -----	3-26
<i>Theory</i> -----	3
<i>Multiple Choice Questions</i> -----	18
<i>Answers and Explanations</i> -----	20

UNIT II CARBOHYDRATES

Chapter 2. Chemistry of Carbohydrates -----	29-54
<i>Theory</i> -----	29
<i>Multiple Choice Questions</i> -----	46
<i>Answers and Explanations</i> -----	49
Chapter 3. Carbohydrate Metabolism -----	55-118
<i>Theory</i> -----	55
<i>Multiple Choice Questions</i> -----	93
<i>Answers and Explanations</i> -----	103

UNIT III ENZYMES, AMINO ACIDS AND PROTEINS

Chapter 4. Enzymes -----	119-146
<i>Theory</i> -----	121
<i>Multiple Choice Questions</i> -----	139
<i>Answers and Explanations</i> -----	142
Chapter 5. Chemistry and Metabolism of Amino Acids -----	147-183
<i>Theory</i> -----	147
<i>Multiple Choice Questions</i> -----	174
<i>Answers and Explanations</i> -----	177
Chapter 6. Urea Cycle -----	184-196
<i>Theory</i> -----	184
<i>Multiple Choice Questions</i> -----	192
<i>Answers and Explanations</i> -----	194
Chapter 7. Proteins -----	197-224
<i>Theory</i> -----	197
<i>Multiple Choice Questions</i> -----	214
<i>Answers and Explanations</i> -----	218

UNIT IV LIPIDS

Chapter 8. Chemistry of Lipids	225-242
<i>Theory</i>	227
<i>Multiple Choice Questions</i>	236
<i>Answers and Explanations</i>	239
Chapter 9. Lipoproteins	243-255
<i>Theory</i>	243
<i>Multiple Choice Questions</i>	250
<i>Answers and Explanations</i>	252
Chapter 10. Metabolism of Lipids	256-278
<i>Theory</i>	256
<i>Multiple Choice Questions</i>	270
<i>Answers and Explanations</i>	273

UNIT V MOLECULAR BIOLOGY

Chapter 11. Chemistry and Metabolism of Nucleotides	279-293
<i>Theory</i>	281
<i>Multiple Choice Questions</i>	289
<i>Answers and Explanations</i>	291
Chapter 12. Basics in Genetics	294-321
<i>Theory</i>	294
<i>Multiple Choice Questions</i>	310
<i>Answers and Explanations</i>	314
Chapter 13. Replication, Transcription, Translation	322-350
<i>Theory</i>	322
<i>Multiple Choice Questions</i>	339
<i>Answers and Explanations</i>	343
Chapter 14. Techniques in Molecular Biology	351-374
<i>Theory</i>	351
<i>Multiple Choice Questions</i>	365
<i>Answers and Explanations</i>	368

UNIT VI MISCELLANEOUS

Chapter 15. Miscellaneous	375-412
<i>Theory</i>	377
<i>Multiple Choice Questions</i>	398
<i>Answers and Explanations</i>	403
<i>Extra Edge Tables</i>	413-416
<i>Image-Based Questions</i>	417-456