Contents

iv

Fore Fore Pret	Foreword by Amod Kumar Sachan Foreword by Bhabagrahi Rath Foreword by Richa Mishra Preface		
Ina	ex of Competencies	Χİ	
	SECTION A: CLINICAL PHARMACOLOGY		
1.	Prescription Writing	3	
2.	Relevant Clinical Pharmacokinetic Parameters and Drug Dose Calculation	19	
3.	Teaching of Rational Drug Use	22	
4.	Monitoring Adverse Drug Reactions	27	
5.	Problem Based Exercise on Adverse Drug Reaction	35	
6.	Identify and Describe the Management of Drug Interactions	41	
7.	Problem Based Exercise on Drug Interaction	47	
8.	Critical Appraisal of Drug Promotional Literature	49	
9.	New Drug Discovery	52	
10.	Problem Based Learning	57	
11.	Criticism on Prescription	63	
12.	Skill Assessment on Mannequin: Administration of Medication by Various Route (DOAP)	71	
_			
	SECTION B: CLINICAL PHARMACY		
13.	Introduction to Pharmacy	89	
14.	Standard Abbreviations	95	

x Pharmacology: A Practical Manual for Medical Stud	dents
---	-------

15.	Route of Drug Administration	96
16.	Dosage Forms	104
17.	Pharmacy Preparations	113
	SECTION C: EXPERIMENTAL PHARMACOLOGY	
18.	Introduction to Experimental Pharmacology	147
19.	Regulations for Use of Animals for Experiments and Research	149
20.	Animals Used in Experimental Pharmacology	150
21.	Animal Experiments	152
	SECTION D: PROTOCOL WRITING	
22.	Protocol Writing	163
23.	How to Write ICMR-STS Project by Under Graduate Students	170
	SECTION E: COMMUNICATION SKILL	
_ 	Interaction with Pharmaceutical Representative	177
25.	Communication with the Patients	179