Contents

1. Laboratory 1
2. Sterilisation 29
3. SI Units 35
4. Fundamental Chemistry 49
5. Urine Analysis 50
6. Renal Function and its Evaluation 85
7. Stool Examination 90
8. Medical Parasitology 100
9. Clinical Haematology 196
10. Clinical Haematology: Bleeding Disorders 264
11. Blood Banking (Immunohaematology) 322
12. Cerebrospinal and other Body Fluids 397
13. Semen Analysis 408
14. Sputum Examination 411
15. Pregnancy Tests 418
16. Examination of Gastrointestinal Contents 442
17. The Endocrine System 452
18. Diabetes Mellitus Laboratory Diagnosis 598
19. Liver Function Tests 609
20. Clinical Chemistry 617
21. Enzymology 673
22. Blood Gases and Electrolytes 717
23. Serology/Immunology 731
24. Histopathology 1030
25. Cytology 1048
26. Microbiology and Bacteriology 1061
27. Mycology 1119
28. Diagnostic Skin Tests 1123
29. Diagnostic Immunology (Immunodiffusion, Electrophoresis and Turbidimetry) 1129
30. Cytogenetics 1192

Appendices 1199

Index 1275