

# Contents

<i>Preface to the Third Edition</i> .....	v
<i>Preface to the First Edition</i> .....	vii
<i>Acknowledgments</i> .....	ix
<i>Special Features of the Book</i> .....	xiii
<i>Syllabus</i> .....	xvii

## **Section I** Introduction 1–10

Chapter 1 Microbiology: Historical Introduction and Scope .....	3
---	---

## **Section II** Microorganisms 11–89

Chapter 2 Classification of Microorganisms .....	13
Chapter 3 Morphology of Bacteria .....	19
Chapter 4 Methods for Study of Microbes .....	28
Chapter 5 Normal Flora of the Body .....	34
Chapter 6 Common Bacterial Diseases .....	39
Chapter 7 Common Viral Diseases .....	55
Chapter 8 Common Fungal Diseases .....	68
Chapter 9 Common Parasitic Diseases .....	75

## **Section III** Infections and their Transmission 91–112

Chapter 10 Infections (Including Nosocomial Infections) .....	93
Chapter 11 Factors Affecting Growth of Microbes .....	101
Chapter 12 Collection of Specimens .....	106

## **Section IV** Immunology 113–136

Chapter 13 Basics of Immunology (Including National Immunization Schedule) .....	115
Chapter 14 Antigen-Antibody Reaction .....	132

## **Section V** Control and Destruction of Microorganisms 137–155

Chapter 15 Sterilization and Disinfection .....	139
Chapter 16 Biosafety and Biomedical Waste Management .....	150

<b>Section VI</b>	<b>Practical Microbiology</b>	<b>157–170</b>
Chapter 17	Microscope.....	159
Chapter 18	Staining and Examination of Slides.....	164
Index	.....	171

