## Contents

Contributors	VII
Foreword by Prof (Dr) Hemchandra Pandey	ix
Preface	хi
Index of Competency	xvii
UNIT I: General Pharmacology	
Rational Drug Use in Clinical Practice	1
2. Clinical Pharmacokinetics	10
3. Posology (Dose Calculations)	17
4. Chronotherapeutics	18
5. Dosing in Pediatric Group	21
6. Geriatric Pharmacology	23
7. Drug Use in Pregnancy	26
8. Drug Use in Lactation	30
9. Drug Interactions	32
UNIT II: Central Nervous System	
10. Treatment of Alcohol Use Disorder	36
11. Treatment of Epilepsy	39
12. Treatment of Parkinsonism	47
13. Treatment of Psychotic and Mood Disorders	53
14. Treatment of Acute and Chronic Pain and Treatment of Migraine	59
15. Treatment of Alzheimer's Disease	87
UNIT III: Cardiovascular System	
16. Management of Hypertension	91
17. Treatment of Hyperlipidemia	97
18. Treatment of Angina and Myocardial Infarction	103
19. Treatment of Arrythmias	108

xiv	Textbook of Clinical Pharmacology	
20.	Treatment of Congestive Heart Failure	117
	Treatment of Shock	123
	UNIT IV: Blood	
22.	Hemopoietic Agents and Treatment of Anemia	127
23.	Treatment of Bleeding Disorders	131
24.	Treatment of Thromboembolic Disorders	136
	UNIT V: Kidney and Urinary Tract	
25.	Infections of Kidney and Urinary Tract	144
	A. Uncomplicated and Complicated UTI	
	B. Diseases of Kidney—Acute Pyelonephritis, Chronic Pyelonephritis	
	C. Assessment of Kidney Function	
	D. Classification of Glomerulopathies  E. Pathophysiology of Acute Kidney Injury (AKI) and Treatment	
	F. Pathophysiology of Chronic Kidney Disease (CKD) and its Treatme	ent
	UNIT VI: Joint Disorders	
26.	Treatment of Rheumatoid Arthritis and Gout	156
	UNIT VII: Respiratory System	
27.	Treatment of Respiratory Diseases	162
28.	Pulmonary Function Tests	182
	UNIT VIII: GIT, Liver, Pancreas	
20	Treatment of Diarrhea, Constipation and Vomiting	196
	Treatment of Peptic Ulcer	207
	Treatment of Liver, Intestine, and Pancreatic Diseases	211
51.	neal nent of liver, intestine, and fancied ic diseases	211
	UNIT IX: Endocrine System	
32.	Treatment of Diabetes Mellitus	216
33.	Treatment of Thyroid Disorders	226
34.	Treatment of Gynecological Disorders and Obstetric Complications	229
35.	Treatment with Androgens in Various Clinical Disorders	242
36	Treatment of Adrenal Hormones Disorders	244

Contents	xv

UNIT X: Treatment of Infectious Diseases				
37. Treatment of Malaria	246			
38. Treatment of Tuberculosis	250			
39. Treatment of Viral illness	255			
40. Treatment of AIDS (Acquired Immunodeficiency Syndrome)	261			
41. Use of Antimicrobials	271			
42. Treatment of Fungal Diseases	272			
43. Treatment of Amoebiasis and other Protozoal Infections	274			
44. Anthelmintic Drugs	278			
45. Treatment of Leprosy	281			
46. Treatment of Sexually Transmitted Diseases	285			
47. Treatment of Septicemia and Antimicrobials for Systemic Therapy	292			
UNIT XI: Treatment in other Clinical Specialities				
48. Treatment of Osteoporosis	295			
49. Treatment of Common Ophthalmic Diseases	297			
50. Treatment of Common Pediatric Diseases	309			
51. Treatment of Common Skin Diseases	318			
52. Treatment in Dental Practice	331			
53. Treatment of Medical Emergencies	353			
54. Dengue and Management	367			
55. Treatment of COVID SARS-2	373			
Index	379			