

CONTENTS

- 1. Health Assessment.....1**
 - Interview 1
 - Interview Technique 1
 - Observation 2
 - Observation Techniques 3
 - Health Assessment 4
 - Health History 4
 - Physical Examination 5
 - General Assessment 8
 - Documenting Physical Assessment Findings 10
 - Auscultation 10
 - General Assessment of Each Body System 10
 - Cranial Nerve Function 24
- 2. The Nursing Process..... 27**
 - Definition and Meaning of Critical Thinking 27
 - Critical Thinking: Thinking and Learning 27
 - Nursing Process 29
 - Assessment 29
 - Nursing Diagnosis 30
 - Planning 30
 - Implementations 31
 - Rationale 31
 - Formulating the Nursing Care Plan 31
 - Evaluation 31
 - Nanda Nursing Diagnosis 32
- 3. Nutritional Needs 37**
 - Introduction to Nutrition 37
 - Importance 37
 - Factors Affecting Nutritional Needs 38
 - Assessment of Nutritional Status 39
 - Review on Therapeutic Diets 40
 - Review: Special Diets—Solid, Liquid, Soft 40
 - Fluid or Liquid Diet 40
 - Dysphagia 43
 - Anorexia 44
 - Nausea and Vomiting 44
 - Vomiting 44
 - Meeting Nutritional Needs 46
 - Feeding a Helpless Patient 47
 - Enteral Feeding 47
 - Gastrostomy 50
 - Jejunostomy 51
 - Gastrostomy/Jejunostomy Tube Feeding 51
 - Total Parenteral Nutrition 52
- 4. Hygiene 55**
 - Definition 55
 - Care of the Skin 55
 - Back Care 58
 - Decubitus Ulcer/Pressure Sore/Bedsores 60
 - Braden Scale 64
 - The Norton Pressure Sore 66
 - Performing Nail and Foot Care 67
 - Oral Hygiene for a Conscious Patient 68
 - Oral Care for an Unconscious Patient 69
 - Performing a Bed Shampoo/Hair Wash 71
 - Pediculosis 72
 - The Eyes, Ears and Nose 74
 - Perineal Care/Meatal Care 77
 - Handling Glasses 78
 - Care for Contact Lenses and Eyes 79
 - Care for Removable Dentures 80
 - Care and Maintenance of Hearing Aid 80
- 5. Elimination Needs 81**
 - Urinary Elimination 81
 - Facilitating Urine Elimination 85
 - Providing Urinal 85
 - Providing Bedpan 85
 - Condom Drainage 86
 - Providing Genital Care/Hygienic Perineal Care 87
 - Catheterization of the Urinary Bladder 88
 - Care of Urinary Drainage 93
 - Removing an Indwelling Urinary Catheter 94
 - Urinary Diversions 95
 - Bladder Irrigation 96
 - Bowel Elimination 96
 - Alterations in Bowel Elimination 100
 - Collecting a Stool Specimen for Routine Examination 101
 - Passing a Flatus Tube 101
 - Enema 102
 - Suppository 104
 - Sitz Bath 105
 - Bowel Wash 106
 - Digital Evacuation of Feces 107
 - Colostomy 107
 - Care of Ostomies 109
 - Colostomy Irrigation 110
- 6. Diagnostic Testing 113**
 - Diagnostic Test 113
 - Complete Blood Counts (HEMOGRAM) (Cell Counter) 114
 - Various Blood Components Measured Under Complete Blood Count 115
 - Serum Electrolytes 117

- Liver Function Tests 121
 - LFTs to Assessment of Metabolic 122
 - Lipids/Lipoprotein Profile 124
 - Lipoproteins 125
 - Blood Glucose Technologies 126
 - Testing Procedures 128
 - Stool Examination 130
 - Physical Examination 131
 - Urine Test for Albumin 135
 - Test for Sugar in Urine 136
 - Urine Test for Acetone 136
 - Urine pH 136
 - Specific Gravity 137
 - Urine Culture 137
 - Collection of Urine Specimen 138
 - Nurse's Responsibility in Collecting Urine Specimen 139
 - Sputum Culture 139
 - Radiological Procedures 140
 - Diagnostic Radiology 140
 - Endoscopic Procedures 141
- 7. Oxygenation Needs..... 142**
- Review of Cardiovascular and Respiratory Physiology 142
 - Respiratory System (Physiology) 142
 - Factors Affecting Respiratory Functioning 143
 - Alterations in Respiratory Functioning 144
 - Alterations of Oxygenation 145
 - Nursing Interventions to Promote Oxygenation 145
 - Nebulization Therapy 146
 - Steam Inhalation 148
 - Maintenance of Patent Airway 150
 - Oxygen Administration 150
 - Methods of Oxygen Administration 151
 - Suctioning 153
 - Tracheostomy Suctioning 155
 - Chest Physiotherapy 156
 - Care of Clients with Chest Tubes 162
 - Pulse Oximetry 163
 - Restorative and Continuing Care 165
 - Breathing Exercises 167
 - Respiratory Exercises 167
 - Incentive Spirometry 169
- 8. Fluid, Electrolyte, and Acid-Base Balances 171**
- Review of Physiological Regulation of fluid, Electrolyte and Acid-Base Balances 171
 - Homeostasis: Mechanisms of Controlling Fluid and Electrolyte Movement 171
 - Acid and Base Disturbance 173
 - Factors Affecting Fluid, Electrolyte and Acid-Base Balances 175
 - Disturbances in Fluid Volume 178
 - Fluid Volume Excess 180
 - Electrolytes Regulation and Electrolyte Imbalances 182
 - Metabolic: Acidosis and Alkalosis 188
 - Respiratory: Acidosis and Alkalosis 191
 - Intravenous Infusion/Intravenous Therapy 193
 - Performing a Venipuncture 196
 - Complications of IV Fluid Therapy 197
 - Measuring Intake and Output (Fluid Intake) 198
 - Administering Blood and Blood Components 199
 - Restricting Fluid Intake 204
 - Enhancing Fluid Intake 205
- 9. Administration of Medications 206**
- Medication 206
 - Administration of Medication 206
 - Drugs Nomenclature 206
 - Effects of Drugs on the Body 207
 - Forms of Medications 209
 - Drug Preparations 209
 - Purposes of Medications 210
 - Pharmacodynamics and Pharmacokinetics 210
 - Drug Action 211
 - Factors Influencing Medication Action 212
 - Medication Orders and Prescriptions 213
 - Systems of Measurement 214
 - Medication Dose Calculation 216
 - General Principles for Administration of Medications 217
 - 10 Rights of Medication Administration 218
 - Errors in Medication Administration 219
 - Storage and Maintenance of Drugs 220
 - Terminologies 222
 - Abbreviations 223
 - Developmental Considerations in Medication Administration 224
 - Routes of Drug Administration 225
 - Oral Medication 226
 - Sublingual and Buccal Medication Administration 227
 - Administration of Parenteral Medications 228
 - Routes of Parenteral Therapies 228
 - Intramuscular Injection 230
 - Intravenous Injection 232
 - Intravenous Infusions 234
 - Venipuncture Site 234
 - Subcutaneous Injection 236
 - Intradermal Injection 238
 - Equipments 239
 - Infusion set 242
 - Types of Vials and Ampoules 243
 - Preparing Injectable Medicines from Vials and Ampoules 246
 - Care of Equipment: Decontamination and Disposal of Syringes, Needles, Infusion Sets 248
 - Prevention of Needlestick Injuries 248
 - Topical Administration 250
 - Application to Skin and Mucous Membrane 251
 - Direct Application of Liquids 252

- Insertion of Drug into Body Cavity 252
 - Instillations—Ear, Eye, Nasal, Bladder and Rectal 254
 - Irrigations—Eye, Ear, Nasal, Rectal and Bladder 256
 - Spraying: Nose and Throat 260
 - Inhalations 261
 - Dry Inhalations 261
 - Moist Inhalations 261
 - Epidural Route 264
 - Intrathecal Administration 264
 - Intraosseous Route 265
 - Intraperitoneal Route 266
 - Intrapleural Route 267
 - Intra-arterial Route 267
- 10. Sensory Needs..... 269**
- Components of Sensory Experience 269
 - Arousal Mechanism 270
 - Factors Affecting the Sensory Function 270
 - Assessment of Sensory Alterations 271
 - Management 274
 - Unconsciousness 278
- 11. Care of Terminally Ill, Death and Dying..... 281**
- Concepts of Loss 281
 - Grief, Bereavement and Mourning 281
 - Types of Grief Responses 282
 - Types of Complicated Grief 283
 - Manifestations of Grief 283
 - Factors influencing Loss and Grief Responses 284
 - Theories of Grief and Loss—Kubler Ross 285
 - The R Process model (Rando's) 286
 - Death 287
 - Signs of Impending Death 287
 - Dying patient's Bill of Rights 288
 - Care of Dying Patient 288
 - Physiological Changes Occurring after Death 290
 - Dying Declaration 291
 - Death Certificate 291
 - Care of Dead Body 291
 - Autopsy 293
 - Embalming 296
 - Counseling and Supporting Grieving Relatives 299
 - Placing Body in the Mortuary 300
 - Releasing Body from the Mortuary 300
 - Ethical and Legal Issues in Death and Dying 301
 - Euthanasia 301
 - Organ Donation 302
- 12. Psychosocial Needs: Self-concept 304**
- Dimensions of Self-concept 305
 - Components of Self-concept 305
 - Factors that Affect Self-concept 307
 - Nursing Management 309
- 13. Psychosocial Needs: Sexuality 311**
- Meaning 311
 - Definition 311
 - Sexual Health 311
 - Sexual Orientation 314
 - Prevention of Unwanted Pregnancy 316
 - Avoiding Sexual Harassment and Abuse 317
 - Nursing Management 319
- 14. Psychosocial Needs: Stress and Adaptation—Introductory Concepts..... 320**
- Stress 320
 - Stressor 321
 - Sources/Causes of Stress 322
 - Effects of Stress 324
 - Indicators of Stress 325
 - Adaptation 325
 - Stress Adaptation 325
 - General Adaptation Syndrome 326
 - Local Adaptation Syndrome 327
 - Manifestations of Stress 328
 - Nursing Theory and Role of Stress 328
 - Factors Influencing Stress and Coping 328
 - Coping 329
 - Coping Strategies 330
 - Stress Management 330
 - Assist with Coping and Adaptation for Stress Management 332
 - Creating a Therapeutic Environment for Stress Management 332
 - Recreational and Diversional Therapies for Stress Management 333
- 15. Psychosocial Needs: Concepts of Cultural Diversity and Spirituality 335**
- Cultural Diversity 335
 - Providing Culturally Responsive Care 336
 - Spirituality 337
 - Concepts: Faith, Hope, Religion, Spirituality, Spiritual Wellbeing 337
 - Dealing with Spiritual Distress (Spiritual Care Interventions) 340
 - Nursing Management 340
 - The Five R's of Spiritual Care 341
- 16. Nursing Theories: Introduction..... 342**
- Models 343
 - Theories 343
 - Historical Perspective 343
 - Theory 344
 - Nursing Theories 345
- Index* 359