

SHAKUNTLA SCHOOL & COLLEGE OF NURSING ,JAUNTI
DEPARTMENT OF MEDICAL SURGICAL NURSING
ADULT HEALTH NURSING - I WITH INTEGRATED PATHOPHYSIOLOGY (including BCLS module)
B.Sc. 3rd SEMESTER
COURSE PLAN

Placement: III SEMESTER

Time Theory: 140 hours

Practical: 480 hours

Course Description:

This course is designed to equip the students to review and apply their knowledge of Anatomy, Physiology, Biochemistry and Behavioral sciences in caring for adult patients with Medical/Surgical disorders using nursing process approach and critical thinking. It also intends to develop competencies required for assessment, diagnosis, treatment, nursing management, and supportive/palliative care to patients with various Medical Surgical disorders.


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Annexure - 3(e)


Unit	Time(Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
I	6(T) 4(L/SL)	<p>Narrate the evolution of medical surgical nursing</p> <p>Apply nursing process in caring for patients with medical surgical problems</p> <p>Execute the role of a nurse in various medical surgical settings</p> <p>Develop skills in assessment and care of wound</p> <p>Develop competency in providing pre and postoperative care</p>	<ul style="list-style-type: none"> • Introduction • Evolution and trends of medical and surgical nursing • International classification of diseases • Roles and responsibility of a nurse in medical and surgical settings <ul style="list-style-type: none"> ○ Outpatient department ○ In-patient unit ○ Intensive care unit • Introduction to medical and surgical asepsis <ul style="list-style-type: none"> ○ Inflammation, infection • Wound healing – stages, influencing factors • Wound care and dressing technique • Care of surgical patient <ul style="list-style-type: none"> • pre-operative • post-operative 	<ul style="list-style-type: none"> • Lecture cum discussion • Demonstration & Practice session • Roleplay • Visit to outpatient department, inpatient and intensive care unit 	<ul style="list-style-type: none"> • Short Answer • OSCE


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			<ul style="list-style-type: none"> ○ Alternative therapies used in caring for patients with Medical Surgical Disorders. 		
II	15(T) 4(L/SL)	<p>Explain organizational setup of the operating theatre</p> <p>Differentiate the role of scrub nurse and circulating nurse</p> <p>Describe the different positions for various surgeries</p> <p>Apply principles of asepsis in handling the sterile equipment</p> <p>Demonstrate skill in scrubbing procedures</p> <p>Demonstrate skill in assessing the patient and document accurately the surgical safety checklist</p>	<ul style="list-style-type: none"> ● Intraoperative Care ● Organization and physical setup of the operation theatre ○ Classification ○ O.T Design ○ Staffing ○ Members of the OT team ○ Duties and responsibilities of the nurse in OT ● Position and draping for common surgical procedures ● Instruments, sutures and suture materials, equipment for common surgical procedures ● Disinfection and sterilization of equipment ● Preparation of sets for common surgical procedures ● Scrubbing procedures – Gowning, masking and gloving ● Monitoring the patient during the procedure 	<ul style="list-style-type: none"> ● Lecture cum Discussion ● Demonstration, Practice session, and Case Discussion ● Visit to receiving bay 	<ul style="list-style-type: none"> ● Caring for patient intraoperatively ● Submission of disinfectants used for instruments with the action and precaution


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		<p>Develop skill in assisting with selected surgeries</p> <p>Explain the types, functions, and nursing considerations for different types of anaesthesia</p>	<p>ures</p> <ul style="list-style-type: none"> • Maintenance of the therapeutic environment in OT • Assisting in major and minor operation, handling specimen • Prevention of accidents and hazards in OT • Anaesthesia – types, methods of administration, effects and stages, equipment & drugs <p>Legal aspects</p>		
III	6(T) 4(L/SL)	<p>Identify the signs and symptoms of shock and electrolyte imbalances.</p> <p>Develop skills in managing fluid and electrolyte imbalances</p> <p>Perform pain assessment and plans for the nursing management</p>	<p>Nursing care of patients with common signs and symptoms and management</p> <ul style="list-style-type: none"> • Fluid and electrolyte imbalance • Shock • Pain 	<ul style="list-style-type: none"> • Lecture, discussion, demonstration • Case discussion 	<ul style="list-style-type: none"> • Short answer • MCQ • Case report


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IV	18(T) 4(L)	<p>Demonstrates skill in respiratory assessment</p> <p>Differentiates different breath sounds and lists the indications</p> <p>Explain the etiology, pathophysiology, clinical manifestations, diagnostic tests, and medical, surgical, nutritional, and nursing management of common respiratory problems</p> <p>Describe the health behaviour to be adopted in preventing respiratory illnesses</p>	<p style="text-align: center;">Nursing Management</p> <p>of patients with respiratory problems</p> <ul style="list-style-type: none"> • Review of anatomy and physiology of respiratory system • Nursing Assessment – history taking, physical assessment and diagnostic tests • Common respiratory problems: <ul style="list-style-type: none"> ○ Upper respiratory tract infections ○ Chronic obstructive pulmonary diseases ○ Pleural effusion, Empyema ○ Bronchiectasis ○ Pneumonia ○ Lung abscess ○ Cyst and tumors ○ Chest Injuries ○ Acute respiratory distress syndrome • Pulmonary embolism • Health behaviours to prevent respiratory illness 	<ul style="list-style-type: none"> • Lecture, discussion, • Demonstration • Practice session • Case presentation • Visit to PFT Lab 	<ul style="list-style-type: none"> • Essay • Short answer • OSCE
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<p>V</p>	<p>16(T) 5(L)</p>	<p>Explain the etiology, pathophysiology, clinical manifestations, diagnostic tests, and medical, surgical, nutritional, and nursing management of gastrointestinal disorders</p> <p>Demonstrate skill in gastrointestinal assessment</p> <p>Prepare patient for upper and lower gastrointestinal investigations</p> <p>Demonstrate skill in gastric decompression, gavage, and stomach care</p> <p>Demonstrate skill in different feeding techniques</p>	<p>• Nursing Management of patients with disorders of digestive system</p> <ul style="list-style-type: none"> • Review of anatomy and physiology of GI system • Nursing assessment – History and physical assessment • GI investigations • Common GI disorders: <ul style="list-style-type: none"> ○ Oral cavity: lips, gums and teeth ○ GI: Bleeding, Infections, Inflammation, tumors, Obstruction, Perforation & Peritonitis ○ Peptic & duodenal ulcer, ○ Malabsorption, Appendicitis, • Hernias ○ Hemorrhoids, fissures, Fistulas ○ Pancreas: inflammation, cysts, and tumors ○ Liver: inflammation, cysts, abscess, cirrhosis, portal hypertension, hepatic failure, tumors 	<ul style="list-style-type: none"> • Lecture, Discussion • Demonstration, • Roleplay • Problem Based Learning • Visit to stoma clinic 	<ul style="list-style-type: none"> • Short answer • Quiz • OSCE
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			<ul style="list-style-type: none"> • Gallbladder: inflammation, Cholelithiasis, tumors • Gastric decompression, gavage and tube care, different feeding techniques • Alternative therapies, drugs used in treatment of disorders of digestive system 		
VI	20(T) 5(L)	<p>Explain the etiology, pathophysiology, clinical manifestations, diagnostic tests, and medical, surgical, nutritional, and nursing management of cardiovascular disorders</p> <p>Demonstrate skill in cardiovascular assessment</p> <p>Prepare patient for invasive and non-invasive cardiac procedures</p>	<ul style="list-style-type: none"> • Nursing Management of patients with cardiovascular problems • Review of anatomy and physiology of cardio-vascular system • Nursing Assessment: History and Physical assessment • Invasive & non-invasive cardiac procedures • Disorders of vascular system- Hypertension, arteriosclerosis, Raynaud's disease, aneurysm and peripheral vascular disorders • Coronary artery diseases: coronary atherosclerosis, Angina pectoris, myocardial infarction 	<ul style="list-style-type: none"> • Lecture, discussion • Demonstration • Practice session • Case Discussion • Health education • Drug Book/presentation 	<ul style="list-style-type: none"> • Care plan • Drug record


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		<p>Demonstrates skill in monitoring and interpreting clinical signs related to cardiac disorders</p> <p>Complete BLS/BCLS module</p>	<ul style="list-style-type: none"> • Valvular disorders: congenital and acquired • Rheumatic heart disease: pericarditis, myocarditis, endocarditis, cardiomyopathies • Cardiac dysrhythmias, heart block • Congestive heart failure, cor pulmonale, pulmonary edema, cardiogenic shock, cardiac tamponade • Cardiopulmonary arrest 	<p>Completion of BCLS Module</p>	<p>BLS/ BCLS evaluation</p>
VII	7(T) 3(L)	<p>Explain the etiology, pathophysiology, clinical manifestations, diagnostic tests, and medical, surgical, nutritional, and nursing management of hematological disorders</p> <p>Interpret blood reports. Prepare and provide health education on blood donation</p>	<ul style="list-style-type: none"> • Nursing Management of patients with disorders of blood • Review of Anatomy and Physiology of blood • Nursing assessment: history, physical assessment & Diagnostic tests • Anemia, Polycythemia • Bleeding Disorders: clotting factor defects and platelet defects, thalassemia, leukemia, leucopenia • , agranulocytosis • Lymphomas, myeloma 	<ul style="list-style-type: none"> • Field visit to blood bank • Counseling 	<ul style="list-style-type: none"> • Interpretation of blood reports • Visit report


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VIII	8(T) 2(L)	<p>Explain the etiology, pathophysiology, clinical manifestations, diagnostic tests, and medical, surgical, nutritional, and nursing management of endocrine disorders</p> <p>Demonstrates skill in assessment of endocrine organ dysfunction</p> <p>Prepare and provides health education on diabetic diet</p> <p>Demonstrate skill in insulin administration</p>	<p>Nursing management of patients 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 ● Disorders of thyroid and Parathyroid, Adrenal and Pituitary (Hyper, Hypo, tumors) ● Diabetes mellitus 	<ul style="list-style-type: none"> ● Lecture, discussion, demonstration ● Practice session ● Case Discussion ● Health education 	<ul style="list-style-type: none"> ● Prepare health education on self-administration of insulin ● Submits a diabetic diet plan
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IX	8(T) 2(L)	<p>Explain the etiology, pathophysiology, clinical manifestations, diagnostic tests, and medical, surgical, nutritional, and nursing management of disorders of integumentary system</p> <p>Demonstrate skill in integumentary assessment</p> <p>Demonstrate skill in medicated bath</p> <p>Prepare and provide health education on skin care</p>	<ul style="list-style-type: none"> • Nursing management of patients with disorders of Integumentary system • Review of anatomy and physiology of skin • Nursing Assessment: History and Physical assessment • Infection and infestations; Dermatitis • Dermatoses; infectious and Noninfectious • Acne, Allergies, Eczema & Pemphigus • Psoriasis, Malignant melanoma, Alopecia • Special therapies, alternative therapies • Drugs used in treatment of disorders of integumentary system 	<ul style="list-style-type: none"> • Lecture, discussion • Demonstration • Practice session • Case Discussion 	<ul style="list-style-type: none"> • Drug report • Preparation of Home care plan
X	16(T)	Explain	<ul style="list-style-type: none"> • Nursing management of patients with 	<ul style="list-style-type: none"> • Lecture/ 	<ul style="list-style-type: none"> • Nursing care plan


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	4(L)	<p>the etiology, pathophysiology, clinical manifestations, diagnostic tests, and medical, surgical, nutritional, and nursing management of musculoskeletal disorders.</p> <ul style="list-style-type: none"> ● Demonstrate skill in musculoskeletal assessment ● Prepare patient for radiological and non-radiological investigations of musculoskeletal system ● Demonstrate skill in crutch walking and splinting ● Demonstrate skill in care of patient with replacement surgeries ● Prepare and provide health education 	<p>musculoskeletal problems</p> <ul style="list-style-type: none"> ● Review of Anatomy and physiology of the musculoskeletal system ● Nursing Assessment: History and physical assessment, diagnostic tests ● Musculoskeletal trauma: Dislocation, fracture, sprain, strain, contusion, amputation ● Musculoskeletal infections and tumors: Osteomyelitis, benign and malignant tumour <p>Orthopedic modalities: Cast, splint, traction, crutch walking</p> <ul style="list-style-type: none"> ● Musculoskeletal inflammation: Bursitis, synovitis, arthritis ● Special therapies, alternative therapies ● Metabolic bone disorder: Osteoporosis, osteomalacia and Paget's disease ● Spinal column defects and deformities – tumor, prolapsed intervertebral disc, Pott's spine 	<ul style="list-style-type: none"> ● Discussion ● Demonstration ● Case Discussion ● Health education 	<ul style="list-style-type: none"> ● Prepare health teaching on care of patient with cast
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		<ul style="list-style-type: none"> ● bonehealing 	<ul style="list-style-type: none"> ● Rehabilitation,prosthesis ● Replacementsurgeries 		
XI	20(T) 3(L)	<p>Explaintheetiology,pathophysiology,clinicalmanifestations,diagnostic tests,andmedical,surgical,nutritional,andnursingmanagementofpatientswithcommunicablediseases</p> <p>Demonstrateskillinbarriertechniques</p> <p>Demonstrateskillinexecutionofdifferentsolationprotocols</p>	<ul style="list-style-type: none"> ● Nursing management ofpatientswith Communicablediseases ● Overviewofinfectiousdiseases,theinfectiousprocess ● Nursing Assessment: HistoryandPhysical assessment,Diagnostictests ● Tuberculosis ● Diarrhoeal diseases, hepatitis A-E,Typhoid ● Herpes,chickenpox,Smallpox,Measles,Mumps,Influenza ● Meningitis ● Gasgangrene ● Leprosy ● Dengue, Plague, Malaria,Chikungunya, swine flu,Filariasis ● Diphtheria,Pertussis,Tetanus,Poliomyelitis ● COVID-19 	<ul style="list-style-type: none"> ● Lecture,discussion,demonstration ● Practicesession ● Case Discussion/seminar ● Healtheducation ● Drug Book/presentation ● Refer TBControl&Managementmodule 	<ul style="list-style-type: none"> ● Prepares andsubmitsprotocolonvariousisolationtechniques


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			<ul style="list-style-type: none">• Special infection control measures: Notification, Isolation, Quarantine, Immunization		
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