

Contents

<i>About the Author</i>	<i>ix</i>
<i>Preface</i>	<i>xi</i>
<i>Acknowledgments</i>	<i>xiii</i>
<i>Reviewers</i>	<i>xv</i>
<i>Special Features of the Book</i>	<i>xxi</i>
<i>Syllabus</i>	<i>xxv</i>

Section I Nursing as a Profession

Chapter 1	Development of Nursing Profession, National and Global Perspectives of Nursing	3–20
	History of Development of the Nursing Profession	4
	Role of Florence Nightingale in the Development of Modern-Day Nursing	5
	Profession, Vocation and Occupation	7
	Nursing as a Profession	8
	Criteria of Nursing Profession	8
	Nursing Professionalism	9
	National and Global Perspectives of Nursing as a Profession	10
Chapter 2	Professional Ethics and Conduct and Assertiveness in Nursing	21–49
	Introduction	22
	Ethics	22
	Bioethics	22
	Ethical Principles	22
	Professional Ethics	23
	Ethical Dilemmas.....	23
	Ethical Frameworks.....	25
	Code of Ethics	25
	Indian Nursing Council Code of Ethics for Nurses in India	26
	Code of Ethics by the International Council of Nurses	27
	Nursing Visibility	28
	Assertiveness	32
	Assertive Communication	33
	Boundary Setting in the Context of Assertiveness.....	34
	Assertive Conflict Resolution.....	35
	Role of Communication Skills in Assertiveness.....	36
	Role of Self-Awareness in Assertiveness	36
	Role of Mentorship in the Context of Assertiveness.....	37
	Models of Assertiveness	38
	Accountability and Responsibility in Nursing.....	40

Chapter 3	Legal Issues in Nursing	51–68
	Introduction	52
	Types of Laws	52
	Sources of Laws.....	52
	Legal System	53
	Legal Responsibilities of Nurses	53
	Common Legal Terms Used in Healthcare	53
	Medicolegal Issues in Nursing	58
	Legal Safeguards in Nursing Practice	60
	Prevention and Mitigation of Legal Consequences	65
Chapter 4	Regulatory Bodies in Nursing	69–80
	Professional Organizations in Nursing	70
	Role of Regulatory Bodies	75
	Regulatory Bodies for Nursing Practice	76
	Regulatory Bodies for Nursing Education in India.....	77
Chapter 5	Collective Bargaining and Role of Professional Organizations	81–96
	Introduction	82
	Individual Bargaining.....	82
	Collective Bargaining.....	82
	Collective Bargaining Theories/Models	87
	Role of Professional Organizations/Associations in Collective Bargaining.....	90
	Professional Organizations/Associations in India.....	91
	Employee Unions	91
	Indian Nursing Unions.....	92
Chapter 6	Nursing as a Career: Role of Research, Leadership and Management in Nursing Practice	97–119
	Introduction	98
	Nursing as a Career	98
	Reasons to Choose Nursing as a Career	98
	Scope of Nursing Education.....	99
	Educational Preparation for Nursing	100
	Professional Organizations	101
	Professional Advancement Opportunities/Roles	102
	Recommendations for Nursing Education	108
	Continuing Nursing Education	109
	Role of Research, Leadership and Management in Nursing Practice	111
Chapter 7	Quality Assurance in Nursing	121–152
	Introduction	122
	Definitions of Quality Assurance	122
	Factors Affecting Quality Assurance	122
	Components of Quality Assurance	122
	Approaches of Quality Assurance.....	123
	Quality Assurance Models in Nursing.....	123
	Nursing Quality Indicators.....	126

Quality in Nursing Care	127
Professional Standards in Nursing	127
American Nursing Association Framework for Nursing Quality Improvement and Patient Safety	129
Audit Process in Nursing	130
Nursing Auditors	140
Nursing Audit Models	142
Audit Committee.....	148
Challenges in Nursing Audit	150

Chapter 8 Futuristic Nursing 153–166

Introduction	154
Trends and Possibilities in Nursing	154
Nursing Focus on Population Health and Preventive Care in India	157
Specialization and Advanced Practice Roles	158
Artificial Intelligence in Healthcare	158
Emerging Bioethical Issues.....	160
Future Trends in Nursing Administration.....	162
Cyber Nursing	164

Section II Healthcare Delivery

Chapter 9 Healthcare Environment and Health Economics 169–195

Introduction	170
Impact of Healthcare Environment on Patient Care Services, Access to Health and Health Outcomes	170
Constraints of the Healthcare Environment	171
Components of the Healthcare Environment.....	171
Health Economics.....	172
Role of Economic Policies in Shaping Health Equity and Access	173
Principles of Economic Evaluation in Healthcare	176
Policies Related to Health Economics.....	177
Supply-Demand Interaction and its Influence on Health Economics	178
Healthcare Financing Models in India	180
Health Economics Models.....	181
Constraints of Health Economics.....	186
Planning for Optimal Healthcare Environment.....	186
Policies Related to Healthcare Environment	187
Eco-Friendly Hospitals.....	189
Role of Nurses in Health Economics.....	190
Role of Nurses in Politics and Policy Making	190
Implications of Health Policy and Health Economics on the Healthcare Environment and Patient Care	192

Chapter 10 Healthcare Delivery System in India and Abroad 197–228

Introduction	198
Healthcare Delivery System in India.....	198
Levels of Indian Healthcare System.....	200
Levels of Healthcare.....	203

Comparison of Healthcare Delivery System in India and Abroad.....	205
Patterns of Nursing Care Delivery in India.....	205
Factors Affecting Healthcare Delivery System in India.....	208
Platforms for Healthcare Delivery in India.....	208
National Health Programs	210
National Nutrition Programs	214
Communicable Disease Control Programs.....	216
Noncommunicable Disease Control Programs	219
Programs for Strengthening Health Infrastructure and Services	224
Chapter 11 Major Stakeholders in the Healthcare System	229–241
Introduction.....	230
Types of Stakeholders	230
Managing Stakeholder Engagement in Healthcare.....	230
Public-Private Partnerships in Healthcare Delivery System	232
Challenges in Healthcare Delivery in India	232
Public-Private Partnerships in Healthcare	233
Role of Government in Healthcare Delivery System.....	235
Role of Patients/Public as Stakeholders in the Healthcare Delivery System	235
Role of Nongovernmental Organizations in Healthcare Delivery in India	235
Role of Payers as Stakeholders in Healthcare Delivery System.....	236
Concept of Health Literacy.....	237
Chapter 12 Patterns of Nursing Care Delivery in India	243–252
Introduction.....	244
Principles of Nursing Care Delivery	244
Factors Affecting the Nursing Care Delivery	244
Patterns/Models of Nursing Care Delivery	244
Application of Nursing Care Delivery Models in India	249
Challenges in Implementation of Nursing Care Delivery Models in India	250
Chapter 13 Telemedicine and Telenursing	253–265
Introduction.....	254
Telemedicine.....	254
Telenursing.....	258
Regulatory Framework for Telemedicine Practice	260
Telemedicine Practice Guidelines of India.....	261
Teleconsultation in Telemedicine	263
Chapter 14 Information, Education and Communication	267–284
Introduction.....	268
Definitions of Communication.....	268
Communication Process.....	268
Types of Communication.....	273
Barriers of Communication	274
Effective Communication Skills.....	275
Impact of Technology on Communication	276
Concept of Information, Education and Communication.....	276

Section III Genetics

Chapter 15	Cell Division, Mutation and Law of Inheritance	287–301
	Introduction	288
	Cell.....	288
	Genetic Mutation	294
	Mendelian Law of Inheritance	295
	Human Genome Project and the Genomic Era	297
	Ethical, Legal, and Social Implications	299
 Chapter 16	 Concept of Genes	 303–317
	Introduction	304
	Milestones in the History of Genes	304
	Characteristics of Genes.....	304
	Types of Genes.....	305
	Gene Structure.....	308
	Gene Expression	309
	Nucleic Acids.....	310
	Concept of Genetics.....	314
	Chromosomes.....	314
 Chapter 17	 Common Genetic Disorders and their Management	 319–337
	Introduction	320
	Causes of Genetic Disorders.....	320
	Common Types of Genetic Disorders	322
	Role of Consanguinity in Genetic Disorders.....	324
	Common Genetic Disorders Across the Life Span.....	324
	Management of Genetic Disorders	333
	Approaches to Prevent Genetic Disorders.....	334
 Chapter 18	 Genetic Testing, Prenatal Diagnosis and Screening Ethical, Legal and Psychosocial Issues in Genetic Testing	 339–359
	Introduction	340
	Types of Genetic Testing	340
	Methods of Genetic Testing	340
	Process of Genetic Testing.....	344
	Genetic Markers.....	346
	Prenatal Screening	347
	Role of a Nurse in Genetic Screening and Genetic Testing.....	350
	Ethical, Legal, and Psychosocial Issues in Genetic Testing	351
	Genetic Counseling	354
	Legal Issues in Genetic Testing	355
 Chapter 19	 Genetic Counseling	 361–371
	Introduction	362
	Goal of Genetic Counseling	362
	Importance of Genetic Counseling.....	363
	Practical Application of Genetics to Nursing.....	363

Attributes of Genetics/Genomics Nursing	364
History Collection	364
Genetic Screening	366
Ethical, Legal, and Social Considerations	367
Coordination of Care	368
Key Components of Patient Advocacy for Genetic Treatment	368
Potential Outcomes of Patient Advocacy for Genetic Treatment	368
Insurance/Reimbursement for Genetic Disorders	369

Section IV Epidemiology

Chapter 20 Epidemiological Approaches and Methods 375–390

Introduction	376
Definitions of Epidemiology	376
Components of Epidemiology	376
Categories and Scope of Epidemiology	376
Aims of Epidemiology	377
Concepts in Epidemiological Approaches	378
Epidemiological Approaches/Methods	378
Lesser-Used Epidemiological Approaches	388

Chapter 21 Application of Epidemiology in Healthcare Delivery, Health Surveillance, and Health Informatics 391–408

Introduction	392
Application of Epidemiology in Healthcare Delivery	392
Vital Statistics and Health Indicators	394
Health Informatics	399
Case Studies and Examples	402
Electronic Health Records	402
Health Information Systems	404

Chapter 22 Role of Nurse in Epidemiology 409–420

Introduction	410
General Role of a Nurse in Epidemiology	410
Role of Nurse in Epidemiological Investigations	410
Verifying Diagnosis and Confirming the Risk of an Outbreak	410
Role of the Nurse in Disease Surveillance and Reporting	411
Public Health Information Exchange for Epidemiological Activities	414
Population Surveys and Studies for Disease and Health Surveillance	415
Process of Outbreak Mapping	415
Adverse Event Reporting Systems in India	417
Monitoring During Outbreaks	418

Section V Biopsychosocial Pathology

Chapter 23 Life Processes, Pathophysiology and Psychodynamics of Disease Causation 423–436

Introduction	424
--------------------	-----

Life Processes.....	424
Pathophysiology.....	432
Psychodynamics of Disease Causation	433
Integration of Pathophysiology and Psychodynamics.....	434
Chapter 24 Oxygen Insufficiency	437-453
Introduction	438
Oxygenation and Gas Exchange Processes	438
Oxygen Insufficiency (Hypoxia)	439
Application of Nursing Process in the Care of Patients with Oxygen Insufficiency.....	448
Chapter 25 Fluid and Electrolyte Imbalances	455-487
Introduction	456
Classification of Fluid and Electrolyte Imbalances.....	456
Fluid Balance.....	456
Types of Body Fluids.....	458
Fluid Regulation Mechanism	459
Fluid Movement.....	461
Fluid Imbalance.....	461
Osmolality Imbalances.....	467
Role of Electrolytes	470
Electrolyte Transport Mechanism	470
Electrolyte Imbalances.....	470
Acid-Base Imbalances	481
Nursing Management of Fluid and Electrolyte Imbalances	482
Chapter 26 Nutritional Problems	489-525
Introduction	490
Nutrients.....	490
Undernutrition.....	492
Overnutrition	515
Nursing Care of Patients.....	521
Chapter 27 Hemorrhage and Shock	527-547
Introduction	528
Hemorrhage.....	528
Shock	537
Chapter 28 Altered Body Temperature	549-564
Introduction	550
Homeothermia.....	550
Thermoregulatory Mechanisms	551
Fever	553
Fever of Unknown Origin	557
Nursing Care of Patients with Fever	558
Hypothermia.....	559

Chapter 29	Care of Unconscious Patients and Sensory Deprivation	565–583
	Introduction	566
	Definitions of Unconsciousness.....	566
	Major Terms Associated with Levels of Unconsciousness	566
	Types of Unconsciousness Based on Duration.....	567
	Causes of Unconsciousness	568
	Pathophysiology of Unconsciousness.....	569
	Clinical Manifestations of Unconsciousness	570
	Diagnostic Assessment of Unconsciousness.....	572
	Medical Management of Unconsciousness	573
	Nursing Assessment of Unconsciousness	574
	Sensory Deprivation.....	578
Chapter 30	Sleep Pattern and its Disturbances	585–603
	Introduction	586
	Definitions of Sleep	586
	Functions of Sleep.....	586
	Physiology of Sleep	586
	Anatomical and Physiological Basis Sleep	587
	Theories of Sleep	587
	Sleep Pattern.....	588
	Sleep Disorders	590
	Diagnosis of Sleep Disorders	598
	Managing Sleep Disorders.....	598
Chapter 31	Pain	605–624
	Introduction	606
	Definitions of Pain.....	606
	Physiology of Pain	606
	Types of Pain	611
	Components of Pain	613
	Pain Theories	613
	Factors Affecting Pain	614
	Pain Management.....	614
	Nursing Care of Pain.....	617
Chapter 32	Cardiopulmonary Resuscitation	625–637
	Introduction	626
	Cardiac Arrest	626
	Cardiopulmonary Resuscitation	630
Chapter 33	End-of-Life Care	639–650
	Introduction	640
	Dying and Death.....	640
	Grief.....	641
	Dying Process	641
	Nursing Care of Dying and Dead.....	644

Chapter 34 Infection Prevention and Control Including Biomedical Waste Management	651-664
Introduction	652
Sources and Modes of Infection	652
Healthcare-Associated Infections	652
Infection Control Measures in a Hospital	654
Waste Management.....	656
Chapter 35 Evidence-Based Nursing Practice	665-675
Introduction	666
Definition of Evidence-Based Nursing Practice	666
History of Evidence-Based Nursing Practice	666
Importance of Evidence-Based Practice	666
Reasons for Development of Evidence-Based Practice in Nursing Practice	667
Steps of Evidence-Based Practice	668
Difference Between Research Utilization and Evidence-Based Nursing Practice	670
Chapter 36 Innovations in Nursing	677-685
Introduction	678
Innovation in Nursing	678
Nursing Innovation Models and Frameworks	681
Methods of Innovation.....	682
Barriers to Nursing Innovations.....	683

Section VI Philosophy and Theories of Nursing

Chapter 37 Introduction to Nursing Theories and Conceptual Models	689-699
Introduction	690
Nursing Theory.....	690
Theory Development	695
Concepts and Conceptual Model	697
Chapter 38 Nursing Theorists, their Theories and its Application to Nursing Practice	701-771
Introduction	702
Nursing Theorists and their Work	702
Florence Nightingale’s Environmental Theory	702
Virginia Henderson’s Need Theory	707
Rogers’ Theory of Unitary Human Beings.....	712
Hildegard Peplau’s Interpersonal Relations Theory	717
Dorothea Orem’s Self-Care Deficit Theory.....	722
Theory of Goal Attainment of Imogene King	729
Abdellah’s Twenty-One Nursing Problems Theory.....	736
Levine’s Nursing Theory: The Conservation Model.....	741
Callista Roy’s Adaptation Model of Nursing.....	745
Betty Neuman’s Systems Model	750
Dorothy Johnsons Behavioral Systems Model	753
Parse’s Theory of Human Becoming	757
Leininger’s Transcultural Nursing Theory	761
Watson’s Caring Science Theory.....	766

Section VII Nursing Process Approach

Chapter 39 Introduction to Nursing Process and Health Assessment	775–788
Introduction	776
Nursing Process.....	776
Nursing Assessment.....	777
Nursing Assessment Tools Used in Clinical Practice	782
Chapter 40 Nursing Process Approach—Nursing Diagnosis, Implementation, and Evaluation	789–803
Introduction	790
Nursing Process.....	790
Health Assessment	790
Nursing Diagnosis.....	791
Planning	796
Implementation	797
Evaluation	798

Section VIII Psychological Aspects and Human Relations

Chapter 41 Human Behavior, Life Processes and Growth and Development	807–836
Introduction	808
Human Behavior	808
Human Behavior and Central Nervous System	815
Historical Development of Theories of Behavior	817
Diversity of Human Behavior.....	823
Health and Human Behavior	824
Life Processes.....	828
Growth and Development.....	829
Interplay of Behavior, Life Processes, Growth and Development	834
Chapter 42 Personality	837–858
Introduction	838
Definitions of Personality	838
Components of Personality	838
Factors Influencing Personality Development	839
Theories of Personality	839
Biological Perspective on Personality	846
Behaviorist Theory	847
Personality Disorders	849
Personality Development	852
Chapter 43 Communication and Interpersonal Relationships, Individual and Group Dynamics	859–890
Introduction	860
Definitions of Communication.....	860
Purposes of Communication	860

Components of Communication.....	861
Channels of Communication	861
Models of Communication	865
Styles of Communication	872
Therapeutic Communication	873
Nontherapeutic Communication	875
Interpersonal Relationships.....	876
Group Dynamics.....	878
Chapter 44 Organizational Behavior	891–904
Introduction	892
Definitions of Organizational Behavior	892
History of Organizational Behavior.....	892
Characteristics of Organizational Behavior	893
Elements of Organizational Behavior	893
Goals of Organizational Behavior	894
Models of Organizational Behavior	894
Challenges in Organizational Behavior	900
Role of Nurse Leaders in Fostering Positive Organizational Behavior	900
Chapter 45 Sexuality and Sexual Health	905–919
Introduction	906
Definitions of Related Terms—World Health Organization	906
Sexual Health	907
Key Aspects of Sexuality.....	907
Sexual Development Across the Lifespan	908
Factors Influencing Sexual Health	909
Sexual Practices and Sexual Response Cycle.....	910
Sexual Health Assessment.....	911
Sexual Health Issues.....	912
Treatment of Sexual Disorders	912
Nursing Diagnosis Related to Sexual Health	915
Nursing Care of Patients with Sexual Disorders.....	915
Chapter 46 Stress and Adaptation	921–947
Introduction	922
Stress	922
Adaptation	943
Chapter 47 Crisis and its Interventions	949–980
Introduction	950
Definitions of Crisis	950
Definitions of Crisis Intervention.....	950
Characteristics of Crisis	950
Types of Crises	950
Signs and Symptoms of Individuals Experiencing Crisis.....	951
Theories and Models of Crisis Intervention.....	952
Crisis Assessment Tools.....	961
Crisis Intervention Skills	967

Legal and Ethical Concern in Crisis Intervention	973
Self-Care for Professionals	974
Burnout.....	975
Chapter 48 Coping with Loss, Death, and Grief	981-996
Introduction	982
Grief.....	982
Loss	982
Theories of Loss and Grief.....	983
Death	986
Considerations in Death and Grief	991
Emotional Needs.....	992
Communication Strategies about Death and Grief.....	993
Defense Mechanisms to Deal with Loss, Grief and Death	994
Coping Strategies to Deal with Loss, Grief and Death	994
Chapter 49 Principles and Techniques of Counseling	997-1018
Introduction	998
Definitions of Counseling	998
Importance of Counseling	998
Types of Counseling	998
Principles of Counseling.....	1000
Techniques of Counseling.....	1000
Counseling-Based Theories	1001
Stages of Counseling Therapy	1013
Ethical Issues and Guidelines Related to Counseling Practice	1014
Section IX Nursing Practice	
Chapter 50 Standards of Nursing Practice, Framework and Scope of Practice	1021-1037
Introduction	1022
Standards and Guidance for Professional Nursing.....	1022
Framework Used to Develop Nursing Standards	1028
Scope of Nursing Practice.....	1030
Role of a Nurse in Upholding Professional Standards.....	1033
Professionalism in Nursing	1033
Chapter 51 Alternative Modalities of Care, Alternative Systems of Health and Complementary Therapies and Role of a Nurse	1039-1086
Introduction	1040
Definitions of Alternative Medicine.....	1040
Definitions of Complementary Therapies.....	1040
Alternative Systems of Medicine.....	1042
Homeopathy	1048
Naturopathy.....	1050
Unani Medicine.....	1053
Siddha Medicine	1055
Therapies in Complementary Medicine	1057

Traditional Chinese Medicine	1058
Chiropractic Medicine	1067
Anthroposophic Medicine	1069
Integrative Medicine	1070
Energy Therapies.....	1077
Mind-Body-Spirit Therapies	1080
Role of a Nurse in Alternative Systems of Medicine and Complementary Therapy	1082
Guidelines and Considerations for Nurses Using Complementary Therapies	1083
Chapter 52 Extended and Expanded Role of the Nurse and Independent Nursing Practice	1087-1102
Introduction	1088
Evolution of Nurses' Role	1088
Responsibilities of Nurses in the Extended Role.....	1089
Extended Roles of Nurses in India and Abroad.....	1089
Expanded Role of the Nurse.....	1093
Independent Nursing Practice.....	1096
Strengths, Weakness and Challenges to Nurse Practitioner Programs in India.....	1098
Chapter 53 Health Promotion and Primary Healthcare, Models of Prevention, Family Nursing	1103-1131
Introduction	1104
Health Promotion.....	1104
Strategies in Nursing to Promote Health and Prevent Disease	1105
Health Promotion Models.....	1106
Primary Healthcare	1112
Disease Prevention.....	1115
Family Nursing	1116
Family Health Assessment.....	1125
Nursing Diagnosis Related to Family Problems.....	1126
Home Nursing	1127
Home Nursing in India.....	1128
Roles and Responsibilities of Home Nurses.....	1128
Chapter 54 Teamwork and Collaboration in Nursing	1133-1148
Introduction	1134
Definitions of Teamwork	1134
Definitions of Collaboration	1134
Definitions of Teamwork and Collaboration in Nursing	1134
Significance of Teamwork and Collaboration in Nursing.....	1135
Five C's of Teamwork.....	1135
Elements of a Successful Nursing Team.....	1135
Strategies for Coordinating Patient Care Activities in a Nursing Team	1136
Team Dysfunction.....	1136
Collaborative Decision-Making.....	1137
Collaborative Nursing Practice Models	1138
Factors Affecting Interprofessional Collaboration	1143
Effective Communication Strategies for Teamwork and Collaboration	1144
Barriers to Collaboration in Nursing Practice.....	1145

Chapter 55 Gender Issues, Women Empowerment and its Impact on Nursing 1149–1166

Introduction	1150
Definitions.....	1150
Historical and Cultural Contexts that Influence Gender Roles and Expectations	1150
Impact of Societal Norms, Laws, and Policies on Gender Roles	1151
Intersectionality of Gender	1153
Gender Equality	1153
Challenges Faced by Women in Various Sectors.....	1154
Women Empowerment.....	1155
Sustainable Development Goal 5	1157
Legal Framework for Protecting Women’s Rights in India	1157
Women’s Empowerment Framework/Model	1161

Chapter 56 Disaster Nursing 1167–1191

Introduction	1168
Disaster and Disaster Nursing	1168
Disaster Management.....	1171
Hazard Analysis and Vulnerability Assessment.....	1176
Phases of Disaster Management	1176
Elements of Disaster Response Strategies in India	1176
Incident Command System.....	1177
Communication and Information Management in Disaster Preparedness	1178
Training and Capacity Building for Disaster Preparedness and Mitigation.....	1178
Emergency Operations Centers	1179
Infrastructure and Building Codes.....	1180
Risk Reduction.....	1181
Disaster Nursing.....	1183
Principles of Disaster Nursing	1184
Roles and Responsibilities of Nurses in Disasters	1186
Guidelines for Disaster Management Plans.....	1188
Challenges in Disaster Nursing	1188

Chapter 57 Geriatric Nursing 1193–1226

Introduction	1194
Changes with Aging	1194
Theories of Aging	1198
Geriatric Assessment	1207
Strategies to Improve the Quality of Life of the Elderly.....	1216
Quality of Life of the Elderly in India	1216
Government Initiatives for Elderly in India.....	1217
Common Nursing Diagnosis Applicable in Geriatric Nursing	1217
Common Health Problems of Elderly	1218
Nursing Interventions for Common Health Problems.....	1219
Nursing Interventions for Nursing Problems	1221
Effective Communication with Elderly.....	1222

Chapter 58 Transcultural Nursing 1227–1248

Introduction	1228
Culture and Cultural Diversity	1228

Transcultural Nursing Approach	1230
Transcultural Nursing Theories and Models	1234
Cultural Assessment Tools	1242
Strategies to Overcome Cultural Barriers in Healthcare Settings	1243
Role of Nurses in Providing Culturally Appropriate Care	1244
Nursing Diagnoses Related to Transcultural Care	1245

Section X Computer Applications for Patient Care Delivery System and Nursing Practice

Chapter 59 Concept of Nursing Informatics, Use of Computers in Teaching, Learning, Research, and Nursing Practice 1251-1276

Introduction	1252
Definitions of Nursing Informatics	1252
Role of Nursing Informatics in Modern Healthcare	1252
Enhancing Patient Care by Integrating Nursing Science, Computer Science and Information Science	1253
Enhancing Teaching Learning in Nursing Education Using Computers	1253
Simulations	1253
Benefits and Challenges of Using Technology in Nursing Education	1255
Utilization of Computers in Nursing Research	1256
Use of Nursing Informatics in Nursing Practice	1260
Nursing Informatics Models	1262
Areas where Computers and Informatics are Applied in Nursing Practice	1265
Advantages of Using Informatics to Improve Patient Care, Safety, and Outcomes	1271
Ethical and Legal Considerations in Using Technology in Nursing Practice	1272

Chapter 60 Hospital Management Information System and Technology in Nursing 1277-1319

Introduction	1278
Definitions of HMIS	1278
Role of HMIS in Healthcare Settings	1278
Components and Functions of HMIS	1281
Software Used for Hospital Management System and HMIS	1282
Integration of HMIS with Other Healthcare Systems	1283
Impact of HMIS on Patient Care, Operational Efficiency and Decision-Making	1285
Data Security and Privacy in HMIS	1286
Health Insurance Portability and Accountability Act	1288
Operating Systems, Software Applications and their Role in Computer Functionality	1289
Microsoft Applications, their Features and Functions	1291
Statistical Packages	1314

<i>Index</i>	1321
--------------------	------

