

Contents

UNIT I: The Microbial World

- Chapter 1:** Introduction to Microbiology...1
 - Chapter 2:** Normal Flora...7
 - Chapter 3:** Pathogenicity of Microorganisms...11
 - Chapter 4:** Diagnostic Microbiology...19
 - Chapter 5:** Vaccines and Antimicrobial Agents...33
-

UNIT II: Bacteria

- Chapter 6:** Bacterial Structure, Growth, and Metabolism...49
 - Chapter 7:** Bacterial Genetics...59
 - Chapter 8:** Staphylococci...69
 - Chapter 9:** Streptococci...80
 - Chapter 10:** Gram-Positive Rods...93
 - Chapter 11:** Neisseriae...103
 - Chapter 12:** Gastrointestinal Gram-Negative Rods...114
 - Chapter 13:** Other Gram-Negative Rods...132
 - Chapter 14:** Clostridia and Other Anaerobic Rods...151
 - Chapter 15:** Spirochetes...163
 - Chapter 16:** Mycoplasma...173
 - Chapter 17:** Chlamydiae...179
 - Chapter 18:** Mycobacteria and Actinomycetes...188
 - Chapter 19:** *Rickettsia*, *Ehrlichia*, *Anaplasma*, and *Coxiella*...201
-

UNIT III: Fungi and Parasites

- Chapter 20:** Fungi...209
 - Chapter 21:** Protozoa...223
 - Chapter 22:** Helminths...234
-

UNIT IV: Viruses

- Chapter 23:** Introduction to the Viruses...241
 - Chapter 24:** Nonenveloped DNA Viruses...253
 - Chapter 25:** Enveloped DNA Viruses...263
 - Chapter 26:** Hepatitis B and Hepatitis D (Delta) Viruses...281
 - Chapter 27:** Positive-Strand RNA Viruses...291
 - Chapter 28:** Retroviruses...302
 - Chapter 29:** Negative-Strand RNA Viruses...319
 - Chapter 30:** Double-Stranded RNA Viruses: *Reoviridae*...333
 - Chapter 31:** Unconventional Infectious Agents...337
-

UNIT V: Clinical Microbiology Review

- Chapter 32:** Quick Review of Clinically Important Microorganisms...341
- Chapter 33:** Disease Summaries...377
- Chapter 34:** Illustrated Case Studies...404
- Index...431
- Figure Sources...445