

**MEDICAL SURGICAL NURSING
SPECIALITY – I**

Full Mark – 200.

UNIT	MARK	CONTENT
I	5	<p>Introduction:</p> <ul style="list-style-type: none"> • Historical development of Medical- Surgical Nursing in India. • Trends & issues in Medical – Surgical Nursing. • Ethical & cultural issues in Medical – Surgical Nursing. • Rights of patients.
II	20	<p>Health Assessment of patients:</p> <ul style="list-style-type: none"> • History taking. • Physical examination of various systems. • Related investigations and diagnostic assessment. • Nursing care using Nursing process approach. <p>Care in hospital settings:</p> <ul style="list-style-type: none"> • Ambulatory care. • Acute and Critical care. • Long term care. • Hospitalization- effects of hospitalization on the patient & family.
III	30	<p>Management of patients with disorders of Gastro intestinal tract:</p> <ul style="list-style-type: none"> • Disorders-etiology, Pathophysiology, Clinical manifestations, complications, prognosis., investigation and diagnostic assessment. • Treatment modalities and trends. • Nursing management. • Rehabilitation and follow up.
IV	20	<p>Management of patients with disorders of nervous system excluding cancers:</p> <ul style="list-style-type: none"> • Disorders- etiology, Patho physiology, Clinical manifestations, complications, prognosis. • Health assessment-History taking, physical examination, investigation and diagnostic assessment. • Treatment modalities and trends. • Nursing management. • Rehabilitation and follow-up.
V	30	<p>Management of patients with disorders of respiratory system:</p> <ul style="list-style-type: none"> • Review of anatomy and physiology. • Disorders- etiology, pathophysiology, Clinical manifestations, complications, prognosis. • Health assessment- History taking, physical examination, investigations and diagnostic assessment. • Treatment modalities and trends. • Nursing management.

VI	15	<p>Management of patients with disorders of vascular system:</p> <ul style="list-style-type: none"> • Review of anatomy and physiology. • Disorders- etiology, pathophysiology, Clinical manifestations, complications, prognosis. • Health assessment-History taking, physical examination, investigation and diagnostic assessment. • Treatment modalities and trends. • Nursing management. • Rehabilitation and follow-up.
VII	30	<p>Management of patients with disorders of blood:</p> <ul style="list-style-type: none"> • Review of anatomy and physiology. • Disorders- etiology, patho physiology, Clinical manifestations, complications, prognosis. • Health assessment-History taking, physical examination, investigation and diagnostic assessment. • Treatment modalities and trends. • Nursing management. • Rehabilitation and follow-up.
VIII	30	<p>Management of patients with disorders of genitor urinary system:</p> <ul style="list-style-type: none"> • Review of anatomy and physiology. • Disorders- etiology, patho physiology, Clinical manifestations, complications, prognosis. • Health assessment-History taking, physical examination, investigation and diagnostic assessment. • Treatment modalities and trends. • Nursing management. • Rehabilitation and follow-up.
IX	20	<p>Management of patients with disorders of musculo-skeletal system:</p> <ul style="list-style-type: none"> • Review of anatomy and physiology. • Disorders- etiology, pathophysiology, Clinical manifestations, complications, prognosis. • Health assessment-History taking, physical examination, investigation and diagnostic assessment. • Treatment modalities and trends. • Nursing management. • Rehabilitation and follow-up.

MEDICAL SURGICAL NURSING
SPECIALITY – II **Full Marks =200**

UNIT	MARK	CONTENTS
I	25	<p>Cardiac disorders,Surgery and nursing management:</p> <ul style="list-style-type: none"> • Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology and nursing management of: <ul style="list-style-type: none"> ✓ Coronary Artery Disease. ✓ Angina of various types. ✓ Cardiomegaly. ✓ Myocardial Infarction, Congestive cardiac failure. ✓ Heart Failure, Pulmonary Edema, Shock. ✓ Rheumatic heart disease and other Valvular Diseases. ✓ Inflammatory Heart Diseases, Infective Endocarditis, Myocarditis, Pericarditis. ✓ Cardiomyopathy, dilated, restrictive, hypertrophic. ✓ Arrhythmias, heart block. <p>Associated illnesses.</p>
II	30	<p>Pharmacology:</p> <ul style="list-style-type: none"> • Pharmacokinetics. • Analgesics/ Anti inflammatory agents. • Antibiotics, antiseptics • Drug reaction & toxicity. • Drugs used in cardiac emergencies • Blood and blood components <ul style="list-style-type: none"> ✓ Antithrombolytic agents ✓ Inotropic agents ✓ Beta-blocking agents ✓ Calcium channel blockers. ✓ Vaso constrictors ✓ Vaso dilators. ✓ ACE inhibitors. ✓ Anticoagulents ✓ Antiarrhythmic drugs. ✓ Anti hepertensives. ✓ Diuretics. ✓ Sedatives and tranquilizers. ✓ Digitalis. ✓ Antilipemics. • Principles of drug administration, role and responsibilities of nurses and care of drugs.
III	30	<p>Intensive Care Unit Quality assurance.</p> <ul style="list-style-type: none"> ✓ Standards, Protocols, Policies, Procedures. ✓ Infection control; Standard safety measures ✓ Nursing audit ✓ Design of ICCU/ICTU ✓ Staffing; cardiac team. ✓ Burn out syndrome

		<ul style="list-style-type: none"> • Nurse's role in the management of I.C.C.U and ICTU Oxygen delivery systems. <ul style="list-style-type: none"> • Nasal Cannula • Oxygen mask, Venturi mask. • Partial rebreathing bag. • BI-PAP and C-PAP masks. • Uses, advantages, disadvantages, nursing implications of each. Mechanical Ventilation <ul style="list-style-type: none"> • Principles of mechanical ventilation. • Types of mechanical ventilation and ventilators. • Modes of ventilation, advantage, disadvantages, complications. • PEEP therapy, indications, physiology, and complications. Weaning off the ventilator. • Nursing assessment and interventions of ventilated patient. • Rehabilitation and follow-up.
IV	20	Management of patients with disorders of integumentary system: <ul style="list-style-type: none"> • Review of anatomy and physiology. • Disorders- etiology, patho physiology, Clinical manifestations, complications, prognosis. • Health assessment-History taking, physical examination, investigation and diagnostic assessment. • Treatment modalities and trends. • Nursing management. • Rehabilitation and follow-up.
V	25	Management of patients with disorders of Eye and ENT: <ul style="list-style-type: none"> • Review of anatomy and physiology. • Disorders- etiology, patho physiology, Clinical manifestations, complications, prognosis. • Health assessment-History taking, physical examination, investigation and diagnostic assessment. • Treatment modalities and trends. • Nursing management. • Rehabilitation and follow-up.
VI	30	Management of patients with disorders of endocrine system: <ul style="list-style-type: none"> • Review of anatomy and physiology. • Disorders- etiology, patho physiology, Clinical manifestations, complications, prognosis. • Health assessment-History taking, physical examination, investigation and diagnostic assessment. • Treatment modalities and trends. • Nursing management. • Rehabilitation and follow-up.
VII	20	Emergency Nursing: <ul style="list-style-type: none"> • Trige,Trauma, burns, poisoning, bites • Health assessment-History taking, physical examination, investigation and diagnostic assessment. <ul style="list-style-type: none"> ✓ Treatment modalities and trends.

		<ul style="list-style-type: none"> • Nursing management • CPR-BLS and ALS <ul style="list-style-type: none"> ✓ Rehabilitation and follow-up.
VIII	20	<p>Oncology: Assist with diagnostic procedures Assist with therapeutic procedures and Nursing management: Chemotherapy, Radiotherapy, Stomal therapy, hormonal, immunotherapy ,gene therapy. Palliative care,</p>

PAPER III (Common Paper)**Full Mark= 200****PART - A NURSING EDUCATION***Full Mark – 40.*

UNIT	MARK	CONCEPT
1	8	INTRODUCTION : Definition, aims, concepts, professional education, current trends and issues
2	8	TEACHING - LEARNING PROCESS : Definition, concepts, aims and objectives. Lesson plan, instructional methods
3	8	MEASUREMENT, EVALUATION AND TESTS : Definitions, formative & summative assessment. Essay, Short answer Question, Multiple choice question DSCE/OSPE
4	8	GUIDANCE AND COUNSELING : Concepts, principles and techniques and problems
5	8	CURRICULUM DEVELOPMENT : Definition, process & steps. Master plan, course plan and unit plan

PART - B : ADVANCED NURSING*Full Mark – 40.*

UNIT	MARK	CONCEPT
1	10	NURSING AS A PROFESSION : Definitions, History of development of Nursing Global and National. Code of ethics, code of professional conducts, quality assurances in nursing
2	8	THEORIES OF NURSING : Nightingale's, Handerson's, Peplaus, Abdella's, Orem's
3	12	NURSING PROCESS APPROACH : Health assessment, nursing care plan, diagnosis, implementation and evaluation
4	10	NURSING PRACTICE : Scope, trends, extended & expanded role of nursing, Gender issues and woman empowerment, Disaster Nursing, Geriatric, evidenced base nursing
5	8	CURRICULUM DEVELOPMENT : Definition, process & steps. Master plan, course plan and unit plan

PART C – NURSING RESEARCH & STATISTICS *Full Mark – 40.*

UNIT	MARK	CONCEPT
1	15	INTRODUCTION : Definitions, Characteristics, types of research, Research problems
2	15	Sampling, tools and methods of data collections, analysis and interpretation
3	10	STATISTICS : Definitions, uses, purposes measures of central tendency, measures of variability and testing of hypothesis

PART D : NURSING ADMINISTRATION *Full Mark – 30.*

UNIT	MARK	CONCEPT
1	4	INTRODUCTION : Definition, meaning, scope and principle
2	6	PLANNING, ORGANISING, DIRECTING & CONTROLLING : Concepts, types, Principles, Definitions
3	5	LEADERSHIP : Concepts, types, styles effective leader, critical thinking & decision making
4	5	MATERIAL MANAGEMENT : Concepts, Principles, VED (Very important & essential Daily use), ABC analysis, Inventory Control
5	10	LEGAL AND ETHICAL ISSUES : Definitions, Legal issues in nursing – negligence malpractice, invasion of privacy, torts, battery, patients' rights, infection control

PART E - APTITUDE TEST (50 Marks)

(a) Numerical And Figurework Tests: (15 Marks)

These tests are reflections of fluency with numbers and calculations. It shows how easily a person can think with numbers. The subject will be given a series of numbers. His/Her task is to see how the numbers go together to form a relationship with each other. He/She has to choose a number which would go next in the series.

(b) Verbal Analysis And Vocabulary Tests: (15 Marks)

These tests measure the degree of comfort and fluency with the English language. These tests will measure how a person will reason with words. The subject will be given questions with alternative answers, that will reflect his/her command of the rule and use of English language.

(c) Visual And Spatial/3-D Ability Tests: (10 Marks)

These tests are used to measure perceptual speed and acuity. The subject will be shown pictures where he/she is asked to identify the odd one out; or which comes next in the sequence or explores how easily he/she can see and turn around objects in space.

(d) Abstract Reasoning Tests: (10 Marks)

This test measures the ability to analyse information and solve problems on a complex, thought based level. It measures a person's ability to quickly identify patterns, logical rules and trends in new data, integrate this information, and apply it to solve problems.