PART I: BIOPHYSICAL MODULES

Module 1: Acid-Base Balance
The Concept of Acid-Base Balance
Exemplar 1.1 Metabolic Acidosis
Exemplar 1.2 Metabolic Alkalosis
Exemplar 1.3 Respiratory Acidosis
Exemplar 1.4 Respiratory Alkalosis

Module 2: Cellular Regulation
The Concept of Cellular Regulation
Exemplar 2.1 Cancer
Exemplar 2.2 Anemia
Exemplar 2.3 Breast Cancer
Exemplar 2.4 Colorectal Cancer
Exemplar 2.5 Leukemia
Exemplar 2.6 Lung Cancer
Exemplar 2.7 Prostate Cancer
Exemplar 2.8 Sickle Cell Disease
Exemplar 2.9 Skin Cancer

Module 3: Comfort
The Concept of Comfort
Exemplar 3.1 Acute and Chronic Pain
Exemplar 3.2 End-of-Life Care
Exemplar 3.3 Fatigue
Exemplar 3.4 Fibromyalgia
Exemplar 3.5 Sleep-Rest Disorders

Module 4: Digestion (NEW!)
The Concept of Digestion
Exemplar 4.1 Gastroesophageal Reflux Disease (NEW!)
Exemplar 4.2 Hepatitis (NEW!)
Exemplar 4.3 Malabsorption Disorders (NEW!)
Exemplar 4.4 Pancreatitis (NEW!)
Exemplar 4.5 Pyloric Stenosis (NEW!)

Module 5: Elimination
The Concept of Elimination
Exemplar 5.1 Benign Prostatic Hyperplasia
Exemplar 5.2 Bladder Incontinence and Retention
Exemplar 5.3 Bowel Incontinence, Constipation, and Impaction
Exemplar 5.4 Urinary Calculi

Module 6: Fluids and Electrolytes
The Concept of Fluids and Electrolytes
Exemplar 6.1 Acute Renal Failure
Exemplar 6.2 Chronic Kidney Disease
Exemplar 6.3 Fluid and Electrolyte Imbalance
Module 7: Health, Wellness, and Illness
The Concept of Health, Wellness, and Illness
Exemplar 7.1 Physical Fitness and Exercise
Exemplar 7.2 Oral Health
Exemplar 7.3 Normal Sleep-Rest Patterns

Module 8: Immunity
The Concept of Immunity
Exemplar 8.1 HIV and AIDS
Exemplar 8.2 Hypersensitivity
Exemplar 8.3 Rheumatoid Arthritis
Exemplar 8.4 Systemic Lupus Erythematosus

Module 9: Infection
The Concept of Infection
Exemplar 9.1 Cellulitis
Exemplar 9.2 Conjunctivitis
Exemplar 9.3 Influenza
Exemplar 9.4 Otitis Media
Exemplar 9.5 Pneumonia
Exemplar 9.6 Sepsis
Exemplar 9.7 Tuberculosis
Exemplar 9.8 Urinary Tract Infection

Module 10: Inflammation
The Concept of Inflammation
Exemplar 10.1 Appendicitis
Exemplar 10.2 Gallbladder Disease
Exemplar 10.3 Inflammatory Bowel Disease
Exemplar 10.4 Nephritis
Exemplar 10.5 Peptic Ulcer Disease

Module 11: Intracranial Regulation
The Concept of Intracranial Regulation
Exemplar 11.1 Increased Intracranial Pressure
Exemplar 11.2 Seizure Disorders

Module 12: Metabolism
The Concept of Metabolism
Exemplar 12.1 Diabetes
Exemplar 12.2 Diabetes in Children (NEW!)
Exemplar 12.3 Liver Disease
Exemplar 12.4 Obesity
Exemplar 12.5 Osteoporosis
Exemplar 12.6 Thyroid Disease
Module 13: Mobility
The Concept of Mobility
Exemplar 13.1 Back Problems
Exemplar 13.2 Fractures
Exemplar 13.3 Hip Fractures
Exemplar 13.4 Multiple Sclerosis
Exemplar 13.5 Osteoarthritis
Exemplar 13.6 Parkinson Disease
Exemplar 13.7 Spinal Cord Injury

Module 14: Nutrition (NEW!)
The Concept of Nutrition

Module 15: Oxygenation
The Concept of Oxygenation
Exemplar 15.1 Acute Respiratory Distress Syndrome
Exemplar 15.2 Asthma
Exemplar 15.3 Chronic Obstructive Pulmonary Disease
Exemplar 15.4 Respiratory Syncytial Virus/Bronchiolitis
Exemplar 15.5 Sudden Infant Death Syndrome

Module 16: Perfusion
The Concept of Perfusion
Exemplar 16.1 Cardiomyopathy
Exemplar 16.2 Congenital Heart Defects
Exemplar 16.3 Coronary Artery Disease
Exemplar 16.4 Deep Venous Thrombosis
Exemplar 16.5 Disseminated Intravascular Coagulation
Exemplar 16.6 Heart Failure
Exemplar 16.7 Hypertension
Exemplar 16.8 Life-Threatening Dysrhythmias
Exemplar 16.9 Peripheral Vascular Disease
Exemplar 16.10 Pregnancy-Induced Hypertension
Exemplar 16.11 Pulmonary Embolism
Exemplar 16.12 Shock
Exemplar 16.13 Stroke

Module 17: Perioperative Care (NEW!)
The Concept of Perioperative Care

Module 18: Sensory Perception
The Concept of Sensory Perception
Exemplar 18.1 Hearing Impairment
Exemplar 18.2 Cataracts
Exemplar 18.3 Eye Injuries
Exemplar 18.4 Glaucoma
Exemplar 18.5 Macular Degeneration
Exemplar 18.6 Peripheral Neuropathy
Module 19: Sexuality
The Concept of Sexuality
Exemplar 19.1 Erectile Dysfunction
Exemplar 19.2 Family Planning
Exemplar 19.3 Menopause
Exemplar 19.4 Menstrual Dysfunction
Exemplar 19.5 Responsible Sexual Behavior
Exemplar 19.6 Sexually Transmitted Infections

Module 20: Thermoregulation
The Concept of Thermoregulation
Exemplar 20.1 Hyperthermia
Exemplar 20.2 Hypothermia

Module 21: Tissue Integrity
The Concept of Tissue Integrity
Exemplar 21.1 Burns
Exemplar 21.2 Contact Dermatitis
Exemplar 21.3 Pressure Ulcers
Exemplar 21.4 Wound Healing
PART II: PSYCHOSOCIAL MODULES

Module 22: Addiction
The Concept of Addiction
Exemplar 22.1 Alcohol Abuse
Exemplar 22.2 Nicotine Use
Exemplar 22.3 Prenatal Substance Exposure
Exemplar 22.4 Substance Abuse

Module 23: Cognition
The Concept of Cognition
Exemplar 23.1 Alzheimer Disease
Exemplar 23.2 Confusion
Exemplar 23.3 Schizophrenia

Module 24: Culture and Diversity
The Concept of Culture and Diversity

Module 25: Development
The Concept of Development
Exemplar 25.1 Attention-Deficit/Hyperactivity Disorder
Exemplar 25.2 Autism Spectrum Disorders
Exemplar 25.3 Cerebral Palsy
Exemplar 25.4 Failure to Thrive

Module 26: Family
The Concept of Family
Exemplar 26.1 Family Health Promotion
Exemplar 26.2 Family Response to Health Alterations

Module 27: Grief and Loss
The Concept of Grief and Loss
Exemplar 27.1 Children’s Response to Loss
Exemplar 27.2 Death and Dying
Exemplar 27.3 Older Adult’s Response to Loss
Exemplar 27.4 Perinatal Loss

Module 28: Mood and Affect (UPDATED for DSM-5!)
The Concept of Mood and Affect
Exemplar 28.1 Depression
Exemplar 28.2 Adjustment Disorder with Depressed Mood
Exemplar 28.3 Bipolar Disorders
Exemplar 28.4 Postpartum Depression

Module 29: Self
The Concept of Self
Exemplar 29.1 Feeding and Eating Disorders
Exemplar 29.2 Personality Disorders
Module 30: Spirituality
The Concept of Spirituality
Exemplar 30.1 Morality
Exemplar 30.2 Religion
Exemplar 30.3 Spiritual Distress

Module 31: Stress and Coping
The Concept of Stress and Coping
Exemplar 31.1 Anxiety Disorders
Exemplar 31.2 Crisis
Exemplar 31.3 Obsessive-Compulsive Disorder
Exemplar 31.4 Phobias
Exemplar 31.5 Posttraumatic Stress Disorder

Module 32: Violence
The Concept of Violence
Exemplar 32.1 Abuse
Exemplar 32.2 Assault and Homicide
Exemplar 32.3 Rape and Rape-Trauma Syndrome
Exemplar 32.4 Suicide
Exemplar 32.5 Unintentional Injury: MVCs

PART III: REPRODUCTION MODULE

Module 33: Reproduction
The Concept of Reproduction
Exemplar 33.1 Antepartum Care
Exemplar 33.2 Intrapartum Care
Exemplar 33.3 Postpartum Care
Exemplar 33.4 Newborn Care
Exemplar 33.5 Prematurity

PART IV: NURSING DOMAIN

Module 34: Assessment
The Concept of Assessment

Module 35: Caring Interventions
The Concept of Caring Interventions

Module 36: Clinical Decision Making
The Concept of Clinical Decision Making
Exemplar 36.1 The Nursing Process
Exemplar 36.2 The Nursing Plan of Care (NEW!)
Exemplar 36.3 Prioritizing Care
Module 37: Collaboration
The Concept of Collaboration
Exemplar 37.1 Case Management
Exemplar 37.2 Conflict Resolution
Exemplar 37.3 Interdisciplinary Teams

Module 38: Communication
The Concept of Communication
Exemplar 38.1 Groups and Group Communication (NEW!)
Exemplar 38.2 Therapeutic Communication
Exemplar 38.3 Documentation
Exemplar 38.4 Reporting

Module 39: Managing Care
The Concept of Managing Care
Exemplar 39.1 Care Coordination
Exemplar 39.2 Cost-Effective Care
Exemplar 39.3 Delegation
Exemplar 39.4 Management Principles

Module 40: Professional Behaviors
The Concept of Professional Behaviors
Exemplar 40.1 Commitment to Profession
Exemplar 40.2 Leadership Principles
Exemplar 40.3 Work Ethic

Module 41: Teaching and Learning
The Concept of Teaching and Learning
Exemplar 41.1 Client/Consumer Education
Exemplar 41.2 Mentoring
Exemplar 41.3 Professional Development

PART V: HEALTHCARE DOMAIN

Module 42: Accountability
The Concept of Accountability
Exemplar 42.1 Competence
Exemplar 42.2 Professional Development

Module 43: Advocacy
The Concept of Advocacy

Module 44: Ethics
The Concept of Ethics
Exemplar 44.1 Ethical Dilemmas
Exemplar 44.2 Patient Rights

Module 45: Evidence-Based Practice
The Concept of Evidence-Based Practice
Module 46: Healthcare Systems
The Concept of Healthcare Systems
Exemplar 46.1 Access to Health Care
Exemplar 46.2 Allocation of Resources
Exemplar 46.3 Emergency Preparedness

Module 47: Health Policy
The Concept of Health Policy
Exemplar 47.1 Accrediting Bodies
Exemplar 47.2 Professional Organizations
Exemplar 47.3 Regulatory Agencies
Exemplar 47.4 Types of Reimbursement

Module 48: Informatics
The Concept of Informatics
Exemplar 48.1 Clinical Decision Support Systems
Exemplar 48.2 Individual Information at Point of Care

Module 49: Legal Issues
The Concept of Legal Issues
Exemplar 49.1 Nurse Practice Acts
Exemplar 49.2 Advance Directives
Exemplar 49.3 HIPAA
Exemplar 49.4 Just Culture (NEW!)
Exemplar 49.5 Mandatory Reporting
Exemplar 49.6 Risk Management

Module 50: Quality Improvement
The Concept of Quality Improvement

Module 51: Safety
The Concept of Safety
Exemplar 51.1 Safety Considerations Across the Life Span (NEW!)
Exemplar 51.2 Workplace Safety (NEW!)