

Contents

Preface..... v

Acknowledgement vii

Section – A: Clinical Pharmacy

1. Introduction.....	3
2. Dosage Forms of Drugs.....	4
3. Special Drug Delivery System.....	8
4. Preparation and Uses of Oral Rehydration Salt (ORS).....	13
5. Drug Dose Calculation.....	15

Section – B: Experimental Pharmacology

1. Introduction.....	21
2. Effect of Drug on Dog Blood Pressure.....	22

Section – C: Injection Skills

1. Routes of Administration of Drugs.....	29
2. Intravenous Drip Setting in a Simulated Environment.....	33

Section – D: Clinical Pharmacology

1. Drug Nomenclature.....	37
2. Sources of Drug Information.....	39
3. Critical Appraisal of Drug Promotional Literature.....	42
4. Drug Development and Clinical Trial.....	44
5. Good Clinical Practice.....	48
6. Informed Consent.....	50
7. ADR Monitoring: Pharmacovigilance.....	52
8. Drug Interaction.....	58
9. Drug Interactions that Alter Absorption.....	60

10. Drug Interactions that Alter Distribution.....	62
11. Drug Interaction that Alters Metabolism.....	64
12. Drug Interactions that Alter Excretion.....	66
13. Pharmacodynamic Drug Interactions	68
14. Concept of Essential Medicine	70
15. Rational use of Medicine and P-Drug Concept.....	73
16. Rational Use of Antibiotics.....	78
17. Antimicrobial Stewardship	83
18. Rational Combination of Drug	85
19. Evidence Based Medicine.....	89
20. Therapeutic Drug Monitoring.....	92
21. Principles of Prescription Writing	97
22. Legal Aspects of Prescribing Drug	100
23. Ethical Aspect of Prescribing.....	102
24. Drug Schedules and Acts	103
25. Generic Prescription Writing.....	104
26. Prescription Auditing (Critical Appraisal of the Given Prescription).....	114
27. General Principles in the Treatment of Poisoning.....	120

Section – E: Communication Skills in Pharmacology

1. Effective Communication and Patient Interview.....	127
---	-----

Section – F: Clinical Case Discussion and P-Drug Selection

1. General Pharmacology.....	145
2. Autonomic Nervous System.....	146
3. Autacoids	148
4. Respiratory System.....	150
5. Cardiovascular System	152
6. Blood and Blood Forming Organs.....	157
7. Hematinic.....	159

8. Renal System	162
9. Gastrointestinal System	163
10. Thyroid Hormone	166
11. Diabetes Mellitus	169
12. Corticosteroid and Androgen.....	171
13. Female Sex Hormone and OCP.....	173
14. Local Anesthetics.....	176
15. General Anesthetics	178
16. Alcohol	179
17. Sedative-Hypnotics.....	181
18. Anti-Epileptics.....	183
19. Parkinson's Disease	184
20. Antipsychotic Drugs	185
21. Opioid Analgesics	187
22. Antimicrobial Agents.....	189
23. Tuberculosis.....	192