

Ph.D Nursing Entrance Exam Syllabus

Medical Surgical Nursing

Objectives:

The objectives of a PhD Nursing entrance exam syllabus, particularly focusing on Medical-Surgical Nursing, aim to assess a candidate's advanced knowledge and skills in nursing science, research, leadership, and the ability to apply concepts to complex patient care, and to develop nursing theories.

S.No	UNIT	CONTENTS
1.	I	Marks-2 <ul style="list-style-type: none">• Introduction to medical surgical nursing – Evolution and trends of medical and surgical nursing• Role and responsibilities of a nurse in medical surgical settings.• Introduction to Medical Surgical asepsis• Health assessment of patients• Care in hospital setting• Care of Surgical patient• Common signs and symptoms and management
2.	II	Marks-3 <p>Nursing management of patients with respiratory problems</p> <ul style="list-style-type: none">• Review of anatomy and physiology of respiratory system• Nursing Assessment-History and Physical assessment• Etiology, Pathophysiology, Clinical manifestations diagnosis, treatment modalities & nursing management of respiratory disorders.• Nursing procedures & Drugs used in treatment of disorders of respiratory system• Evidence based nursing practice and related research studies
3	III	Marks-3 <p>Nursing management of patients) with disorders of digestive system</p> <ul style="list-style-type: none">• Review of anatomy and physiology of digestive system• Nursing Assessment- History and physical assessment• Etiology, Patho physiology, clinical manifestations, Diagnosis, treatment modalities & nursing management of digestive disorders.• Nursing procedures & Drugs used in treatment of disorders of digestive system

		<ul style="list-style-type: none"> Evidence based nursing practice and related research studies
4	IV	<p style="text-align: right;">Marks-3</p> <p>Nursing management of patients with blood and cardio vascular problem.</p> <ul style="list-style-type: none"> Review of anatomy and physiology of Blood and cardiovascular system Nursing Assessment- History and physical assessment Etiology, pathophysiology, clinical manifestations, Diagnosis, treatment modalities & nursing management of blood and cardiovascular disorders Evidence based nursing practice and related research studies Nursing procedures & Drugs used in treatment of blood and cardio vascular disorders
5.	V	<p style="text-align: right;">Marks-3</p> <p>Nursing management of patient with Genito-urinary problems</p> <ul style="list-style-type: none"> Review of anatomy and physiology of Genito-urinary system Nursing Assessment –History and Physical assessment Etiology, pathophysiology, clinical manifestations, diagnosis, treatment modalities & nursing management Nursing procedures & Drugs used in treatment of Genito-urinary disorders Evidence based nursing practice and related research studies
6	VI	<p style="text-align: right;">Marks-3</p> <p>Nursing management of patient with disorders of endocrine system</p> <ul style="list-style-type: none"> Review of anatomy and physiology of endocrine system Nursing Assessment –History and physical assessment Etiology, Pathophysiology, clinical manifestations diagnosis, treatment modalities & nursing managements of endocrine disorders Nursing procedures & Drugs used in treatment of disorders of endocrine systems Evidence based nursing practice and related research studies
7	VII	<p style="text-align: right;">Marks-3</p> <p>Nursing management of patient with Musculoskeletal system</p> <ul style="list-style-type: none"> Review of anatomy and physiology of musculoskeletal system. Nursing Assessment –History and physical assessment

		<ul style="list-style-type: none"> • Etiology, Patho physiology, clinical manifestations diagnosis, treatment modalities, & nursing managements of musculoskeletal disorders • Nursing procedures & drugs used in treatment of disorders of musculoskeletal system • Evidence based nursing practice and related research studies
8.	VIII	<p style="text-align: right;">Marks-3</p> <p>Nursing management of patient with neurological disorders</p> <ul style="list-style-type: none"> • Review of anatomy and physiology of the neurological system • Nursing Assessment – History, Physical and neurological assessment and Glasgow coma scale • Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of neurological disorders • Role of the nurse in communicating with patient having neurological deficit • Rehabilitation of patients with neurological deficit • Nursing procedures & Drugs used in treatment of neurological disorders
9.	IX	<p style="text-align: right;">Marks-2</p> <ul style="list-style-type: none"> • Nursing management of patient (adults including elderly) with Immunological problems • Review of immune system • Nursing Assessment –History and physical assessment • Etiology, Patho physiology, clinical manifestations diagnosis, treatment modalities & nursing managements • Nursing procedures & Drugs used in treatment of disorders of immunological system
10	X	<p style="text-align: right;">Marks-3</p> <p>Nursing management of patient with Communicable Diseases</p> <ul style="list-style-type: none"> • Overview of infectious disease, the infectious process • Nursing Assessment –History and physical assessment • Epidemiology, infectious process, clinical manifestations, diagnosis, treatment, prevention and diagnosis, Control and eradication • of common Communicable Diseases- • Special Infection Control measures: Notification, Isolation, Quarantine & Immunization

		<ul style="list-style-type: none"> • Nursing Procedures Drugs used treatment of Communicable diseases • Evidence based nursing practice and related research studies
11	XI	<p style="text-align: right;">Marks-3</p> <p>Nursing management of patient with disorders of ear, nose & throat</p> <ul style="list-style-type: none"> • Review of anatomy and physiology of the Ear, Nose and Throat • Nursing Assessment – History and Physical assessment • Etiology, Pathophysiology, Clinical manifestations, diagnosis, treatment modalities & nursing management of Ear Nose and Throat disorders: • Nursing procedures & Drugs used in treatment of disorders of Ear, Nose and throat • Communicating with hearing impaired and muteness • Evidence based nursing practice and related research studies
12	XII	<p style="text-align: right;">Marks-3</p> <p>Nursing management of patient with disorders of eye</p> <ul style="list-style-type: none"> • Review of anatomy and physiology of the eye • Nursing Assessment –History and Physical assessment • Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities & nursing management of eye disorders. • Ocular emergencies and their prevention • Blindness & National blindness control program • Eye Banking • Eye prostheses and Rehabilitation, Communication with visually impaired patient & Eye camps • Nursing procedures • Nursing procedures & Drugs used in treatment of disorders of eye • Evidence based nursing practice and related research studies
13	XIII	<p style="text-align: right;">Marks-3</p> <p>Nursing management of patients with Burns, reconstructive and cosmetic surgery</p> <ul style="list-style-type: none"> • Review of anatomy and physiology of the skin and connective tissues and various deformities • Nursing Assessment-History and physical assessment and assessment of burns and fluid • an electrolyte loss

		<ul style="list-style-type: none"> • Etiology, classification, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of Burns and Reconstructive and Cosmetic surgery; • Legal aspects • Rehabilitation • Special therapies • Psycho social aspects • Nursing procedures & Drugs used in treatment of Burns, reconstructive and cosmetic surgery
14	XIV	<p style="text-align: right;">Marks-3</p> <p>Nursing management of patients with oncological conditions</p> <ul style="list-style-type: none"> • Structure & characteristics of normal & cancer cells • Nursing Assessment-History and Physical assessment • Prevention, screening, Early detection, Warning signs of cancer • Epidemiology, Etiology, Classification, Pathophysiology, Staging, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of oncological conditions • Psychosocial aspects of cancer • Rehabilitation • Palliative care; symptom and pain management, nutritional support • Home care • Hospital care • Stomal therapy • Psycho Social aspects • • Nursing procedures and drugs used in treatment of cancer
15	XV	<p style="text-align: right;">Marks-3</p> <p>Nursing management of patient in critical care units</p> <ul style="list-style-type: none"> • Nursing Assessment – History and Physical assessment • Classification • Principles of critical care nursing • Organization; physical setup, policies, staffing norms, • Protocols, equipment; and supplies • Special equipment; ventilation, cardiac monitors, defibrillators. • Resuscitation equipment • Infection Control Protocols • Nursing management of critically ill patient; • Monitoring of critically

		ill patient <ul style="list-style-type: none"> • CPR-Advance cardiac life support • Treatments and procedures • Transitional care • Ethical and Legal Aspects • Communication with patient and family • Intensive care records • Crisis Intervention • Death and Dying – coping with • Drugs used in critical care unit
16	XVI	<div style="text-align: right;">Marks-3</div> Nursing management of patient (adults including elderly) with Integumentary system <ul style="list-style-type: none"> • Review of anatomy and physiology of Skin and Its appendages • Nursing Assessment –History and physical assessment • Etiology, Pathophysiology, clinical manifestations diagnosis, treatment modalities, and medical, surgical, dietetics & nursing managements of – disorders of skin and its appendage • Nursing procedures & drugs used in treatment of disorders of Integumentary system
17	XVII	<div style="text-align: right;">Marks-3</div> Nursing care of the elderly <ul style="list-style-type: none"> • Nursing Assessment – History and Physical assessment • Ageing; • Demography; Myths and realities • Concepts and theories of ageing • Cognitive Aspects of Ageing • Normal biological ageing • Age related body systems changes • Psychosocial Aspects of aging • Medications and elderly • Stress & coping in older adults • Common Health Problems & Nursing management • Role of family and formal and non-formal caregivers • Use of aids and prosthesis • (hearing aids, dentures), • Legal & Ethical Issues • Provisions and Programme for elderly; privileges, community programme and health services

