

# K.K.Wagh College of Nursing

## Second Year B.B.Sc (Nursing)

### Unit wise outcome of Syllabus

#### Medical Surgical nursing-I

S.No	Learning Objectives	Content	Outcome
I	*Appreciate the trends in medical & surgical nursing * Describe the role of a Nurse in caring for adult patients in hospital & Community * Describe the concept of Medical Surgical asepases	<b>INTRODUCTION</b> • Introduction to Medical Surgical Nursing Evaluation & trends of medical & surgical nursing • Review of concepts of health & illness, diseases concepts, its causes Classification of diseases, International classification of Diseases -Acute, chronic, & terminal stages of illness - Review of concept of compressive Nursing care in medical Surgical Condition based on Nursing Process. Role of nurse patients & family in care of adult patients. •Role & responsibility of nurse in medical surgical settings: -Outpatient department -In patient department -Intensive care units - Home & community settings • Introduction to medical sepsis - Inflammation and Infection - Stress adaptation – Hemorrhage - Nutritional consideration - immunity - Wound healing • Care of surgical patients. Preoperative Intra operative Postoperative • Demonstrations -surgical asepasis -Dressings -Care of wound drainage -Preoperative preparation of patients	At the end of the unit I the students will be able to know about medical surgical nursing its review concept of health & illness, Role & responsibility of nurse in medical surgical settings, Introduction to medical sepsis. • Student will be able to demonstrate unit I nursing procedures.
II	Describe the common sign and symptoms of problems and their specific nursing management	Common sign and symptoms and management -Fluid & electrolyte imbalance -Vomiting -Dyspnea and cough, respiratory difficulty and obstructions -Fever -Shock - Unconsciousness, syncope -Pain - Incontinence (bladder & bowl) & retention of urine - Constipation - Diarrhea -Edema -Age related problems-Geriatric problem.	At the end of the unit II students able to explain Common sign and symptoms and management of various illness.
III	Describe the Etiology , patho physiology clinical manifestation & diagnostic measures ( & management of patients ( adult including elderly) with disorder of reparatory	<b>Nursing management of patients (adults including elderly) with respiratory problems</b> • Review of Anatomy & Physiology of respiratory system. • Nursing Assessment – History & Physical assessment • Etiology, Pathophysiology, Clinical manifestations, diagnosis, treatment	At the end of the unit III students able to explain in detail the Nursing management of patients (adults including elderly) with respiratory problems

	<p>system common medical surgical nursing procedures</p>	<p>modalities &amp; Medical, surgical, Nutritional &amp; nursing including elderly with:</p> <ul style="list-style-type: none"> <li>• Upper Respiratory tract infections</li> <li>• Bronchitis, Bronchiolitis • Asthma</li> <li>• Emphysema • Empyema • Atelectasis</li> <li>• Chronic obstructive Pulmonary Diseases (COPD) • Bronchiectasis • Pneumonia</li> <li>• Pulmonary tuberculosis • Lung abscess</li> <li>• Pleural abscess, effusion • Cysts &amp; Tumors</li> <li>• Chest injuries • Respiratory arrest, ARDS &amp; insufficiency • Pulmonary embolism Special therapies, alternative therapies Nursing Procedures Drugs used in treatment of respiratory disorders.</li> <li>• <b>Demonstrations</b> - Respiratory assessment assisting in procedures of X ray chest, MRI, lung Biopsy, bronchoscopy - Thoracocentesis, - care of patients with chest drainage &amp; change of chest drainage- Care of patients on ventilators &amp; weaning – nebulisation</li> </ul>	<p>At the end of the unit III student able to assess and demonstrate the respiratory nursing procedures.</p>
<p>IV</p>	<p>Describe the etiology, Pathophysiology, clinical manifestation, diagnostic measures and management of patients (Adults including elderly) with disorders of Digestive system</p>	<p><b>Nursing management of patient (Adults including elderly) with disorders of Digestive system</b></p> <ul style="list-style-type: none"> <li>• Review of Anatomy &amp; Physiology of digestive system</li> <li>• Nursing Assessment –history &amp; physical assessment • Etiology, patho-physiology, clinical manifestation, diagnosis, treatment modalities and medical, surgical, Nutritional &amp; nursing management Disorders of oral cavity</li> <li>• Oral cavity- Lips, gums, tongue, salivary and teeth -esophagus- inflammation, stricture, obstruction, bleeding &amp; esophageal tumour</li> <li>• Stomach &amp; Duodenumhiatus hernia, gastritis, peptic &amp; duodenal ulcer, bleeding, tumour pyloric stenosis -Food allergy &amp; poisoning</li> <li>• Small intestinal inflammation and infection - Ulcerative colitis, enteritis, malabsorbtion syndrome, Obstruction, tumors perforation,</li> <li>• Large Intestinal disorders -Colitis inflammations &amp; infection, obstruction, Tumors, lump Hernis</li> <li>• Appendix Inflammation, mass, abscess, rupture • Anal &amp; Rectum Fistulas, fissures, Hemorrhoides and tumour •Peritonitis/ acute abdominal</li> <li>• Pancreas; inflammation, cyst, abscess, tumours Abdominal trauma • Acute Abdoma</li> </ul>	<p>At the end of the Unit IV students able to understand the Nursing management of patient (Adults including elderly) with disorders of Digestive system.</p>

		<p>to •Pancreas- Acute &amp; chronic pancreatitis, abscess &amp; tumors •Liver- Jaundice, hepatitis, cirrhosis, abscess, portal hypertension, hepatic failure and tumors •Biliary tract &amp; gall bladder -Cholecystitis, cholelithiasis, tumors</p> <p>• <b>Demonstrations</b> -Preparing assessing &amp; witnessing - Barium meal, enema, - Abdominal paracentesis, -Liver biopsy, - Endoscopies, ERCP, OGD, Colonoscopy, Proctoscopy, Sigmoidoscopy -Liver function test Gastric analysis, stomach wash - Gastrostomy feeding - Jejunostomy feeding - Bowel wash - Colostomy care • Liver inflammation cyst, abscess, cirrhosis, portal hypertension, hepatic failure, tumours, • Gall Bladder, inflammation, Obstruction, Stones, &amp; tumours Special Therapies, alternative therapies nursing procedures, drug used in the treatment of disorders &amp; diseases of digestive system</p>	<p>At the end of unit IV students able to assess and demonstrate all GI procedures.</p>
V	<p>Describe the etiology, pathophysiology, clinical manifestation, diagnostic measures and management of patients (adults including elderly) with disorders of blood and cardiovascular problems Describe the vascular conditions and its nursing management</p>	<p><b>Nursing management of patient( adults including elderly) with blood and cardiovascular problems</b></p> <p>• Review of Anatomy &amp; Physiology of blood and cardiovascular system</p> <p>• Nursing Assessment –history &amp; physical assessment. • Etiology, pathophysiology, clinical manifestation, diagnosis, treatment modalities: medical, surgical, Nutritional &amp; nursing management of:</p> <p>• <b>Heart-</b> -Coronary artery disease -Ischemic heart disease - Coronary atherosclerosis -Angina pectoris - Myocardial infarction -Congestive cardiac failure -Cor pulmonale -Pulmonary Odema - Cardiogenic shock -Cardiac tamponade - Endocarditis -Myocarditis -Pericarditis - Cardiomyopathies • Valvular heart disease- - Congenital &amp; acquired -Rheumatic heart disease -Mitral stenosis • Conduction system -Cardiac dysarrhythmias &amp; heart blocks</p> <p>• Vascular systems Hypertension, hypotension Raynaud’s disease Aneurism and Peripheral vascular disorders, Cardiogenic shock •Cardiac arrest- ACLS, BLS • Blood - Anaemias -Polycythemia - Bleeding &amp; clotting disorders -Thrombocytopenia - Hemophilia -Thalassemia -Leukemia Leucopenia Agranulocytosis -Lymphomas &amp; Myelomas</p> <p>• Blood bank functioning &amp; Biosafety</p>	<p>At the end of the unit V students able to discuss the Nursing management of patient (adults including elderly) with blood and cardiovascular problems.</p>

		<p>management related to blood transfusion - Role of nurse in organ donation, transplant, retrieval &amp; banking Drugs used in cardiovascular system. Alternative therapies</p> <ul style="list-style-type: none"> <li>• <b>Demonstration</b>-ECG-3 &amp; 12 lead, -Holter monitoring -2DEcho,Doppler</li> </ul>	<p>At the end of the Unit V students will be to assess &amp; demonstrate CVS procedures.</p>
VI	<p>Describe the etiology, Pathophysiology, clinical manifestation, diagnostic measures and management of patients (adults including elderly) with disorders of genitourinary system</p>	<p><b>Nursing management of patient (Adults including elderly) with genitio-urinary problems</b></p> <ul style="list-style-type: none"> <li>• Review of Anatomy &amp; Physiology of genitio-urinary systems</li> <li>• Nursing Assessment –history &amp; physical assessment.</li> <li>• Etiology, patho-physiology, clinical manifestation, diagnosis, treatment modalities and medical, surgical, dietetics &amp; nursing management of - Nephritis -Nephrotic syndrome -Nephrosis - Renal calculus - Tumours -Acute renal failure -Chronic renal failure -End stage renal disease -Dialysis, renal transplant -congenital disorders, urinary infections -Benign prostate hypertrophy • Kidney -Polycystic kidney • Disorders of ureter, urinary bladder urethra-inflammation infections, calculus stricture, obstructions, tumors, prostate Drug used into treatment of Genic <b>Demonstrations</b> Bladder wash / Irrigation Demonstration care of Indwelling catheterization male / female Condom catheters (external)</li> </ul>	<p>At the end of the unit VI students will be able to explain Nursing management of patient (Adults including elderly) with genitio -urinary problems</p> <p>At the end of the unit VI students will be demonstrate GU nursing procedures.</p>
VII	<p>Describe the etiology, PathoPhysiology, Clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of male reproductive system.</p>	<p><b>Nursing management of disorders of male (adults including elderly) reproductive system</b></p> <ul style="list-style-type: none"> <li>• Review of anatomy and Physiology of male reproductive system</li> <li>• Nursing assessment-history and physical assessment</li> <li>• Etiology, patho-physiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical dietetics and nursing management of disorders of male reproductive system</li> <li>• Congenital malformations; cryptorchidism • Infections • Hypospadiasis, Epispadiasis <ul style="list-style-type: none"> <li>• Infection Testis and adjacent structure</li> </ul> </li> <li>• Penis • Prostate: inflammation, infection hypertrophy, tumor • Sexual Dysfunction <ul style="list-style-type: none"> <li>• Infertility • Contraception • Breast, gynecomastia, tumor • Climacteric changes special therapies, alternative therapies.</li> </ul> </li> <li>• Nursing procedures drugs used in treatment of disorders of male reproductive system</li> </ul>	<p>At the end of the Unit VII students will be able to understand Nursing management of disorders of male (adults including elderly) reproductive system</p>
VIII	<p>Describe the etiology,</p>	<p><b>Nursing management of patient ( adults</b></p>	<p>At the end of the unit VIII</p>

	<p>Patho Physiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of endocrine system</p>	<p><b>including elderly) with disorders of endocrine system</b></p> <ul style="list-style-type: none"> <li>• Review of anatomy and physiology of endocrine system</li> <li>• Nursing assessment-history and physical assessment</li> <li>• Etiology, patho-physiology, clinical manifestation, diagnosis, treatment modalities and medical, surgical, dietetics and nursing management of</li> <li>• Disorders of pituitary</li> <li>• Disorders of thyroid and parathyroid</li> <li>• Adrenal tumour</li> <li>• Diabetes mellitus</li> <li>• Diabetes insipidus</li> <li>• special therapies, alternative therapies</li> <li>• Nursing procedures</li> <li>• drugs used in treatment of disorders of endocrine system</li> </ul>	<p>students will be able know the Nursing management of patient (adults including elderly) with disorders of endocrine system</p>
IX	<p>Describe the etiology, Patho Physiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of skin</p>	<p><b>Nursing management of patients (adults including elderly) with disorders of Integumentary system</b></p> <ul style="list-style-type: none"> <li>• Review of anatomy and physiology of skin and its appendages</li> <li>• Nursing assessment-history and physical assessment</li> <li>• Etiology, Pathophysiology, clinical manifestation, diagnosis, treatment modalities and medical, surgical, dietetics and nursing management of disorders of skin and its appendages</li> <li>• Lesions and abrasions</li> <li>• Infection and infestations: Dermatitis</li> <li>• Dermatoses; infectious and non infectious “inflammatory dermatoses</li> <li>• Acne vulgaris</li> <li>• Allergies and Eczema</li> <li>• Psoriasis</li> <li>• Malignant melanoma</li> <li>• Alopecia</li> <li>• Leucoderma</li> <li>• Care of patient with Skin surgery</li> <li>• Special therapies, alternative therapies</li> <li>• Nursing procedures, drugs used in treatment of disorders of Integumentary system</li> </ul>	<p>At the end of the Unit IX students able to discuss in detail Nursing management of patients (adults including elderly) with disorders of Integumentary system</p>
X	<p>Describe the etiology, Pathology, Physiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of musculoskeletal system</p>	<p><b>Nursing management of patients (adults including elderly) with musculoskeletal problems</b></p> <ul style="list-style-type: none"> <li>• Review of anatomy and physiology of musculoskeletal system,</li> <li>• Nursing assessment-history and physical assessment</li> <li>• Etiology, Pathophysiology, clinical manifestation, diagnosis, treatment modalities and medical, surgical, dietetics and nursing management of</li> <li>• Disorders of: Muscles, ligaments and joints inflammation, infection trauma</li> <li>• Bones-inflammation, infection, dislocation, sprain, fracture, tumour &amp; trauma</li> <li>• Osteomalacia and osteoporosis</li> <li>• Arthritis</li> <li>• Congenital deformities</li> <li>• Spinal column – defects and deformities, tumor, Prolapsed inter vertebral</li> </ul>	<p>At the end of unit X students will be able to explain in detail about Nursing management of patients (adults including elderly) with musculoskeletal problems</p>

		<p>disc. Pott's spine Paget's disease</p> <ul style="list-style-type: none"> <li>• Amputation • Prosthesis • Transplant and replacement surgeries • Rehabilitation special therapies, alternative therapies</li> <li>• Nursing procedures, drug used in treatment of disorders of musculoskeletal system</li> </ul>	
XI	<p>• Describe the etiology, patho physiology, clinical manifestations diagnostic Measures and Management of Patients (adults Including elderly) with disorders of Immunological systems</p>	<p><b>Nursing management of Patient (adults Including elderly) with Immunological problems</b> • Review of Immune system.</p> <ul style="list-style-type: none"> <li>• Nursing Assessment-History and physical assessment •Etiology, Pathophysiology, clinical manifestations, diagnosis treatment modalities and medical, surgical, dietetics and nursing management of-</li> <li>•Immunodeficiency disorder •Primary immuno deficiency</li> <li>•Phagocytic dysfunction •B-cell and T-cell deficiencies •Secondary immuno-deficiencies</li> <li>•Acquired Immuno Deficiency Syndrome (AIDS) • Incidence of HIV &amp; AIDS</li> <li>•Epidemiology •Transmission-prevention of Transmission •Standard safety precautions</li> <li>•Roll of nurse, counseling •Health education and home care consideration, •National AIDS control program NACO various National and international agencies. •Infection control program •Rehabilitation, Special therapies, alternative therapies Nursing procedures</li> <li>Drugs used in treatment of disorders of immunological systems</li> </ul>	<p>At the end of the unit XI students will be to understand in detail about Nursing management of Patient (adults Including elderly) with Immunological problems</p>
XII	<p>Describe the etiology, Patho-, Physiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with Communicable Diseases</p>	<p><b>Nursing management of patient (adults including elderly) with Communicable Diseases</b> • Overview of infectious disease, the infectious process • Nursing Assessment-History and physical assessment</p> <ul style="list-style-type: none"> <li>• Epidemiology, infectious process, clinical manifestations, diagnosis, treatment, prevention and dietetics. Control and eradication of common communicable diseases Tuberculosis Diarrhoeal diseases Hepatitis A-E Herpes Chickenpox Smallpox Typhoid Meningitis Gas gangrene Leprosy Dengue Plague Malaria Diphtheria Pertussis Poliomyelitis Measles Mumps Influenza Tetanus Yellow fever Filariasis HIV, AIDS communicable diseases • Reproductive Tract Infections</li> <li>• Special infection control measures; Notification, Isolation, Quarantine, Immunization, Infectious Disease Hospitals</li> </ul>	<p>At the end of the unit XII students will be able to manage the patient (adults including elderly) with Communicable Diseases</p>

		Special therapies, Alternative therapies •Nursing procedures •Drugs used in treatment of	
XIII	Describe the organization and physical set up of operation theatre • Identify the various instruments and equipments used for common surgical procedures •Describe the infection control measures in the operation theatre •Describe the role of the nurse in the Peri operative nursing care	<b>Peri Operative nursing:</b> • Organization and physical set up of the operation theatre (OT): Classificationθ O.T.DESIGNθ Staffingθ Members of the OT team.θ Duties and responsibility of nurseθ in OT Principles of health and operatingθ room attire. Instrumentsθ Sutures and suture materialsθ Equipmentsθ O.T. tables and sets for commonθ surgical procedure Scrubbing proceduresθ Gowning and glovingθ Preparation of O.T. setsθ Monitoring the patients duringθ surgical procedures • Maintenance of therapeutics environment in O.T. • Standard safely measures Infection control: fumigation,θ disinfection and sterilization Biomedical waste managementθ Prevention of accidents and hazardsθ in O.T. •Anaesthesia • Types Methods of administrationθ Effects and stagesθ Equipmentθ Drugsθ • Cardio pulmonary Resuscitation (CPR) • Pain management techniques Legal Aspects	At the end of the Unit XIII students will be able to perform peri operative nursing.